

2002 Annual Report

Providing Over 75 Years of Technology-Driven Solutions



## OUR BUSINESS

NATCO Group Inc. is a leading provider of equipment, systems and services used in the production of crude oil and natural gas, primarily at or near the wellhead, to separate oil, gas and water within a production stream and to remove contaminants. Our products and services are used in onshore and offshore fields in most major oil and gas producing regions in the world. Separation and decontamination of a production stream is needed at almost every producing well in order to meet the specifications of transporters and end users.

We design and manufacture a diverse line of production equipment including:

- heaters, which prevent hydrates from forming in gas streams and reduce the viscosity of oil;
- dehydration and desalting units, which remove water and salt from oil and gas;
- separators, which separate wellhead production streams into oil, gas and water;
- gas conditioning units and membrane separation systems, which remove carbon dioxide and other contaminants from gas streams;
- control systems, which monitor and control production equipment; and
- water processing systems, which include systems for water re-injection, oily water treatment and other treatment applications.

We offer our products and services as either integrated systems or individual components primarily through three business lines:

- traditional production equipment and services, which provides standardized components, replacement parts and used components and equipment servicing;
- engineered systems, which provides customized, large scale integrated oil, gas and water production and processing systems; and
- automation and control systems, which provides and services control panels and systems that monitor and control oil and gas production, as well as repair, testing and inspection services for existing systems.

We have designed, manufactured and marketed production equipment and systems for more than 75 years. We operate eight primary manufacturing facilities located in the U.S. and Canada and 36 sales and service facilities, 34 of which are located in the U.S. and Canada, and two of which are located outside of North America. We believe that, among our competitors, we have the largest installed base of production equipment in the industry. We have achieved our position in the industry by maintaining technological leadership, capitalizing on our strong brand name recognition and offering a broad range of products and services.



During 2002, we continued to make investments in new technologies to treat produced oil, gas and water. Specifically, our major initiatives focused on four key technologies:

### Seawater Technology

The treating of seawater on offshore production structures prior to reinjection into a reservoir

### Cynara CO<sub>2</sub> Membrane Separation Solutions

Our proprietary equipment for the removal of bulk CO<sub>2</sub> from produced hydrocarbons

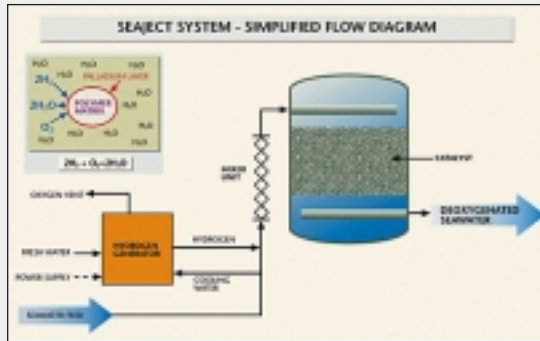
### Compact Separator Solutions

Equipment which reduces the size of processing trains while achieving higher throughputs of oil and gas

### Dual Frequency Compact Coalescer Technology

An improvement in throughput efficiency and operating cost over traditional oil dehydration systems

## Seawater Technology



Unlike typical de-oxygenation systems, NATCO's Seaject is very lightweight, compact and modular. Seaject removes dissolved oxygen by injecting and dissolving hydrogen into the water, which is then passed over a catalyst bed. Seaject offers significant advantages over conventional units, particularly its weight savings of 75%–90%, height reduction of up to 18 meters, and flexibility in component configuration. Smaller and lighter equipment allows our customers to reduce the cost of their offshore structures.

NATCO's investments in technology focus on a single practical goal: improving the efficiency of oil, gas and water treatment systems in order to maximize our customers' recoverable oil and gas reserves.

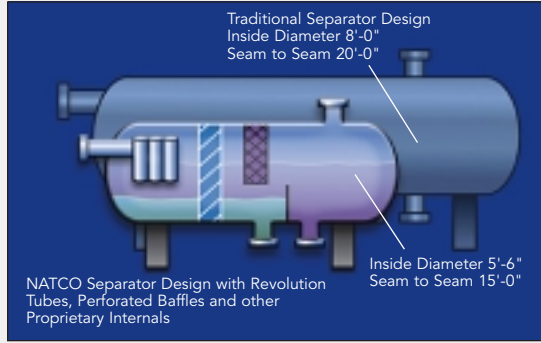


## Cynara CO<sub>2</sub> Membrane Separation Solutions

Customers use our hollow fiber membrane systems to efficiently remove CO<sub>2</sub> from natural gas in order to meet pipeline specifications or to recover CO<sub>2</sub> for reinjection as in enhanced oil recovery projects (EOR). In either situation, CO<sub>2</sub> membranes offer significant cost savings over traditional CO<sub>2</sub> removal technologies when the CO<sub>2</sub> is a significant component of the produced gas. Like many of our products, we design our systems to be delivered as skid mounted packages, which allows for reduced installation cost, small footprint, and light weight. For this reason, our membrane systems are also ideal for remote locations and offshore platforms. In onshore EOR facilities, our systems are unique in their ability to separate hydrocarbons from streams with very high CO<sub>2</sub> content. Our process provides customers with good purity CO<sub>2</sub> for reinjection, usable natural gas, and hydrocarbon liquids that are formed in the membrane separation process.



## Compact Separator Solutions



*Comparison of Separator Designs for Identical Throughput Retention Time and Product Quality*

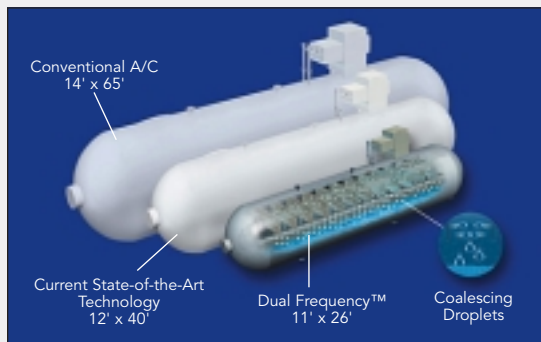
In addition to traditional separator solutions, NATCO offers customers new separation technologies like our Whirllyscrub Recycling Separators and Revolution Inlet Devices. Our new separation technologies use proprietary devices inside separator vessels to achieve more efficient separation. This translates into smaller and lighter process equipment, and/or the ability to retrofit existing facilities to increase processing throughput. Customers benefit from the use of Porta-Test Revolution tubes, perforated baffles and other proprietary internals that allow separation systems to be designed for specific needs, reduce size and weight, improve separation efficiency, and eliminate process problems like foaming.

Over time, the characteristics of oil and gas production change. Higher contents of water and salt are a few of the obstacles our customers face as they exploit older reserves. NATCO technologies allow operators to refit their systems and maintain their production.



## Dual Frequency Compact Coalescer Technology

NATCO's Dual Frequency™ Compact Coalescer Technology represents a significant improvement to conventional electrostatic treating processes. Electrostatic coalescers and treaters are used to separate oil from water where traditional gravity separation systems are not sufficient. This new technology offers many benefits over traditional electrostatic systems, such as reduced deck space for an equivalent oil quality outlet, greater throughput than a conventional electrostatic treater of the same size, reduced consumption of expensive emulsion breaking chemicals, lower operating temperature, and lower overall operating costs.



## LETTER TO SHAREHOLDERS

2002 was a difficult year for NATCO Group. Revenue was essentially flat, with declines in our North American Operations and U.S. Engineered Systems businesses being offset by the inclusion of a full year of results from Axsia, which was acquired in 2001. However, profit and year-end backlog were both down. Along with most other oil service companies, we entered 2002 expecting a difficult year with a positive turn of events by year-end, which never materialized. Nevertheless, we believe the underlying industry fundamentals are compelling, and we remain very optimistic about the Company's prospects in 2003.

Since our first days as a public company, we, and our shareholders, have shared enthusiasm and a strong sense of confidence in reaching the next level of success as a company. We've made progress, but project delays and market uncertainty have limited our ability to achieve this higher level. While our North American Operations segment exhibited resilience through difficult market conditions, as evidenced by a modest year-over-year increase in EBITDA<sup>(1)</sup> contribution, our Engineered Systems segment is still in transition toward the next level. Automation and Controls Systems, our third operating segment, continues to hold a steady course and is positioned to grow with the return to better market conditions in the future.

Our North American Operations made good progress in shifting from business dominated by the cyclical supply of traditional equipment and services, toward a more diverse mix of activities which carry attractive margins and are somewhat less sensitive to short-term swings in North American oilfield activity. This shift allowed us to increase profitability under the depressed oilfield services market of 2002. Even as the average rig count in North America was down 27% and 13% from 2001 and 2000, respectively, EBITDA contributed by North American Operations increased 5% and 63%, respectively. That kind of successful performance in relation to traditional oilfield activity, as measured by rig counts, is due, in part, to growth in sales of new products and services introduced into our U.S. branch system, but also to other initiatives, among them: growth in sales of equipment and services to Petroleos Mexicanos ("Pemex"); and expansion of our Sacroc process facility and field operations.

### OUR SACROC EXPANSION AND SUCCESS IN THE GROWTH OF SALES TO PEMEX DURING A DEPRESSED NORTH AMERICAN OILFIELD MARKET BODES WELL FOR 2003 AND BEYOND, WHEN WE SHOULD ALSO BENEFIT FROM AN EXPECTED CYCLICAL TURNAROUND IN SUPPLY OF MORE TRADITIONAL EQUIPMENT AND SERVICES.

Pemex, one of the world's largest oil producers, operates mature oilfields with production equipment that has been in place for many years. Today, in order for Pemex to maintain production levels and avoid environmental problems, existing equipment has to be upgraded and debottlenecked. NATCO technology and know-how are well suited to help in that effort, and under an agreement with Pemex, we supply a variety of proprietary equipment in support of ongoing upgrade programs. In late 2001, we established an office in Villa Hermosa, Mexico, and sales of equipment to Pemex increased dramatically in 2002. We expect to expand this business further in 2003.

Another part of our transition to a more diverse and higher margin mix of activities in North American Operations is the expansion of our Sacroc process facility in Snyder, Texas. For over 20 years, we have owned and operated this facility in support of enhanced oil recovery projects in and around the Sacroc field. The facility processes gas under a long-term contract to Kinder Morgan CO<sub>2</sub> Company, using our Cynara CO<sub>2</sub> separation membranes to recover valuable hydrocarbons and purify CO<sub>2</sub> for recirculation into the oil flood operation. Two years ago, we agreed on a first expansion of the facility, which we completed in 2002. Last year, we agreed to expand the facility again to double its capacity to 367 mmcf of gas per day. The latest expansion should be on-line by the fall of this year, building toward full utilization in 2005 and beyond. We anticipate further opportunities to expand Sacroc as Kinder Morgan continues to invest in enhanced oil recovery.

Our Sacroc expansion and success in the growth of sales to Pemex during a depressed North American oilfield market bodes well for 2003 and beyond, when we should also benefit from an expected cyclical turnaround in supply of more traditional equipment and services.

(1) EBITDA consists of net income (loss) before interest expense, other expense, interest cost on postretirement benefit liability, income tax provision, and depreciation and amortization expense, less interest income. EBITDA is not a measurement presented in accordance with generally accepted accounting principles. EBITDA should not be considered in isolation from or as a substitute for net income or cash flow measures prepared in accordance with generally accepted accounting principles or as a measure of profitability or liquidity. EBITDA is included as a supplemental disclosure because it may provide useful information regarding our ability to service debt and to fund capital expenditures.

As compared to North American Operations, progress in our Engineered Systems segment was limited in 2002. Engineered Systems is in the process of replacing a generation of projects, which had largely run their course by the beginning of 2002, with a new generation of significant opportunities that have been on the horizon for several years. We expected to be through that transition period by 2002, but continuing hesitation and uncertainty in the market have delayed important international projects for several years. However delayed, we believe the opportunities on the horizon are still very much intact.

One important area of opportunity, for example, is seawater injection systems, where we have a strong market position by virtue of our acquisition of Axsia. With increasing frequency, plans for oil development in areas such as offshore West Africa now involve large seawater injection systems, many including sulphate removal membranes. In 2002, we were awarded the second in a series of contracts to supply seawater injection systems to the Kizomba projects off the coast of Angola. Other similar projects, which have progressed more slowly than anticipated, are finally gaining traction, and we see several large seawater injection projects moving forward in 2003. Another important area of opportunity is in offshore gas development for Southeast Asia, where membrane systems are required for CO<sub>2</sub> removal. With long-term gas requirements now increasing in countries such as Malaysia and Thailand, projects in this area are beginning to move forward after a hiatus of over five years following the start of the "Asian Flu" in late 1997. We see the potential for several offshore CO<sub>2</sub> removal awards to be made in 2003.

**SUPPLY OF LARGE SEAWATER INJECTION AND OFFSHORE CO<sub>2</sub> MEMBRANE SYSTEMS ARE PRIME EXAMPLES OF OPPORTUNITIES THAT COULD CARRY ENGINEERED SYSTEMS BEYOND THIS TRANSITION PERIOD AND SIGNIFICANTLY ELEVATE OUR LEVEL OF FUTURE REVENUE.**

Supply of large seawater injection and offshore CO<sub>2</sub> membrane systems are prime examples of opportunities that could carry Engineered Systems beyond this transition period and significantly elevate our level of future revenue.

As the Company works through this market downturn, we have been especially attentive to expense control. Our operating expenses came under significant pressure in 2002 in the area of employee medical costs, which increased over 2001 by 35% in the U.S. alone. Reluctantly, we increased employee contribution levels in order to mitigate these cost increases to the extent possible, but the impact is significant nevertheless. We also suffered in 2002 from cost growth as a result of underutilization of engineering, manufacturing and field resources due to the difficult market conditions. Notwithstanding this upward cost pressure, however, our expenses were essentially flat year over year, accounting for a full year of ownership of Axsia. Excluding growth in field service activity at year-end largely related to control system repair work in the wake of two late summer hurricanes in the Gulf of Mexico, headcount in the Company was reduced during 2002 by 6%. Further, at the end of 2002, in the face of continuing difficult market conditions in Canada, we consolidated our manufacturing location in Edmonton into our Calgary facility and were able to reduce headcount further. This should result in substantial annual cost savings going forward. We will remain diligent in controlling our expenses.

We have always taken great care to ensure that our public disclosures are clear and complete, and provide an accurate and timely description of our business to our investors. During 2002, the enactment of the Sarbanes-Oxley Act heightened all public companies' focus on corporate governance and accountability to stockholders. The new legislation and related regulations require additional procedures and documentation that are expected to increase our costs for accounting and auditing in 2003.

Our focus on safety across the Company has served us well in 2002 as it has in the past. We are pleased to report that, for the sixth straight year, we improved our total recordable incident rate. Safety is an uncompromising priority within NATCO Group.

Finally, we would particularly like to thank NATCO Group employees for their hard work and dedication in 2002. The future of NATCO Group depends on the commitment and dedication of many people, and we count on it every day. On behalf of our employees, we would also like to thank shareholders for their continuing support. While the year's results were disappointing, we look forward to a successful 2003 and profitable growth into the future.



Nat Gregory  
*Chairman and Chief Executive Officer*



Patrick McCarthy  
*President*

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**SECURITIES AND EXCHANGE COMMISSION**  
Washington, D.C. 20549  
**Form 10-K**

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d)  
OF THE SECURITIES EXCHANGE ACT OF 1934

For the fiscal year ended December 31, 2002

Commission file number: 1-15603

**NATCO Group Inc.**

(Exact name of registrant as specified in its charter)

**Delaware**  
(State or other Jurisdiction of  
Incorporation or Organization)

**22-2906892**  
(I.R.S. Employer Identification No.)

**2950 N. Loop West, 7th Floor, Houston, Texas 77092**

(Address of principal executive offices) (zip code)

Registrant's telephone number, including area code: (713) 683-9292

**Securities registered pursuant to Section 12(b) of the Act:**

<u>Title of each class</u>	<u>Name of each exchange on which registered</u>
Common Stock, \$0.01 par value per share	New York Stock Exchange

**Securities registered pursuant to Section 12(g) of the Act: None**

Indicate by check mark whether the registrant: (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days.

Yes  No

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K is not contained herein, and will not be contained, to the best of registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K.

Indicate by check mark whether the registrant is an accelerated filer (as defined in Exchange Act Rule 12b-2). Yes  No

State the aggregate market value of the voting and non-voting common equity held by non-affiliates computed by reference to the price at which the common equity was last sold, or the average bid and asked price of such common equity as of the last business day of the registrant's most recently completed second fiscal quarter.

As of June 30, 2002

\$80,911,175

Indicate the number of shares outstanding of each of the issuer's classes of common stock, as of the latest practicable date.

As of March 10, 2003

Common Stock, \$0.01 par value per share

15,803,797 shares

**Documents Incorporated by Reference**

Portions of the NATCO Group Inc. Notice of Annual Meeting of Stockholders and Proxy Statement relating to the 2003 Annual Meeting of Shareholders, which the Registrant intends to file within 120 days of December 31, 2002, are incorporated by reference in Part III of this form.

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**NATCO Group Inc.**  
**FORM 10-K for the Year Ended December 31, 2002**

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## PART I

### Item 1. *Business*

NATCO Group Inc. is a leading provider of equipment, systems and services used in the production of crude oil and natural gas, primarily at or near the wellhead, to separate oil, gas and water within a production stream and to remove contaminants. Our products and services are used in onshore and offshore fields in most major oil and gas producing regions in the world. Separation and decontamination of a production stream is needed at almost every producing well in order to meet the specifications of transporters and end users.

We design and manufacture a diverse line of production equipment including:

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We offer our products and services as either integrated systems or individual components primarily through three business lines:

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- engineered systems, which provides customized, large scale integrated oil, gas and water production and processing systems; and
- automation and control systems, which provides and services control panels and systems that monitor and control oil and gas production, as well as repair, testing and inspection services for existing systems.

We have designed, manufactured and marketed production equipment and systems for more than 75 years. We operate eight primary manufacturing facilities located in the U.S. and Canada and 36 sales and service facilities, 34 of which are located in the U.S. and Canada, and two of which are located outside of North America. We believe that, among our competitors, we have the largest installed base of production equipment in the industry. We have achieved our position in the industry by maintaining technological leadership, capitalizing on our strong brand name recognition and offering a broad range of products and services.

General information about us can be found at [www.natcogroup.com](http://www.natcogroup.com). Our Annual Report on Form 10-K, Quarterly Reports on Form 10-Q and Current Reports on Form 8-K, as well as any amendments and exhibits to those reports, are available free of charge through our website as soon as reasonably practicable after we file them with, or furnish them to, the SEC.

### **Industry**

Demand for oil and gas production equipment and services is driven primarily by the following:

- levels of production of oil and gas in response to worldwide demand;
- the changing production profiles of existing fields (meaning the mix of oil, gas and water in the production stream and the level of contaminants);
- the discovery of new oil and gas fields;

- the quality of new hydrocarbon production; and
- investment in exploration and production efforts by oil and gas producers.

We believe that the oil and gas production equipment and services market continues to have significant growth potential due to the following:

- *Increasing demand for oil and natural gas.* According to the U.S. Department of Energy, petroleum and natural gas consumption are expected to increase at average rates of 1.7% and 1.8%, respectively, per year in the United States through 2025, with higher consumption rates expected worldwide.
- *Long-term demand for oil and gas products should lead to increases in drilling activity.* The number of drilling rigs operating in North America and internationally has fluctuated in recent years, depending on market conditions. The average North American rig count for 2002 was 1,093 versus 1,497 for 2001 and 1,263 for 2000, as published by Baker Hughes Incorporated. The international rig count as of December 31, 2002, 2001 and 2000 was 753, 752 and 705, respectively, as published by Baker Hughes Incorporated. Although North American rig counts declined during 2002, we believe that rig counts will increase over the long-term as demand for oil and gas products and services continues to increase.
- *Changing profile of existing production.* The production profile of existing fields changes over time, either naturally or due to implementation of enhanced recovery techniques. Consequently, the mix of oil, gas, water and contaminants changes, and the production stream requires additional processing equipment.
- *Increasing focus on large-scale projects.* Due to the increased demand for oil and gas, oil companies are pursuing larger and more complex development projects that often require specialized production equipment. These projects may be in remote, deepwater or harsh environments and may involve complex production profiles and operations.

## **Competitive Strengths**

We believe that the following are our key competitive strengths:

- *Market leadership and industry reputation.* We have designed, manufactured and marketed production equipment and systems for more than 75 years. We believe that, among our competitors, we have the largest installed base of production equipment in the industry. We will continue to enhance our products and services in order to meet the demands of our customers.
- *Technological leadership.* We believe that we have established a position of global technological leadership by pioneering the development of innovative separation technologies. We continue to be a technological leader in areas such as carbon dioxide separation using membrane technology, oil-water emulsion treatment using dual-polarity electrostatic technology, seawater injection systems and complex produced oily water treatment systems. We hold 35 active U.S. and equivalent foreign patents and continue to invest in research and development. Applications have been filed for nine additional patents in the U.S.
- *Extensive line of products and services.* We provide a broad range of high quality production equipment and services, ranging from standard processing and control equipment, to highly specialized engineered systems and fully integrated solutions to our customers around the world. By providing the broadest range of products and services in the industry, we offer our customers the time and cost savings resulting from the use of a single supplier for process engineering, design, manufacturing and installation of production and related control systems.
- *Experienced and focused management team.* Our senior management team has extensive experience in our industry with an average of over 20 years of experience. We believe that our management team has successfully demonstrated its ability to grow our business and integrate acquisitions.

Additionally, our management team has a substantial financial interest in our continued success through equity ownership or incentives.

## **Business Strategy**

Our objective is to maximize cash flow by maintaining and enhancing our position as a leading provider of equipment, systems and services used in the production of crude oil and natural gas. We intend to achieve this goal by pursuing the following business strategies:

- *Focusing on Customer Relationships.* We believe that our customers increasingly prefer to work on a regular basis with a small number of leading suppliers. We believe our size, scope of products, technological expertise and service orientation provide us with a competitive advantage in establishing preferred supplier relationships with customers. We intend to generate growth in revenue and market share by establishing new and further developing existing customer relationships.
- *Providing Integrated Systems and Solutions.* We believe our integrated design and manufacturing capabilities enable us to reduce our customers' production equipment and systems costs and shorten delivery times. Our strategy is to be involved in projects early, to provide the broadest and most complete scope of equipment and services in our industry and to focus on larger integrated systems.
- *Introducing New Technologies and Products.* Since our inception, we have developed and acquired leading technologies that enable us to address the global market demand for increasingly sophisticated production equipment and systems. We will continue to pursue new technologies through internal development, acquisitions and licenses.
- *Pursuing Complementary Acquisitions.* Our industry is highly fragmented and contains many smaller competitors with narrow product lines and geographic scope. We intend to continue to acquire companies that provide complementary technologies, enhance our ability to offer integrated systems or expand our geographic reach.
- *Expanding International Presence.* We have operated in various international markets for more than 50 years. We intend to continue to expand internationally in targeted geographic regions, such as Southeast Asia, South America and West Africa.

## **Risks Relating to Our Business**

**A substantial or extended decline in oil or gas prices could result in lower expenditures by the oil and gas industry, thereby negatively affecting our revenue.**

Our business is substantially dependent on the condition of the oil and gas industry and its willingness to spend capital on the exploration for and development of oil and gas reserves. A substantial or extended decline in these expenditures may result in the discovery of fewer new reserves of oil and gas, adversely affecting the market for our production equipment and services. The level of these expenditures is generally dependent on the industry's view of future oil and gas prices, which have been characterized by significant volatility in recent years. Oil and gas prices are affected by numerous factors, including:

- the level of exploration activity;
- worldwide economic activity;
- interest rates and the cost of capital;
- environmental regulation;
- tax policies;
- political requirements of national governments;
- coordination by the Organization of Petroleum Exporting Countries ("OPEC");
- political environment, including the threat of war and terrorism;

- the cost of producing oil and gas;
- technological advances;
- relatively minor changes in the supply of and demand for oil and natural gas; and
- weather conditions.

**We may lose money on fixed-price contracts.**

Some of our projects, including larger engineered systems projects, are performed on a fixed-price basis. We are responsible for all cost overruns, other than any resulting from change orders. Our costs and any gross profit realized on our fixed-price contracts will often vary from the estimated amounts on which these contracts were originally based. This may occur for various reasons, including:

- errors in estimates or bidding;
- changes in availability and cost of labor and material; and
- variations in productivity from our original estimates.

These variations and the risks inherent in engineered systems projects may result in reduced profitability or losses on our projects. Depending on the size of a project, variations from estimated contract performance can have a significant negative impact on our operating results or our financial condition.

**We have relied and we expect to continue to rely on a limited number of customers for a significant portion of our revenues.**

There have been and are expected to be periods where a substantial portion of our revenues is derived from a single customer or a small group of customers. We had revenues of \$28.8 million, or 10% of total revenues, provided by ExxonMobil Corporation and affiliates, \$17.2 million, or 6% of revenues, provided by BP and affiliates excluding the Carigali-Triton Operating Company SDN BHD (“CTOC”), and \$16.5 million, or 5%, provided by ChevronTexaco Corp. and affiliates, for the year ended December 31, 2002. We had revenues of \$15.7 million, or 5% of our total revenues, provided by Anadarko and affiliates, \$15.5 million, or 5% of total revenues, provided by ChevronTexaco Corp. and affiliates, and \$13.4 million, or 5% of total revenues provided by BP and affiliates excluding CTOC, for the year ended December 31, 2001. The CTOC project provided \$10.9 million, or 4% of total revenues, for fiscal 2001. The CTOC project was a \$73.0 million contract awarded in 1999 to supply gas treating and conditioning equipment for a project in Southeast Asia, and was substantially complete as of December 31, 2001. The CTOC project provided approximately 20% of our revenues in 2000.

We have a number of ongoing relationships with major oil companies, national oil companies and large independent producers. The loss of one or more of these ongoing relationships could have an adverse effect on our business and results of operations.

**The dollar amount of our backlog, as stated at any given time, is not necessarily indicative of our future cash flow.**

Backlog consists of firm customer orders that have satisfactory credit or financing arrangements in place, for which authorization to begin work or purchase materials has been given and for which a delivery date has been established. As of December 31, 2002, we had backlog of \$90.1 million, of which approximately 32% related to ExxonMobil Corporation and affiliates, 13% related to ChevronTexaco Corp. and affiliates and 6% related to Snamprogetti.

We cannot guarantee that the revenues projected in our backlog will be realized, or if realized, will result in profits. To the extent that we experience significant terminations, suspensions or adjustments in the scope of our projects as reflected in our backlog contracts, we could be materially adversely affected.

Occasionally, a customer will cancel or delay a project for reasons beyond our control. In the event of a project cancellation, we are generally reimbursed for our costs but typically have no contractual right to the total revenues expected from such project as reflected in our backlog. In addition, projects may remain in our backlog for extended periods of time. If we were to experience significant cancellations or delays of projects in our backlog, our results of operations and financial condition could be materially adversely affected.

**Our ability to attract and retain skilled labor is crucial to the profitability of our fabrication and services activities.**

Our ability to succeed depends in part on our ability to attract and retain skilled manufacturing workers, equipment operators, engineers and other technical personnel. Our ability to expand our operations depends primarily on our ability to increase our labor force. Demand for these workers can fluctuate in line with overall activity levels within our industry. A significant increase in the wages paid by competing employers could result in a reduction in our skilled labor force, increases in the rates of wages we must pay or both. If this were to occur, the immediate effect would be a reduction in our profits and the extended effect would be diminishment of our production capacity and profitability and impairment of our growth potential.

**Postretirement health care benefits that we provide to certain former employees expose us to potential increases in future cash outlays that cannot be recouped through increased premiums.**

We are obligated to provide postretirement health care benefits to a group of former employees who retired before June 21, 1989. For the year ended December 31, 2002, our cash costs related to these benefits were \$1.8 million, net of reimbursement of \$79,000 from the predecessor plan sponsor. At that date, there were 539 retirees and surviving eligible dependents covered by the specified postretirement benefit obligations. As of December 31, 2002, our accumulated pre-tax postretirement benefit obligation was calculated to be approximately \$12.7 million as determined by actuarial calculations. We cannot assure you that the costs of the actual benefits will not exceed those projected or that future actuarial assessments of the extent of those costs will not exceed the current assessment. Inflationary trends in medical costs may outpace our ability to recoup these increases through higher premium charges, benefit design changes or both. As a result, our actual cash costs of providing this benefit may increase in the future and have a negative impact on our future cash flow.

**Our international operations may experience interruptions due to political and economic risks.**

We operate our business and market our products and services throughout the world. We are, therefore, subject to the risks customarily attendant to international operations and investments in foreign countries. Moreover, oil and gas producing regions in which we operate include many countries in the Middle East and other less developed parts of the world, where risks have increased significantly in the recent past. We cannot accurately predict whether these risks will increase or abate as a result of current military action in Iraq. These risks include:

- nationalization;
- expropriation;
- war, terrorism and civil disturbances;
- restrictive actions by local governments;
- limitations on repatriation of earnings;
- changes in foreign tax laws; and
- changes in currency exchange rates.

The occurrence of any of these risks could have an adverse effect on regional demand for our products and services or our ability to provide them. Further, we may experience restrictions in travel to visit customers or start-up projects, and we incur added costs by implementing security precautions. An interruption of our

international operations could have a material adverse effect on our results of operations and financial condition.

The occurrence of some of these risks, such as changes in foreign tax laws and changes in currency exchange rates, may have extended consequences.

Axsia has made sales (as part of its ongoing business prior to the acquisition) and has informed us that it expects to continue making sales of equipment and services to customers in certain countries which are subject to U.S. government trade sanctions (“Embargoed Countries”), including sales to the Iraqi national oil companies permitted under the United Nations Food-for-Oil Program. Current outstanding receivables related to the Food-for-Oil Program, which amounted to \$711,000 at December 31, 2002, are supported by letters of credit issued on Western banks and sanctioned by the United Nations. Axsia’s sales to customers in Embargoed Countries were approximately 3½% of our consolidated revenue in 2002 and approximately 2½% of consolidated revenue in 2001.

**Future acquisitions, if any, may be difficult to integrate, disrupt our business and adversely affect our operating results.**

We intend to continue our practice of acquiring other companies, assets and product lines that complement or expand our existing businesses. We cannot assure you that we will be able to successfully identify suitable acquisition opportunities or to finance and complete any particular acquisition. Furthermore, acquisitions involve a number of risks and challenges, including:

- the diversion of our management’s attention to the assimilation of the operations and personnel of the acquired business;
- possible adverse effects on our operating results during the integration process;
- potential loss of key employees and customers of the acquired companies;
- potential lack of experience operating in a geographic market of the acquired business;
- an increase in our expenses and working capital requirements; and
- the possible inability to achieve the intended objectives of the combination.

Any of these factors could adversely affect our ability to achieve anticipated levels of cash flow from an acquired business or realize other anticipated benefits of an acquisition.

**Our insurance policies may not cover all product liability claims against us or may be insufficient in amount to cover such claims.**

Some of our products are used in potentially hazardous production applications that can cause:

- personal injury;
- loss of life;
- damage to property, equipment or the environment; and
- suspension of operations.

We maintain insurance coverage against these risks in accordance with standard industry practice. This insurance may not protect us against liability for some kinds of events, including events involving pollution or losses resulting from business interruption or acts of terrorism. We cannot assure you that our insurance will be adequate in risk coverage or policy limits to cover all losses or liabilities that we may incur. Moreover, we cannot assure you that we will be able in the future to maintain insurance at levels of risk coverage or policy limits that we deem adequate. Any future damages caused by our products or services that are not covered by insurance or are in excess of policy limits could have a material adverse effect on our business, results of operations and financial condition.

**Liability to customers under warranties may materially and adversely affect our cash flow.**

We typically warrant the workmanship and materials used in the equipment we manufacture. At the request of our customers, we occasionally warrant the operational performance of the equipment we manufacture. Failure of this equipment to operate properly or to meet specifications may increase our costs by requiring additional engineering resources, replacement of parts and equipment or service or monetary reimbursement to a customer. Our warranties are often backed by letters of credit. At December 31, 2002, we had provided to our customers approximately \$6.0 million in letters of credit related to warranties. We have received warranty claims in the past, and we expect to continue to receive them in the future. To the extent that we should incur warranty claims in any period substantially in excess of our warranty reserve, our results of operations and financial condition could be materially and adversely affected.

**Our ability to secure and retain necessary financing may be limited.**

Our ability to execute our growth strategies may be limited by our ability to secure and retain reasonably priced financing. From time to time we have utilized significant amounts of letters of credit to secure our performance on large projects as well as provide warranties to our customers. Outstanding letters of credit can consume a significant portion of our available liquidity under our revolving credit facilities. Some of our competitors are larger companies with better access to capital, which could give them a competitive advantage over us should our access to capital be limited. Additionally, the industry in which we compete is often characterized by significant cyclical fluctuations in activity levels that can adversely impact our financial results. Our revolving credit and term loan facilities contain restrictive loan covenants with which we are required to comply. There is no assurance that our financial results will be adequate to ensure we remain in compliance with these covenants in the future, nor is there any assurance we can obtain amendments to or waivers of these covenants should we not be in compliance.

**We may incur substantial costs to comply with our environmental obligations.**

In our equipment fabrication and refurbishing operations, we generate and manage hazardous wastes. These include:

- waste solvents;
- waste paint;
- waste oil;
- washdown wastes; and
- sandblasting wastes.

We attempt to identify and address environmental issues before acquiring properties and to utilize industry accepted operating and disposal practices regarding the management and disposal of hazardous wastes. Nevertheless, either others or we may have released hazardous materials on our properties or in other locations where hazardous wastes have been taken for disposal. We may be required by federal, state or foreign environmental laws to remove hazardous wastes or to remediate sites where they have been released. We could also be subjected to civil and criminal penalties for violations of those laws. Our costs to comply with these laws may adversely affect our earnings.

**Our quarterly sales and cash flow may fluctuate significantly.**

Our revenues are substantially derived from significant contracts that are often performed over periods of two to six or more quarters. As a result, our revenues and cash flow may fluctuate significantly from quarter to quarter, depending upon our ability to replace existing contracts with new orders and upon the extent of any delays in completing existing projects.

**The loss of any member of our senior management could adversely affect our results of operations.**

Our success depends heavily on the continued services of our senior management. These are the individuals who possess our bidding, procurement, transportation, logistics, planning, project management, risk management and financial skills. If we lost or suffered an extended interruption in the services of one or more of our senior officers, our results of operations could be adversely affected. Moreover, we cannot assure you that we will be able to attract and retain qualified personnel to succeed members of our senior management. We do not maintain key man life insurance.

**Competition could result in reduced profitability and loss of market share.**

Contracts for our products and services are generally awarded on a competitive basis, and competition is intense. Historically, the existence of overcapacity in our industry has caused increased price competition in many areas of our business. The most important factors considered by our customers in awarding contracts include:

- the availability and capabilities of our equipment;
- our ability to meet the customer's delivery schedule;
- price;
- our reputation;
- our technology;
- our experience; and
- our safety record.

In addition, we may encounter obstacles in our international operations that impair our ability to compete in individual countries. These obstacles may include:

- subsidies granted in favor of local companies;
- taxes, import duties and fees imposed on foreign operators;
- lower wage rates in foreign countries; and
- fluctuations in the exchange value of the United States dollar compared with the local currency.

Any or all these factors could adversely affect our ability to compete and thus adversely affect our results of operations.

**A further economic decline could adversely affect demand for our products and services.**

Economic growth in several of our key markets, including the United States and Southeast Asia, declined throughout 2001 due to a world-wide recession, which was exacerbated by significant terrorist acts in the United States during September 2001. Slower than expected economic growth in the United States during 2002, as well as in other regions of the world, contributed to a decline in exploration and production activity in the oil and gas industry. If the United States economy were to decline further or if the economies of other nations in which we do business were to experience further material problems, the demand and price for oil and gas and, therefore, for our products and services, could decline, which would adversely affect our results of operations.

**Our ability to compete successfully is dependent on technological advances in our products, and our failure to respond timely or adequately to technological advances in our industry may adversely affect our results of operations.**

Our ability to succeed with our long-term growth strategy is dependent on the technological competitiveness of our products. If we are unable to innovate and implement advanced technology in our products, other

competitors may be able to compete more effectively with us, and our business and results of operations may be adversely affected.

## **Operations**

We offer our products and services as either integrated systems or individual components primarily through three business lines: traditional production equipment and services, engineered systems and automation and control systems.

### ***Traditional Production Equipment and Services***

Traditional production equipment and services consists of production equipment, replacement parts, and used equipment refurbishing and servicing, which is sold primarily onshore in North America and in the Gulf of Mexico. Through our NATCO Canada subsidiary, we provide traditional production equipment with modifications to operate in a cold weather environment. The equipment built for the North American oil and gas industry are “off the shelf” items or are customized variations of standardized equipment requiring limited engineering. We market traditional production equipment and services through 28 sales and service centers in the United States, six in Canada, one in Mexico and one in Venezuela.

Traditional production equipment includes:

- *Separators.* Separators are used for the primary separation of a hydrocarbon stream into oil, water and gas. Our separator product line includes:
  - horizontal separators, which are used to separate hydrocarbon streams with large volumes of gas, liquids or foam;
  - vertical separators, which are used to separate hydrocarbon streams containing contaminants including salt and wax;
  - filter separators, which are used to remove particulate contaminants from gas streams and/or to coalesce liquids;
  - Thermo Pak™ Units, which are used for the combined heating and separating of production in cold climates; and
  - Whirly Scrub™ V centrifugal separators, which are used as state-of-the-art compact scrubbers.
- *Oil Dehydration Equipment.* Oil dehydrators are used to remove water from oil. Our oil dehydration product line includes:
  - horizontal PERFORMAX® treaters, which separate oil and water mixtures using gravity and proprietary technology;
  - Dual Polarity® electrostatic treaters, which dehydrate oil using high voltage electrical coalescence;
  - vertical treaters, which separate oil and water using gravity and heat;
  - Vertical Flow Horizontal (VFH™) processors, which combine the advantages of horizontal and vertical vessels to remove gas and water from oil streams; and
  - heater-treaters, which use heat to accelerate the dehydration process.
- *Heaters.* Heaters are used to reduce the viscosity of oil to improve flow rates and to prevent hydrates from forming in gas streams. We manufacture both standardized and customized direct and indirect fired heaters. In each system, heat is transferred to the hydrocarbon stream through a medium such as water, water/glycol, steam, salt or flue gas. Our heater product line includes:
  - indirect fired water bath heaters;
  - vaporizers used to vaporize propane and other liquefied gases;

- salt bath heaters used to heat high pressure natural gas streams to elevated temperatures above that obtained with indirect heaters;
- steam bath heaters; and
- Controlled Heat Flux (CHF<sup>TM</sup>) heaters, which use flue gas to create a heat transfer medium.
- *Gas Conditioning Equipment.* Gas conditioning equipment removes contaminants from hydrocarbon and gas streams. Our gas conditioning equipment includes:
  - Cynara<sup>®</sup> membrane systems, which extract carbon dioxide from gas streams;
  - glycol dehydration equipment, which uses glycol to absorb water vapor from gas streams;
  - amine systems, which use amine to remove acidic gases such as hydrogen sulfide and carbon dioxide from gas streams;
  - Glymine<sup>®</sup> units, which combine the effects of glycol equipment and amine systems;
  - Paques<sup>TM</sup> and Shell-Paques<sup>TM</sup> licensed desulfurization technology, which utilizes a biological system to efficiently take hydrogen sulfide out of gas streams;
  - the BTEX-BUSTER<sup>®</sup>, which virtually eliminates the emission of volatile hydrocarbons associated with glycol dehydration reboilers; and
  - DESI-DRI<sup>®</sup> Systems, which use highly compressed drying agents to remove water vapor from gas streams.
- *Gas Processing Equipment.* We offer standard and custom processing equipment for the extraction of liquid hydrocarbons to meet feed gas and liquid product requirements. We manufacture several standard mechanical refrigeration units for the recovery of salable hydrocarbon liquids from gas streams. Low Temperature Extractor (LTX<sup>®</sup>) units are mechanical separation systems designed for handling high-pressure gas at the wellhead. These systems remove liquid hydrocarbons from gas streams more efficiently and economically than other methods.
- *Carbon Dioxide Field Operations.* We also provide gas-processing facilities for the removal of carbon dioxide from hydrocarbon streams. These facilities use our proprietary Cynara<sup>®</sup> membrane technology that provides one of the most effective separation solutions for hydrocarbon streams containing carbon dioxide. The primary market for these facilities is production from wells such as those located in west Texas in which carbon dioxide injection is used to enhance the recovery of oil reserves.
- *Water Treatment Equipment.* We offer a complete line of water treatment and conditioning equipment for the removal of contaminants from water extracted during oil and gas production. Our water treatment equipment includes:
  - PERFORMAX<sup>®</sup> Matrix Plate Coalescers, which are used in both primary separation and final skimming applications;
  - TriPack<sup>TM</sup> Corrugated Plate Interceptors, which are used to remove oil and salable hydrocarbons from water;
  - Oilspin AV<sup>TM</sup> and AV<sub>i</sub><sup>TM</sup> liquid/liquid hydrocyclones, which are compact centrifugal separation devices used in primary water treatment applications;
  - Tridair<sup>TM</sup> Sparger Gas Flotation units, which are used as secondary water cleanup systems; and
  - PowerClean<sup>TM</sup> Nutshell Filters, which are used where tertiary water cleanup is required.
- *Equipment Refurbishment.* We source, refurbish and integrate used oil and gas production equipment. Customers that purchase this equipment benefit from reduced delivery times and lower equipment costs relative to new equipment. The used equipment market is focused primarily in North

America, both onshore and offshore, although we have observed a growing interest internationally. We have entered into agreements with major, large independent oil companies in both the United States and Canada to evaluate, track and refurbish used production equipment and may act as a broker between another oil company and our customer or may purchase, refurbish and sell used equipment to our customers. We believe that we have one of the largest databases in the North American oil and gas industry of available surplus production equipment. This database, coupled with our extensive refurbishing facilities and experience, enables us to respond to customer requests for refurbished equipment quickly and efficiently.

- *Centrifugal Separations Systems.* In order to substantially reduce the size and weight of equipment for operators, we utilize our Porta-Test® Revolution™ centrifugal separator inlet devices and Whirly Scrub™ I inline centrifugal scrubbers to eliminate the need for large traditional vessels.
- *Parts, Service and Training.* We provide replacement parts for our own equipment and for equipment manufactured by others. Each branch of our marketing network also serves as a local parts and service business. We offer operational and safety training to the oil and gas production industry. We use training programs as a marketing tool for our other products and services.

### ***Engineered Systems***

We design, engineer and manufacture engineered systems for large production development projects throughout the world. We also provide start-up services for our engineered products. Engineered systems typically require a significant amount of technology, engineering and project management.

We market engineered systems through our direct sales forces based in Houston, Texas; Calgary, Alberta, Canada; Camberley, England; Redruth, England; Gloucester, England; Caracas, Venezuela; Singapore; and Tokyo, Japan, augmented by independent representatives in other countries. We also use the unique oil testing capabilities at our research and development facilities to market engineered systems. This capability enables us to determine equipment specifications that best suit customers' requirements.

Engineered systems include:

- *Integrated Oil and Gas Processing Trains.* These consist of multiple units that process oil and gas from primary separation through contaminant removal. For example, during 2002, we designed, manufactured and assembled a module for a production facility situated off the coast of West Africa that is capable of processing 250,000 barrels of oil per day.
- *Large Gas Processing Facilities.* We provide large gas processing facilities for the separation, heating, dehydration and removal of liquids and contaminants to produce pipeline-quality natural gas. We also design and manufacture gas-processing facilities that remove carbon dioxide from hydrocarbon streams. These facilities use Cynara® membrane technology, which provides the most cost-effective separation solution for hydrocarbon streams containing more than 20% carbon dioxide. A primary market for this application is production from gas wells, such as those located in Southeast Asia, which have naturally occurring carbon dioxide.
- *Floating Production Systems.* These consist of large skid-mounted processing units used in conjunction with semi-submersible, converted tankers and other floating production vessels. Floating production equipment must be specially designed to overcome the detrimental effects of wave motion on floating vessels. We pioneered and patented the first wave-motion production vessel internals system and continue to advance this technology at our research and development facility using a wave-motion table, which simulates a variety of sea states. We also utilize Computational Fluid Dynamic modeling and Finite Element Analysis to ensure that these facilities are optimally designed and are fabricated to meet the durability requirements at defined sea states.
- *Dehydration and Desalting Systems.* Dehydration and desalting involves the removal of water and salt from an oil stream. Desalting is a specialized form of dehydration. In this process, water is injected into an oil stream to dissolve the salt and the saltwater is then removed from the stream.

Large production projects often use electrostatic technology to desalt oil. We believe that we are the leading developer of electrostatic technologies for oil treating and desalting. One of our dehydration and desalting systems, the Electro Dynamic™ Desalter, can be used in oil refineries, where stringent desalting requirements have grown increasingly important. These requirements have increased as crude quality has declined and catalysts have become more sensitive and sophisticated, requiring lower levels of contaminants. This technology reduces the number and size of vessels employed by this system and is particularly important in refinery and offshore applications where space is at a premium.

- *Water Injection Systems.* We provide water injection systems used both onshore and offshore to remove contaminants from water to be injected into a reservoir during production so that the formation or its production characteristics are not adversely affected. These systems may involve media and cartridge filters, deaeration, chemical injection and sulfate removal. Offshore facilities to treat raw seawater involving use of sulfate removal membranes can be and often are very large projects, and are increasingly necessary for field development in locations such as West Africa. Water injection systems may also use our compact SeaJect™ oxygen removal systems.
- *Oily Water Cleanup Systems.* We design and engineer systems that, through the use of liquid/liquid hydro-cyclone technology and induced or dissolved gas flotation technology, remove oil and solids from a produced water stream. Oily water cleanup is often required prior to the disposal or re-injection of produced water.
- *Downstream Facilities.* We offer several technologies that have crossover applications in the refinery and petrochemical sectors. Most involve aspects of oil treating and water treating. We discussed above the use in refineries of one of our dehydration and desalting systems. Through our subsidiary operation in Camberley, England, we also design and supply process facilities for hydrogen generation and purification, for use in refineries and petrochemical plants or by industrial gas suppliers. In addition, we can provide DOX™ units to ethylene processors that clean both heavy and light dispersed oil from water.

#### *Automation and Control Systems*

The primary market for automation and control systems is in offshore applications throughout the world. We market and service these products through a four-branch network primarily located in the Gulf Coast area. These automation and control systems include:

- *Control Systems.* We design, assemble and install pneumatic, hydraulic, electrical and computerized control panels and systems. These systems monitor and change key parameters of oil and gas production systems. Key parameters include wellhead flow control, emergency shutdown of production and safety systems. A control system consists of a control panel and related tubing, wiring, sensors and connections.
- *Engineering and Field Services.* We provide start-up support, testing, maintenance, repair, renovation, expansion and upgrade of control systems including those designed or installed by competitors. Our design and engineering staff also provide contract electrical engineering services.
- *SCADA Systems.* Supervisory control and data acquisition (“SCADA”) systems provide remote monitoring and control of equipment, production facilities, pipelines and compressors via radio, cellular phone, microwave and satellite communication links. SCADA systems reduce the number of personnel and frequency of site visits and allow for continued production during periods of emergency evacuation, thereby reducing operating costs.

#### **Manufacturing Facilities**

We operate eight primary manufacturing facilities ranging in size from approximately 8,000 square feet to approximately 130,000 square feet of manufacturing space. We own five of these facilities and lease the other three.

Our major manufacturing facilities are located in:

- *Pittsburg, California.* We manufacture the membranes for our bulk carbon dioxide membrane separation equipment at this 8,000 square foot facility.
- *Covington, Louisiana.* We fabricate various types of water treatment equipment, as well as low-pressure production vessels at this 51,000 square foot facility.
- *Harvey, Louisiana.* We fabricate control panels for delivery throughout the world at this 12,000 square foot climate-controlled facility.
- *New Iberia, Louisiana.* We fabricate packaged production systems for delivery throughout the world at this 60,000 square foot and 16 acre waterfront facility, which can handle large equipment systems. We upgraded and expanded this facility in 2001.
- *Electra, Texas.* We produce various types of low- and high-pressure production vessels, as well as skid-mounted packages at this 130,000 square foot facility.
- *Houston, Texas.* We fabricate control panels for delivery throughout the world at this 8,000 square foot climate-controlled facility.
- *Magnolia, Texas.* We fabricate various types of low-pressure production vessels as skid packages at this 38,000 square foot facility. This facility also refurbishes used equipment.
- *Calgary, Alberta, Canada.* We produce heavy wall and cold weather packaged equipment and systems primarily for the Canadian and Alaskan markets at this 68,000 square foot facility.

Our manufacturing operations are vertically integrated. At most locations, we are able to engineer, fabricate, heat treat, inspect and test our products. Consequently, we are able to control the quality of our products and the cost and schedule of our manufacturing activities.

Our New Iberia, Electra and Calgary facilities have been certified to ISO 9002 standards. This certification is an internationally recognized verification system for quality management overseen by the International Standards Organization based in Geneva, Switzerland. The certification is based on a review of our programs and procedures designed to maintain and enhance quality production and is subject to annual review and re-certification.

We fabricate to the standards of the American Petroleum Institute, the American Welding Society, the American Society of Mechanical Engineers and specific customer specifications. We use welding and fabrication procedures in accordance with the latest technology and industry requirements. We have instituted training programs to upgrade skilled personnel and maintain high quality standards. We believe that these programs generally enhance the quality of our products and reduce their repair rate.

## **Research and Development**

We believe we are an industry leader in the development of oil and gas production equipment technology. We pioneered many of the original separation technologies for converting unprocessed hydrocarbon fluids into salable oil and gas. For example, we developed:

- the first high capacity oil and gas separator, which has been enhanced with the development of our centrifugal inlet vortex tubes (Porta-Test® Revolution™) and other centrifugal separation technologies (WhirlyScrub™ V's and I's);
- the first emulsion treating systems, which have been advanced through the application of our Dual Polarity™, TriVolt™, TriGrid™, TriGridmax™ and the EDD™ (ElectroDynamic Desalting™) electrostatic oil treaters;
- a PC-based Load Responsive Controller™ (LRC™) for controlling electrostatic treaters remotely;
- a composite grid system for use in complex separation applications;

- DOX<sup>TM</sup> and OSX<sup>TM</sup> water filtration systems;
- the Oilspin AV<sup>TM</sup> and the automatic turndown capable AVi<sup>TM</sup> liquid/liquid hydro-cyclones;
- the Mozley Sandspin<sup>TM</sup> solid/liquid hydro-cyclones and the Mozley Wellspin<sup>TM</sup> wellhead desander;
- the Mozley SandClean<sup>TM</sup> System for cleanup of sand prior to offshore discharge;
- the Tridair<sup>TM</sup> Single Cell VersaFlo<sup>TM</sup> flotation unit;
- the Subfloat<sup>TM</sup> submerged column flotation unit;
- high pressure indirect and Controlled Heat Flux<sup>TM</sup> (CHF<sup>TM</sup>) heaters;
- PERFORMAX<sup>®</sup> oil and water treating systems;
- SeaJect<sup>TM</sup> compact seawater deoxygenation system for removal of oxygen in injection facilities; and
- Enhancements in Cynara<sup>®</sup> membrane fibers to allow for increased acid gas separation efficiencies.

Our internal designs and devices used inside separators and other vessels to compensate for wave motion have become the industry standard for floating production applications, and our electrostatic oil treating technology is the most advanced in the industry. As of December 31, 2002, we held 35 active U.S. and equivalent foreign patents and numerous U.S. and foreign trademarks. We also have applications pending for nine additional U.S. patents. In addition, we are licensed under several patents held by others.

We operate a research and development facility in Tulsa, Oklahoma, at which a number of test devices are used to simulate and analyze oil and gas production processes. At our manufacturing facility in Pittsburg, California, we are engaged in active, ongoing research and development in the area of membrane technology. We also have research and development operations at our facilities in the United Kingdom, where we primarily focus on water treatment developments.

At December 31, 2002, NATCO had 22 employees engaged in research and development or product commercialization activities.

## **Marketing**

Our products and services are marketed primarily through an internal sales force augmented by technical applications specialists for specific customer requirements. In addition, we maintain agency relationships in most energy producing regions of the world to enhance our efforts in countries where we do not have employees. Our traditional production equipment and services business has 34 operating branches in North America through which we sell production equipment, spare parts and services directly to oil and gas operators. Our engineered systems business typically involves a significant pre-award effort during which we must provide technical qualifications, evaluate the requirements of the specific project, design a conceptual solution that meets the project requirements and estimate our cost to provide the system to the customer in the time frame required. Our automation and control systems business is primarily marketed through our internal sales force.

## **Customers**

We devote a considerable portion of our marketing time and effort to developing and maintaining relationships with key customers. Some of these relationships are project specific, such as our participation in several Alaskan projects with BP. However, our customer base ranges from independent operators to major and national oil companies worldwide. In 2002, ExxonMobil Corporation and affiliates, BP and affiliates excluding CTOC, and ChevronTexaco Corp. and affiliates, provided 10%, 6% and 5% of our consolidated revenues, respectively. No other customer provided more than 5% of our consolidated revenues during 2002. In 2001, Anadarko and affiliates, ChevronTexaco Corp. and affiliates, and BP and affiliates excluding CTOC, each provided 5% of our consolidated revenue. No other customer contributed more than 5% of total revenues for the year ended December 31, 2001. Our level of technical expertise, extensive distribution network and breadth of product offerings contributes to the maintenance of good working relationships with our customers.

## **Backlog**

Backlog consists of firm customer orders for which satisfactory credit or financing arrangements have been made, authorization has been given to begin work or purchase materials and a delivery date has been scheduled.

Our sales backlogs at December 31, 2002, 2001 and 2000, were \$90.1 million, \$101.3 million and \$49.9 million, respectively. Backlog at December 31, 2002 included \$28.7 million related to ExxonMobil Corporation and affiliates, and \$11.7 million for ChevronTexaco Corp. Backlog at December 31, 2001 included \$27.4 million for ExxonMobil Corporation and affiliates, and \$11.1 million for a North Sea consortium. Backlog at December 31, 2000 included \$12.5 million related to CTOC.

Occasionally, a customer will cancel or delay a project for reasons beyond our control. In the event of a project cancellation, we generally are reimbursed for costs incurred but typically have no contractual right to the total revenues reflected in our backlog. In addition, projects may remain in our backlog for extended periods of time. If we were to experience significant cancellations or delays of projects in our backlog, our results of operations and financial condition could be materially adversely affected.

## **Competition**

Contracts for our products and services are generally awarded on a competitive basis, and competition is intense. The most important factors considered by customers in awarding contracts include the availability and capabilities of equipment, the ability to meet the customer's delivery schedule, price, reputation, experience and safety record.

Historically, the existence of overcapacity in the industry has caused increased price competition in many areas of the business. In addition, we may encounter obstacles in our international operations that impair our ability to compete in individual countries. These obstacles may include:

- subsidies granted in favor of local companies;
- taxes, import duties and fees imposed on foreign operators;
- lower wage rates in foreign countries; and
- fluctuations in the exchange value of the United States dollar compared with the local currency.

Any or all these factors could adversely affect our ability to compete and thus adversely affect our results of operations.

The primary competitors in the traditional production equipment and services business include Hanover Compressor Corp., as well as numerous privately held, mainly regional companies. Competitors in our engineered systems business include Petreco, Kvaerner Process Systems, UOP, Hanover APS, U.S. Filter and numerous engineering and construction firms. The primary competitors in our automation and control systems business are W Industries, MMR-Radon, SECO and numerous privately held companies operating in the Gulf Coast region.

We believe that we are one of the largest crude oil and natural gas production equipment providers in North America and have one of the leading market shares internationally. We further believe that our size, research and development capabilities, brand names and marketing organization provide us with a competitive advantage over the other participants in the industry.

## **Environmental Matters**

We are subject to environmental regulation by federal, state and local authorities in the United States and in several foreign countries. Although we believe that we are in substantial compliance with all applicable environmental laws, rules and regulations ("laws"), the field of environmental regulation can change rapidly with the enactment or enhancement of laws and stepped up enforcement of these laws, either of which could require us to change or discontinue certain business activities. At present, we are not involved in any material

environmental matters of any nature and are not aware of any material environmental matters threatened against us.

**Employees**

At December 31, 2002, we had approximately 1,700 employees. Of these, approximately 80 were represented under collective bargaining agreements that extend through July 2003. We believe that our relationships with our employees are satisfactory.

**Item 2. Properties**

We operate eight primary manufacturing plants ranging in size from approximately 8,000 square feet to approximately 130,000 square feet of manufacturing space. We also own and lease distribution and service centers, sales offices and warehouses. We lease our corporate headquarters in Houston, Texas. At December 31, 2002, we owned or leased approximately 1.1 million square feet of facility of which approximately 501,000 square feet was leased, and approximately 551,000 square feet was owned. Of the total manufacturing space, approximately 278,000 square feet was located in the United States and approximately 100,000 square feet was located in Canada.

The following chart summarizes the number of facilities owned or leased by us by geographic region and business segment.

	<u>United States</u>	<u>Canada</u>	<u>Other</u>
North American Operations .....	34	6	4
Engineered Systems .....	2	—	10
Automation and Control Systems.....	2	—	1
Corporate and Other .....	<u>2</u>	<u>—</u>	<u>—</u>
Totals .....	<u>40</u>	<u>6</u>	<u>15</u>

**Item 3. Legal Proceedings**

We are a party to various routine legal proceedings that are incidental to our business activities. We insure against the risk of these proceedings to the extent deemed prudent by our management, but we offer no assurance that the type or value of this insurance will meet the liabilities that may arise from any pending or future legal proceedings related to our business activities. We do not, however, believe the pending legal proceedings, individually or taken together, will have a material adverse effect on our results of operations or financial condition.

**Item 4. Submission of Matters to a Vote of Security Holders**

There were no matters submitted to a vote of security holders during the fourth quarter of 2002.

**PART II**

**Item 5. Market for Registrant’s Common Equity and Related Stockholder Matters**

Our authorized common stock consists of 50,000,000 shares of common stock. Prior to January 1, 2002, our common stock was divided into two classes designated as “Class A common stock” and “Class B common stock.” On January 1, 2002, all outstanding shares of Class B common stock were automatically converted into shares of Class A common stock, at which time the authorized common stock reverted to a single class designated as “common stock.” There were 15,803,797 shares outstanding as of March 10, 2003. The number of record holders of our common stock was 73 at March 10, 2003. The number of record holders of our common stock does not include the stockholders for whom shares are held in a “nominee” or “street” name.

There were 5,000,000 shares of preferred stock authorized at March 10, 2003. On March 13, 2003, we agreed to sell 15,000 shares of our Series B Convertible Preferred Stock to a private investment fund. We expect this transaction to close prior to the end of March 2003. See “Item 7, Management’s Discussion and Analysis of Financial Condition and Results of Operations—Commitments and Contingencies.” Our common stock is traded on the New York Stock Exchange under the ticker symbol NTG.

The following table sets forth, for the calendar quarters indicated, the high and low sales prices of our common stock reported by the NYSE. No information is provided for the period prior to our initial public offering of our common stock on January 27, 2000.

	<u>Common Stock</u>	
	<u>High</u>	<u>Low</u>
<b>2000</b>		
First Quarter . . . . .	\$14.94	\$10.25
Second Quarter . . . . .	11.25	7.75
Third Quarter . . . . .	10.94	7.88
Fourth Quarter . . . . .	8.88	6.50
<b>2001</b>		
First Quarter . . . . .	\$11.50	\$ 8.06
Second Quarter . . . . .	13.74	8.80
Third Quarter . . . . .	9.02	6.82
Fourth Quarter . . . . .	8.20	6.00
<b>2002</b>		
First Quarter . . . . .	\$ 8.60	\$ 6.51
Second Quarter . . . . .	9.12	6.80
Third Quarter . . . . .	8.60	5.85
Fourth Quarter . . . . .	7.54	5.85

We do not intend to declare or pay any dividends on our common stock in the foreseeable future, but rather intend to retain any future earnings for use in the business. Our credit facility restricts our ability to pay dividends and other distributions.

**Item 6. Selected Financial Data**

The following summary consolidated historical financial information for the periods and the dates indicated should be read in conjunction with our consolidated historical financial statements. During 1998, we changed our fiscal year-end to December 31 from March 31.

	Year Ended December 31,				Nine Months Ended December 31, 1998
	2002	2001	2000	1999	
(in thousands, except per share amounts)					
Statement of Operations Data:					
Revenues .....	\$289,539	\$286,582	\$224,552	\$169,948	\$145,611
Cost of goods sold .....	<u>219,354</u>	<u>210,512</u>	<u>162,757</u>	<u>127,609</u>	<u>115,521</u>
Gross profit .....	70,185	76,070	61,795	42,339	30,090
Selling, general and administrative expense ...	53,947	51,471	39,443	32,437	24,530
Depreciation and amortization expense .....	4,958	8,143	5,111	4,681	1,473
Closure and other .....	548	1,600	1,528	—	—
Interest expense .....	4,527	4,941	1,588	3,256	2,215
Interest cost on postretirement benefit liability .....	471	888	1,287	1,048	786
Revaluation (gain) loss on post-retirement benefit liability .....	—	—	—	(1,016)	53
Interest income .....	(248)	(660)	(181)	(256)	(227)
Other expense, net .....	<u>400</u>	<u>429</u>	<u>13</u>	<u>—</u>	<u>—</u>
Income before income taxes .....	5,582	9,258	13,006	2,189	1,260
Income tax provision .....	<u>1,705</u>	<u>3,895</u>	<u>5,345</u>	<u>1,548</u>	<u>608</u>
Income before cumulative effect of a change in accounting principle .....	<u>\$ 3,877</u>	<u>\$ 5,363</u>	<u>\$ 7,661</u>	<u>\$ 641</u>	<u>\$ 652</u>
Basic earnings per share before cumulative effect of a change in accounting principle ..	\$ 0.25	\$ 0.34	\$ 0.52	\$ 0.07	\$ 0.08
Diluted earnings per share before cumulative effect of a change in accounting principle ..	\$ 0.24	\$ 0.34	\$ 0.51	\$ 0.06	\$ 0.07
Balance Sheet Data (at the end of the period)					
Total assets .....	\$231,595	\$232,751	\$153,126	\$106,830	\$118,412
Stockholders' equity .....	\$ 91,852	\$ 88,930	\$ 86,179	\$ 28,514	\$ 24,190
Long-term debt, excluding current installments .....	\$ 45,257	\$ 51,568	\$ 14,959	\$ 31,180	\$ 41,777
Postretirement and other long-term obligations	\$ 12,718	\$ 14,107	\$ 14,589	\$ 15,853	\$ 15,587

**Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations**

The following discussion of our historical results of operations and financial condition should be read in conjunction with our consolidated financial statements and notes thereto.

**Overview**

We offer products and services as either integrated systems or individual components primarily through three business lines:

- traditional production equipment and services, through which we provide standardized components, replacement parts and used components and equipment servicing;

- engineered systems, through which we provide customized, large scale integrated oil, gas and water production and processing systems; and
- automation and control systems, through which we provide control panels and systems that monitor and control oil and gas production, as well as repair, testing and inspection services for existing systems.

We report three separate business segments: North American operations, engineered systems and automation and control systems.

In January 2000, we completed our initial public offering of common stock, resulting in the issuance of 5,178,807 shares of common stock with net proceeds of \$46.7 million. In July 2000, we changed our presentation of certain assets that were acquired from The Cynara Company in November 1998, and the related operating results, for segment reporting purposes. The majority of the assets were reclassified to the North American operations business segment from the engineered systems business segment. This change has been retroactively reflected in all periods presented.

### **Forward-Looking Statements**

Management's Discussion and Analysis of Financial Condition and Results of Operations includes forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended (each a "Forward-Looking Statement"). The words "believe," "expect," "plan," "intend," "estimate," "project," "will," "could," "may" and similar expressions are intended to identify Forward-Looking Statements. Forward-Looking Statements in this document include, but are not limited to, discussions regarding synergies and opportunities resulting from acquisitions (see "—Acquisitions"), indicated trends in the level of oil and gas exploration and production and the effect of such conditions on our results of operations (see "—Industry and Business Environment"), future uses of and requirements for financial resources (see "—Liquidity and Capital Resources"), and anticipated backlog levels for 2003. Our expectations about our business outlook, customer spending, oil and gas prices and the business environment for the industry, in general, and us, in particular, are only our expectations regarding these matters. No assurance can be given that actual results may not differ materially from those in the Forward-Looking Statements herein for reasons including, but not limited to: market factors such as pricing and demand for petroleum related products, the level of petroleum industry exploration and production expenditures, the effects of competition, world economic conditions, the level of drilling activity, the legislative environment in the United States and other countries, policies of OPEC, conflict in major petroleum producing or consuming regions, the development of technology which could lower overall finding and development costs, weather patterns and the overall condition of capital markets for countries in which we operate.

The following discussion should be read in conjunction with the financial statements, related notes and other financial information appearing elsewhere in this Annual Report on Form 10-K. Readers are also urged to carefully review and consider the various disclosures advising interested parties of the factors that affect us, including, without limitation, the disclosures made under the caption "Risk Factors" and the other factors and risks discussed in this Annual Report on Form 10-K and in subsequent reports filed with the Securities and Exchange Commission. We expressly disclaim any obligation or undertaking to release publicly any updates or revisions to any Forward-Looking Statement to reflect any change in our expectations with regard thereto or any change in events, conditions or circumstances on which any Forward-Looking Statement is based.

### **Critical Accounting Policies and Estimates**

The preparation of our consolidated financial statements requires us to make certain estimates and assumptions that affect the results reported in our consolidated financial statements and accompanying notes. These estimates and assumptions are based on historical experience and on our future expectations that we believe to be reasonable under the circumstances. Note 2 to our consolidated financial statements contains a summary of our significant accounting policies. We believe the following accounting policies are the most critical in the preparation of our consolidated financial statements.

**Revenue Recognition: Percentage-of-Completion Method.** We recognize revenues from significant contracts (contracts greater than \$250,000 and longer than four months in duration) and certain automation and controls contracts and orders on the percentage of completion method of accounting. Earned revenue is based on the percentage that costs incurred to date relate to total estimated costs of the project, after giving effect to the most recent estimates of total cost. The timing of costs incurred, and therefore recognition of revenue, could be affected by various internal or external factors including, but not limited to: changes in project scope (change orders), changes in productivity, scheduling, the cost and availability of labor, the cost an availability of raw materials, the weather, client delays in providing approvals at benchmark stages of the project and the timing of deliveries from third-party providers of key components. The cumulative impact of revisions in total cost estimates during the progress of work is reflected in the period in which these changes become known. Earned revenue reflects the original contract price adjusted for agreed claims and change order revenues, if applicable. Losses expected to be incurred on the jobs in progress, after consideration of estimated probable minimum recoveries from claims and change orders, are charged to income as soon as such losses are known. Claims for additional contract revenue are recognized if it is probable that the claim will result in additional revenue and the amount can be reliably estimated. We generally recognize revenue and earnings to which the percentage-of-completion method applies over a period of two to six quarters. In the event a project is terminated by our customer before completion, our customer is liable for costs incurred under the contract. We believe that our operating results should be evaluated over a term of several years to evaluate our performance under long-term contracts, after all change orders, scope changes and cost recoveries have been negotiated and realized. We record revenues and profits on all other sales as shipments are made or services are performed.

**Impairment Testing: Goodwill.** As required by Statement of Financial Accounting Standards (“SFAS”) No. 142, “Goodwill and Other Intangible Assets,” we evaluate goodwill annually for impairment by comparing the fair value of operating assets to the carrying value of those assets, including any related goodwill. As required by SFAS No. 142, we identify separate reportable units for purposes of this evaluation. In determining carrying value, we segregate assets and liabilities that, to the extent possible, are clearly identifiable by specific reportable unit. All inter-company receivables/payables are excluded. Certain corporate and other assets and liabilities, that are not clearly identifiable by specific reportable unit, are allocated based on the ratio of each unit’s net assets relative to total net assets. The fair value is then compared to the carrying value of the reportable unit to determine whether or not impairment has occurred at the reportable unit level. In the event an impairment is indicated, an additional test is performed whereby an implied fair value of goodwill is determined through an allocation of the fair value to the reporting unit’s assets and liabilities, whether recognized or unrecognized, in a manner similar to a purchase price allocation, in accordance with SFAS No. 141, “Business Combinations.” Any residual fair value after this purchase price allocation would be assumed to relate to goodwill. If the carrying value of the goodwill exceeded the residual fair value, we would record an impairment charge for that amount. Net goodwill was \$79.0 million at December 31, 2002. No impairment charge was recorded as of December 31, 2002.

## **Acquisitions**

In November 1998, we acquired all the outstanding common stock of The Cynara Company (“Cynara”), a designer and manufacturer of specialized production equipment utilizing membrane technology to separate bulk carbon dioxide from natural gas streams, for approximately \$15.5 million, 500,000 shares of our common stock and the right to receive additional shares of common stock based upon the financial performance of the Cynara assets. Ultimately, we issued 752,501 additional shares, as Class B Common Stock, which was converted to Class A Common Stock, on a share-for-share basis, prior to December 31, 2002.

In January 2000, we acquired all the outstanding common stock of Porta-Test International, Inc. (“Porta-Test”), a manufacturer of centrifugal devices used to enhance the effectiveness of separation equipment, for approximately \$7.0 million and the right to receive additional payments based upon the performance of certain Porta-Test assets. See—Commitments and Contingencies.

In February 2000, we acquired all the outstanding common stock of Modular Production Equipment, Inc. (“MPE”), a designer and manufacturer of water treatment separation systems specializing in hydro-cyclone technology, for approximately \$2.7 million.

In April 2000, we acquired all the outstanding common stock of Engineering Specialties Inc. (“ESI”), a provider of proprietary technologies for oily water treatment and heavy metals removal from production at or near the wellhead, for approximately \$7.1 million.

In March 2001, we acquired all the outstanding share capital of Axsia, a privately held process and design company based in the United Kingdom, for approximately \$42.8 million, net of cash acquired. Axsia specializes in the design and supply of equipment for water re-injection systems for oil and gas fields, oily water treatment, oil separation, hydrogen production and other oil and gas processing equipment systems. This acquisition was financed with borrowings under our term loan and revolving credit facility.

We accounted for each of the above transactions using the purchase method of accounting.

### Industry and Business Environment

As a leading provider of wellhead process equipment, systems and services used in the production of oil and gas, our revenues and results of operations are closely tied to demand for oil and gas products and spending by oil and gas companies for exploration and development of oil and gas reserves. These companies generally invest more in exploration and development efforts during periods of favorable oil and gas commodity prices, and invest less during periods of unfavorable oil and gas prices. As supply and demand change, commodity prices fluctuate producing cyclical trends in the industry. During periods of lower demand, revenues for service providers such as NATCO generally decline, as existing projects are completed and new projects are postponed. During periods of recovery, revenues for service providers can lag behind the industry due to the timing of new project awards.

Changes in commodity prices have impacted our business over the past several years. The following table summarizes the price of domestic crude oil per barrel and the wellhead price of natural gas per thousand cubic feet (“mcf”), as published by the U.S. Department of Energy, and the number of rotary drilling rigs in operation, as published by Baker Hughes Incorporated, for the most recent five years:

	Year Ended December 31,				
	2002	2001	2000	1999	1998
Average price of crude oil per barrel in the U.S. . . . .	\$ 22.51	\$21.86	\$26.72	\$15.56	\$10.87
Average wellhead price of natural gas per mcf in the U.S. . . . .	\$ 2.87 <sup>(1)</sup>	\$ 4.12	\$ 3.69	\$ 2.19	\$ 1.96
Average U.S. rig count . . . . .	830	1,156	918	625	826

<sup>(1)</sup>Average wellhead price of natural gas per mcf in the U.S. for the period January 1, 2002 through November 30, 2002.

At December 31, 2002, the spot price of West Texas Intermediate crude oil was \$31.17 per barrel, the price of natural gas was \$4.75 per mcf, and the U.S. rig count was 862. At February 28, 2003, the spot price of West Texas Intermediate crude oil was \$36.98 per barrel, the price of Henry Hub natural gas was \$8.00 per mcf, as per the New York Mercantile Exchange, and the U.S. rig count was 912, per Baker Hughes Incorporated. These spot prices reflect the overall volatility of oil and gas commodity prices in the current and recent years. Although increased commodity prices generally correlate directly with an increase in spending by oil and gas companies for exploration and development efforts, rig counts remain lower than expected based on historical experience.

From a longer-term perspective, the U.S. Department of Energy estimates that U.S. demand for petroleum products will grow at an average annual rate of 1.7% through 2025 and that U.S. demand for natural gas will increase at an average annual rate of 1.8% through 2025. As demand grows and reserves in the United States decline, producers and service providers in the oil and gas industry may continue to rely more

heavily on global sources of energy and expansion into new markets. The industry continues to seek more innovative and technologically efficient means to extract hydrocarbons from existing fields, as production profiles change. As a result, additional and more complex equipment may be required to produce oil and gas from these fields, especially since many new oil and gas fields produce lower quality or contaminated hydrocarbon streams, requiring more complex production equipment. In general, these trends should increase the demand for our products and services.

The following discussion of our historical results of operations and financial condition should be read in conjunction with our audited consolidated financial statements and notes thereto.

## Results of Operations

	<u>For the Year Ended December 31,</u>		
	<u>2002</u>	<u>2001</u>	<u>2000</u>
	(in thousands)		
Statement of Operations Data:			
Revenues .....	\$289,539	\$286,582	\$224,552
Cost of goods sold .....	<u>219,354</u>	<u>210,512</u>	<u>162,757</u>
Gross profit .....	70,185	76,070	61,795
Selling, general and administrative expense .....	53,947	51,471	39,443
Depreciation and amortization expense .....	4,958	8,143	5,111
Closure and other .....	548	1,600	1,528
Interest expense .....	4,527	4,941	1,588
Interest cost on postretirement benefit liability .....	471	888	1,287
Interest income .....	(248)	(660)	(181)
Other expense, net .....	<u>400</u>	<u>429</u>	<u>13</u>
Income from continuing operations before income taxes and change in accounting principle .....	5,582	9,258	13,006
Provision for income taxes .....	<u>1,705</u>	<u>3,895</u>	<u>5,345</u>
Income before cumulative effect of change in accounting principle ..	3,877	5,363	7,661
Cumulative effect of change in accounting principle (net of income taxes of \$7) .....	<u>—</u>	<u>—</u>	<u>10</u>
Net income .....	<u>\$ 3,877</u>	<u>\$ 5,363</u>	<u>\$ 7,671</u>

## Year Ended December 31, 2002 Compared to Year Ended December 31, 2001

*Revenues.* Revenues for the year ended December 31, 2002 increased \$3.0 million, or 1%, to \$289.5 million, from \$286.6 million for the year ended December 31, 2001. The following table summarizes revenues by business segment for the years ended December 31, 2002 and 2001, respectively:

<u>Revenues:</u>	<u>For the Year Ended</u> <u>December 31,</u>		<u>Change</u>	
	<u>2002</u>	<u>2001</u>	<u>Dollars</u>	<u>Percentage</u>
	(in thousands, except percentages)			
North American Operations .....	\$137,374	\$145,147	\$(7,773)	(5)%
Engineered Systems .....	107,041	99,021	8,020	8
Automation and Control Systems .....	52,142	47,693	4,449	9
Corporate and Inter-segment Eliminations .....	<u>(7,018)</u>	<u>(5,279)</u>	<u>(1,739)</u>	(33)
Total .....	<u>\$289,539</u>	<u>\$286,582</u>	<u>\$ 2,957</u>	1 %

Revenues from our North American operations business segment for the year ended December 31, 2002 decreased \$7.8 million, or 5%, to \$137.4 million from \$145.1 million for the year ended December 31, 2001. This decrease was directly related to a decline in oilfield activity throughout 2002. The average North American rotary rig count declined from 1,497 for the year ended December 31, 2001 to 1,093 for the year ended December 31, 2002. Although revenues for our traditional equipment and finished goods declined, results for our Latin American operations and CO<sub>2</sub> gas-processing operations and field services improved during 2002 relative to 2001. Revenues from our Canadian operations decreased as Canadian rotary rig counts continued to decline from an average of 341 for the year ended December 31, 2001 to an average of 263 for the year ended December 31, 2002. Inter-segment revenues for this business segment were approximately \$917,000 and \$781,000 for the years ended December 31, 2002 and 2001, respectively.

Revenues from our engineered systems business segment for the year ended December 31, 2002 increased \$8.0 million, or 8%, to \$107.0 million from \$99.0 million for the year ended December 31, 2001. This increase was primarily due to several large projects, primarily in West Africa, that provided revenues of approximately \$31.0 million during 2002, offset by a decline in revenues from our U.K.-based operations and a decline in revenues earned in Southeast Asia, with the substantial completion of the CTOC project in late 2001. Engineered systems revenues of \$107.0 million for the year ended December 31, 2002 included inter-segment revenues of \$1.8 million, as compared to \$748,000 of inter-segment revenues for the year ended December 31, 2001.

Revenues from our automation and control systems business segment for the year ended December 31, 2002 increased \$4.4 million, or 9%, to \$52.1 million from \$47.7 million for the year ended December 31, 2001. The increase was due to higher demand for our control equipment and field services, partially associated with repair projects in the Gulf of Mexico following several tropical weather systems in 2002. Inter-segment revenues increased from \$3.8 million for the year ended December 31, 2001 to \$4.3 million for the year ended December 31, 2002.

The change in revenues for corporate and inter-segment eliminations represents the elimination of inter-segment revenues as discussed above.

*Gross Profit.* Gross profit for the year ended December 31, 2002 decreased \$5.9 million, or 8%, to \$70.2 million from \$76.1 million for the year ended December 31, 2001. As a percentage of revenue, gross margins declined from 27% for the year ended December 31, 2001 to 24% for the year ended December 31, 2002. The following table summarizes gross profit by business segment for the years ended December 31, 2002 and 2001, respectively:

<u>Gross Profit:</u>	<u>For the Year Ended</u> <u>December 31,</u>		<u>Change</u>	
	<u>2002</u>	<u>2001</u>	<u>Dollars</u>	<u>Percentage</u>
	<i>(in thousands, except percentages)</i>			
North American Operations .....	\$37,583	\$35,475	\$ 2,108	6 %
Engineered Systems .....	23,213	31,221	(8,008)	(26)
Automation and Control Systems .....	<u>9,389</u>	<u>9,374</u>	<u>15</u>	—
Total .....	<u>\$70,185</u>	<u>\$76,070</u>	<u>\$(5,885)</u>	(8)%

Gross profit from our North American operations business segment for the year ended December 31, 2002 increased \$2.1 million, or 6%, to \$37.6 million from \$35.5 million for the year ended December 31, 2001. This increase in margin was primarily due to the contribution of our Latin American operations and our CO<sub>2</sub> gas-processing operations and field services, reflecting increased throughput from the expansion at our Sacroc facility. As a percentage of revenue, gross margins for the segment were 27% and 24% for the years ended December 31, 2002 and 2001, respectively.

Gross profit from our engineered systems business segment for the year ended December 31, 2002 decreased \$8.0 million, or 26%, to \$23.2 million from \$31.2 million for the year ended December 31, 2001, despite an 8% increase in revenues. This decline was due to the completion of several high-margin projects during 2001 in Southeast Asia and within our U.K.-based operations, partially offset by new projects for 2002

awarded at more traditional margins. As a percentage of revenue, gross margins for this segment were 22% and 32% for the years ended December 31, 2002 and 2001, respectively.

Gross profit from our automation and control systems business segment for the years ended December 31, 2002 and 2001 remained constant, despite a 9% increase in revenues for the period, primarily due to an increase in labor costs attributable to higher medical benefit costs and an unfavorable mix of labor and materials in 2002 compared to 2001. As a percentage of revenue, gross margins for this segment were 18% and 20% for the years ended December 31, 2002 and 2001, respectively.

*Selling, General and Administrative Expense.* Selling, general and administrative expense for the year ended December 31, 2002 increased \$2.5 million, or 5%, to \$53.9 million from \$51.5 million for the year ended December 31, 2001. This increase was largely related to the following factors:

- one year of operating expenses at Axsia during 2002 compared to nine months during fiscal 2001;
- additional costs associated with the start-up of the Singapore office in March 2001;
- costs associated with the start-up of the Mexico marketing office opened in late 2001; and
- additional costs associated with employee medical claims.

*Depreciation and Amortization Expense.* Depreciation and amortization expense for the year ended December 31, 2002 decreased \$3.2 million, or 39%, to \$5.0 million from \$8.1 million for the year ended December 31, 2001. Depreciation expense for the year ended December 31, 2002 increased \$764,000, or 19%, to \$4.9 million from \$4.1 million for the year ended December 31, 2001. This increase was primarily due to the inclusion of depreciation expense on assets acquired through the purchase of Axsia in March 2001, and depreciation on assets placed in service in late 2001 and 2002, including a significant upgrade of our drying plant facility in Pittsburg, California, and the expansion of our gas-processing plant at the Sacroc field. Amortization expense for the year ended December 31, 2002 decreased \$3.9 million, or 98%, to \$92,000 from \$4.0 million for the year ended December 31, 2001. This decrease in amortization expense was attributable to a change in accounting method prescribed by SFAS No. 142, "Goodwill and Other Intangible Assets." This pronouncement, adopted on January 1, 2002, requires that goodwill no longer be amortized over a prescribed period but rather intangible assets not assigned a useful life be evaluated annually for impairment. See "—Recent Accounting Pronouncements." Therefore, no goodwill amortization was recorded for the year ended December 31, 2002, compared to \$3.7 million for the year ended December 31, 2001. In addition, the results for the year ended December 31, 2001 include amortization expense associated with certain employment contracts that were fully amortized as of December 31, 2001.

*Closure and Other.* Closure and other charges for the year ended December 31, 2002 of \$548,000 related to the closure of a manufacturing and engineering facility in Edmonton, Alberta, Canada. Costs include the involuntary termination of certain employees, relocation of equipment and certain personnel and the modification of related operating lease arrangements. At December 31, 2002, our remaining accrued liability related to this restructuring was \$304,000, and we expect to incur additional relocation and shop moving costs which will be expensed as incurred through the second quarter of 2003. During the year ended December 31, 2001, we incurred a charge totaling \$920,000 related to certain restructuring costs to streamline activities and consolidate offices in connection with the acquisition of Axsia in March 2001, and an additional \$680,000 related to our decision to withdraw a private debt offering.

*Interest Expense.* Interest expense for the year ended December 31, 2002 decreased \$414,000, or 8%, to \$4.5 million from \$4.9 million for the year ended December 31, 2001. This decrease was due to a decline in outstanding debt from \$58.6 million at December 31, 2001 to \$52.4 million at December 31, 2002. The weighted average interest rate of our outstanding borrowings remained constant for the respective periods.

*Interest Cost on Postretirement Benefit Liability.* Interest cost on postretirement benefit liability decreased \$417,000, or 47%, from \$888,000 for the year ended December 31, 2001 to \$471,000 for the year ended December 31, 2002. This decrease in interest cost was due to an amendment to the plan that provides medical and dental coverage to retirees of a predecessor company. Under the amended plan, retirees will bear more cost for coverages, thereby reducing our projected liability and the related interest cost.

*Interest Income.* Interest income decreased \$412,000, or 62%, from \$660,000 for the year ended December 31, 2001 to \$248,000 for the year ended December 31, 2002. This change in interest income was primarily due to interest earned on a federal income tax refund paid during 2001 by the Canadian taxing authorities.

*Other Expense, net.* Other expense, net of \$400,000 for the year ended December 31, 2002, declined \$29,000, or 7%, compared to the year ended December 31, 2001. The change relates primarily to foreign currency transaction gains and losses incurred through our operations in the United Kingdom and Canada.

*Provision for Income Taxes.* Income tax expense for the year ended December 31, 2002 decreased \$2.2 million, or 56%, to \$1.7 million from \$3.9 million for the year ended December 31, 2001. This decline in income tax expense was primarily due to a decrease in income before income taxes, which was \$5.6 million for the year ended December 31, 2002 as compared to \$9.3 million for the year ended December 31, 2001. The decrease in the effective tax rate from 42.1% for the year ended December 31, 2001 to 30.5% for the year ended December 31, 2002, was due primarily to no longer recognizing non-deductible goodwill amortization expense, as per SFAS No. 142, adopted January 1, 2002.

### **Year Ended December 31, 2001 Compared to Year Ended December 31, 2000**

*Revenues.* Revenues for the year ended December 31, 2001 increased \$62.0 million, or 28%, to \$286.6 million, from \$224.6 million for the year ended December 31, 2000. The following table summarizes revenues by business segment for the years ended December 31, 2001 and 2000, respectively:

<u>Revenues:</u>	<u>For the Year Ended December 31,</u>		<u>Change</u>	
	<u>2001</u>	<u>2000</u>	<u>Dollars</u>	<u>Percentage</u>
	(in thousands, except percentages)			
North American Operations . . . . .	\$145,147	\$119,689	\$25,458	21%
Engineered Systems . . . . .	99,021	67,803	31,218	46
Automation and Control Systems . . . . .	47,693	42,761	4,932	12
Corporate and Inter-segment Eliminations . . . . .	(5,279)	(5,701)	422	7
Total . . . . .	<u>\$286,582</u>	<u>\$224,552</u>	<u>\$62,030</u>	28%

Revenues from our North American operations business segment for the year ended December 31, 2001 increased \$25.5 million, or 21%, to \$145.1 million from \$119.7 million for the year ended December 31, 2000. This increase was due to an increase in oilfield activity during fiscal 2000 through mid-2001 as a result of favorable oil and gas prices. Although oil and gas prices began to decline in late 2001, demand remained high for our traditional equipment and finished goods. We also experienced increased demand for our domestic and export parts and service business and our CO<sub>2</sub> gas-processing and field services business. Partially offsetting these increases was a decline in revenues of \$8.1 million provided by our Canadian affiliate, as large projects were completed in fiscal 2000 and several planned projects for fiscal 2001 were delayed. Inter-segment revenues for this business segment were approximately \$781,000 and \$1.3 million for the years ended December 31, 2001 and 2000, respectively.

Revenues from our engineered systems business segment for the year ended December 31, 2001 increased \$31.2 million, or 46%, to \$99.0 million from \$67.8 million for the year ended December 31, 2000. This increase was primarily due to the acquisition of Axsia in March 2001, which contributed revenues of \$58.1 million for the year ended December 31, 2001. This increase was partially offset by a decline in revenues earned under the CTOC project, which contributed \$45.9 million in revenues for the year ended December 31, 2000, as compared to only \$10.9 million for the year ended December 31, 2001. Excluding the impact of the Axsia acquisition and the CTOC project, revenues for this business segment increased \$8.1 million during fiscal 2001 as compared to fiscal 2000, due primarily to export projects including a number of projects in South America. Engineered systems revenues of \$99.0 million for the year ended December 31, 2001 included inter-segment revenues of \$748,000, as compared to \$268,000 of inter-segment revenues for the year ended December 31, 2000.

Revenues from our automation and control systems business segment for the year ended December 31, 2001 increased \$4.9 million, or 12%, to \$47.7 million from \$42.8 million for the year ended December 31, 2000. The increase was due to higher demand for our control equipment, especially equipment provided for deep-water projects, and an increase in field services performed for our customers. Inter-segment revenues declined from \$4.1 million for the year ended December 31, 2000 to \$3.8 million for the year ended December 31, 2001.

The change in revenues for corporate and inter-segment eliminations represents the elimination of inter-segment revenues as discussed above.

*Gross Profit.* Gross profit for the year ended December 31, 2001 increased \$14.3 million, or 23%, to \$76.1 million from \$61.8 million for the year ended December 31, 2000. As a percentage of revenue, gross margins declined from 28% for the year ended December 31, 2000 to 27% for the year ended December 31, 2001. The following table summarizes gross profit by business segment for the years ended December 31, 2001 and 2000, respectively:

<u>Gross Profit:</u>	<u>For the Year Ended December 31,</u>		<u>Change</u>	
	<u>2001</u>	<u>2000</u>	<u>Dollars</u>	<u>Percentage</u>
	(in thousands, except percentages)			
North American Operations .....	\$35,475	\$28,609	\$ 6,866	24%
Engineered Systems .....	31,221	24,362	6,859	28
Automation and Control Systems .....	9,374	8,824	550	6
Total .....	<u>\$76,070</u>	<u>\$61,795</u>	<u>\$14,275</u>	23%

Gross profit from our North American operations business segment for the year ended December 31, 2001 increased \$6.9 million, or 24%, to \$35.5 million from \$28.6 million for the year ended December 31, 2000. This increase in margin was primarily due to a 21% increase in revenues from this segment and improved margins on export parts and services and traditional finished goods. As a percentage of revenue, gross margins for the segment were consistent at 24% for the years ended December 31, 2001 and 2000.

Gross profit from our engineered systems business segment for the year ended December 31, 2001 increased \$6.9 million, or 28%, to \$31.2 million from \$24.4 million for the year ended December 31, 2000. This increase was due primarily to the acquisition of Axsia in March 2001, partially offset by lower margin projects included in the sales mix for 2001 as compared to 2000. Excluding the impact of Axsia and the CTOC project, gross margin increased \$1.5 million related primarily to export projects. As a percentage of revenue, gross margins for this segment were 32% and 36% for the years ended December 31, 2001 and 2000, respectively.

Gross profit from our automation and control systems business segment for the year ended December 31, 2001 increased \$550,000, or 6%, to \$9.4 million from \$8.8 million for the year ended December 31, 2000. This margin improvement was due to an increase in demand for electrical equipment which resulted in an increase in segment revenues of 12%, partially offset by a shift from higher margin quote jobs to time and materials jobs during fiscal 2001 as compared to fiscal 2000. As a percentage of revenue, gross margins for this segment were 20% and 21% for the years ended December 31, 2001 and 2000, respectively.

*Selling, General and Administrative Expense.* Selling, general and administrative expense for the year ended December 31, 2001 increased \$12.0 million, or 30%, to \$51.5 million from \$39.4 million for the year ended December 31, 2000. This increase was largely related to the execution of our business plan and included:

- additional costs associated with the acquisition of Axsia;
- additional costs associated with the start-up of the Singapore and Mexico offices;
- increased spending for technology and product development; and
- additional costs associated with employee medical claims.

*Depreciation and Amortization Expense.* Depreciation and amortization expense for the year ended December 31, 2001 increased \$3.0 million, or 59%, to \$8.1 million from \$5.1 million for the year ended December 31, 2000. Depreciation expense for the year ended December 31, 2001 increased \$991,000, or 32%, to \$4.1 million from \$3.1 million for the year ended December 31, 2000. This increase was primarily due to the inclusion of depreciation expense on assets acquired through the purchase of Axsia in March 2001, and depreciation on assets placed in service during fiscal 2001. Amortization expense for the year ended December 31, 2001 increased \$2.0 million, or 102%, to \$4.0 million from \$2.0 million for the year ended December 31, 2000. This increase was primarily due to amortization of goodwill associated with the Axsia acquisition in March 2001.

*Closure and Other.* Closure and other charges for the year ended December 31, 2001 increased \$72,000, or 5%, to \$1.6 million from \$1.5 million for the year ended December 31, 2000. The charge for fiscal 2001 included \$920,000 related to certain restructuring costs to streamline activities and consolidate offices in connection with the acquisition of Axsia in March 2001, and an additional \$680,000 related to our decision to withdraw a private debt offering. The charge for fiscal 2000 was primarily for compensation expense associated with the employment agreement of an executive officer. The terms of the agreement entitled the officer to a sum equal to an outstanding note and accrued interest, totaling \$1.2 million at December 31, 1999, upon the sale of the Company's Class A common stock in an initial public offering. NATCO completed its initial public offering on January 27, 2000, and, pursuant to the terms of the agreement, we recorded compensation expense for the amount of the note and accrued interest, including related payroll burdens, totaling \$1.3 million. In addition, we recorded relocation expenses totaling \$208,000 associated with the consolidation of two facilities following the acquisition of Porta-Test in January 2000.

*Interest Expense.* Interest expense for the year ended December 31, 2001 increased \$3.4 million, or 211%, to \$5.0 million from \$1.6 million for the year ended December 31, 2000. This increase was due to borrowings of \$50.0 million under a term loan arrangement to finance the purchase of Axsia, additional borrowings under revolving credit facilities during fiscal 2001 as compared to fiscal 2000, an increase in commitment fees under borrowing arrangements and an increase in interest incurred for letter of credit arrangements due to an increase in overall letters of credit outstanding.

*Interest Cost on Postretirement Benefit Liability.* Interest cost on postretirement benefit liability decreased \$399,000, or 31%, from \$1.3 million for the year ended December 31, 2000 to \$888,000 for the year ended December 31, 2001. This decrease in interest cost was due to an amendment to the plan that provides medical and dental coverage to retirees of a predecessor company. Under the amended plan, retirees will bear more cost for coverages, thereby reducing our projected liability and the related interest cost.

*Interest Income.* Interest income increased \$479,000, or 265%, from \$181,000 for the year ended December 31, 2000 to \$660,000 for the year ended December 31, 2001. This increase in interest income was primarily due to interest earned on a federal income tax refund paid during 2001 by the Canadian taxing authorities.

*Other Expense, net.* Other expense, net of \$429,000 for the year ended December 31, 2001 relates primarily to foreign currency transaction gains and losses incurred primarily at Axsia, and certain costs to exit derivative arrangements acquired with the purchase of Axsia in March 2001.

*Provision for Income Taxes.* Income tax expense for the year ended December 31, 2001 decreased \$1.5 million, or 27%, to \$3.9 million from \$5.3 million for the year ended December 31, 2000. This decline in income tax expense was primarily due to a decrease in income before income taxes, which was \$9.3 million for the year ended December 31, 2001 as compared to \$13.0 million for the year ended December 31, 2000. This decrease in income tax expense was partially offset by an increase in the effective tax rate from 41.1% to 42.1% for the years ended December 31, 2000 and 2001, respectively, primarily due to the impact of non-deductible goodwill amortization expense.

## Liquidity and Capital Resources

As of February 28, 2003, we had cash and working capital of \$2.6 million and \$47.1 million, respectively. As of December 31, 2002, we had cash and working capital of \$1.7 million and \$34.6 million, respectively, as compared to \$3.1 million and \$37.1 million at December 31, 2001, respectively.

Net cash provided by (used in) operating activities for the years ended December 31, 2002, 2001 and 2000 was \$9.7 million, \$19.3 million and (\$6.3) million, respectively. The decrease in net cash provided by operating activities for fiscal 2002 was primarily due to lower net income, as well as an increase in accounts receivable and a decrease in customer advance payments, partially offset by a decline in inventory levels.

Net cash used in investing activities for the years ended December 31, 2002, 2001 and 2000 was \$5.6 million, \$57.7 million and \$23.6 million, respectively. The primary use of funds for the year ended December 31, 2002 was for capital expenditures of \$5.3 million, which included an expansion of our gas-processing facility in the Sacroc field. The primary use of funds for the year ended December 31, 2001 was the acquisition of Axsia, which required the use of \$48.3 million, and capital expenditures of \$10.0 million, which included the purchase of a shop facility in Magnolia, Texas, expansion of and improvement to our facilities in New Iberia, Louisiana, and improvements to our Sacroc gas-processing plant in west Texas. Funds for the Axsia acquisition were borrowed under a \$50.0 million term loan facility. Capital expenditures for fiscal 2001 were financed with borrowings under our revolving credit facility and cash generated from current operations. The primary use of funds for the year ended December 31, 2000 was the acquisitions of Porta-Test, MPE and ESI, which required the use of \$17.1 million, and capital expenditures of \$8.1 million. These capital expenditures consisted primarily of renovations and expansions of manufacturing plants, technological improvements to management information systems and acquisitions of and improvements to other equipment, including an upgrade to the membrane manufacturing facility in Pittsburg, California. Funds for the Porta-Test acquisition in January 2000 were borrowed from our revolving credit facility. These funds were repaid during February 2000 with the proceeds from our initial public offering. Funds for the MPE acquisition in February 2000 were also provided by our initial public offering. The ESI acquisition was financed with net borrowings of \$7.1 million under the revolving credit facilities.

Net cash provided by (used in) financing activities for the years ended December 31, 2002, 2001 and 2000 was (\$5.4) million, \$41.1 million and \$29.7 million, respectively. The primary use of funds for financing activities for the year ended December 31, 2002 was the repayment of long-term debt of \$7.1 million and benefit payments under our postretirement benefit plan of \$1.9 million, partially offset by long-term borrowings of \$1.5 million and a \$1.9 million increase in bank overdrafts. The primary source of funds for financing activities during the year ended December 31, 2001, was borrowings of \$50.0 million under the term loan facility, partially offset by principal repayments of \$5.3 million under the term loan facility, net repayments of \$747,000 under the revolving credit facility, payments on postretirement benefit liability of \$1.8 million and repayment of short-term notes of \$1.0 million. The primary source of funds for financing activities during the year ended December 31, 2000 was our initial public offering of common stock, which provided net proceeds of \$46.7 million. These proceeds were used primarily to retire \$27.9 million of outstanding debt under a term loan arrangement, to repay \$3.0 million borrowed under the revolving credit agreement for the purchase of Porta-Test, and to repay \$2.9 million of debt assumed in the acquisitions of Porta-Test and MPE.

We maintain revolving credit and term loan facilities, as well as a working capital facility for export sales. The term loan provides for up to \$50.0 million of borrowings and the revolving credit facilities provide for up to \$30.0 million of borrowings in the United States, up to \$10.0 million of borrowings in Canada and up to \$10.0 million of borrowings in the United Kingdom, subject to borrowing base limitations. The term loan matures on March 15, 2006, and each of the revolving facilities matures on March 15, 2004. At December 31, 2002, we had borrowings outstanding under the term loan facility of \$37.8 million and borrowings of \$9.0 million outstanding under the revolving credit facility and had issued \$17.4 million in outstanding letters of credit under this facility. Amounts borrowed under the term loan portion of this facility currently bear interest at a rate of 4.21% per annum. Amounts borrowed under the revolving portion of this facility bear interest at a rate based upon the ratio of funded debt to EBITDA, as defined in the credit facility

(“EBITDA”), and ranging from, at our election, (1) a high of LIBOR plus 2.50% to a low of LIBOR plus 1.75% or (2) a high of a base rate plus 1.0% to a low of a base rate plus 0.25%.

We will pay commitment fees of 0.30% to 0.50% per year, depending upon the ratio of funded debt to EBITDA on the undrawn portion of the facility.

In July 2002, our lenders approved the amendment of various provisions of the term loan and revolving credit facility agreement, effective April 1, 2002. This amendment allowed for future capital investment in our CO<sub>2</sub> gas-processing facility at Sacroc in west Texas, and revised certain debt covenants, modified certain defined terms, increased the aggregate amount of operating lease expense allowed during a fiscal year and permitted an increase in borrowings under the export sales credit facility, without further consent, up to a maximum of \$20.0 million. These modifications will result in higher commitment fee percentages and interest rates if the funded debt to EBITDA ratio exceeds 3 to 1.

The revolving credit and term loan facility is guaranteed by all of our domestic subsidiaries and is secured by a first priority lien on all inventory, accounts receivable and other material tangible and intangible assets. In addition, we have pledged 65% of the voting stock of our active foreign subsidiaries. The revolving credit and term loan facility contains restrictive covenants which, among other things, limit the amount of funded debt to EBITDA, imposes a minimum fixed charge coverage ratio, a minimum asset coverage ratio and a minimum net worth requirement. As of December 31, 2002, we were in compliance with all debt covenants. The weighted average interest rate of our borrowings under the term loan and revolving credit agreement on that date was 4.26%.

The export sales credit facility provides for aggregate borrowings of \$10.0 million, subject to borrowing base limitations, of which \$4.3 million was outstanding as of December 31, 2002. In addition, we had issued letters of credit totaling \$720,000 under the export facility as of that date. The export sales credit facility is secured by specific project inventory and receivables and is partially guaranteed by the Export-Import Bank of the United States. The export sales credit facility loans mature in July 2004.

We borrowed \$1.5 million under a long-term promissory note arrangement on February 6, 2002. This note accrues interest at the 90-day LIBOR plus 3.25% per annum, and requires quarterly payments of principal of approximately \$24,000 and interest for five years beginning May 2002. This promissory note is collateralized by our manufacturing facility in Magnolia, Texas that we purchased in the fourth quarter of 2001.

We had unsecured letters of credit totaling \$432,000 at December 31, 2002.

At January 31, 2003, borrowing base limitations reduced our available borrowing capacity under the revolving credit facilities to \$24.3 million. No borrowing capacity was available under our export sales credit facility.

## Commitments and Contingencies

The following table summarizes our known contractual obligations as of December 31, 2002.

<u>Contractual Obligations</u>	<u>Payments due by Period</u>				
	<u>Total</u>	<u>Less than 1 year</u>	<u>1-3 years</u>	<u>3-5 years</u>	<u>More than 5 years</u>
			(in thousands)		
Long-Term Obligations . . . . .	\$52,354	\$ 7,097	\$27,409	\$17,848	—
Capital (Finance) Lease Obligations (1) . . .	—	—	—	—	—
Operating Lease Obligations (2) . . . . .	15,550	4,038	4,235	1,964	5,313
Purchase Obligations (1) . . . . .	—	—	—	—	—
Other Long-Term Liabilities (3) . . . . .	12,718	1,909	3,818	3,818	3,173
Total . . . . .	<u>\$80,622</u>	<u>\$13,044</u>	<u>\$35,462</u>	<u>\$23,630</u>	<u>\$8,486</u>

- (1) We have no capital lease arrangements or significant firm purchase commitments as of December 31, 2002.
- (2) Operating lease obligations for periods that exceed five years primarily include costs associated with the usage of waterways in the United Kingdom, which have lease terms that extend up to 125 years. If the property were sold or sublet to a new tenant, these lease arrangements would be fully transferable.
- (3) Other long-term liabilities represent our postretirement benefit obligation as of December 31, 2002. Benefit payments associated with the obligation were estimated based upon actual experience for the year ended December 31, 2002. Changes in actuarial assumptions or medical trend rates in subsequent years could cause our liability under this postretirement benefit plan to change.

The Porta-Test purchase agreement, executed in January 2000, contains a provision to calculate a payment to certain former stockholders of Porta-Test Systems, Inc. for a three-year period ended January 23, 2003, based upon sales of a limited number of specified products designed by or utilizing technology that existed at the time of the acquisition. Liability under this arrangement is contingent upon attaining certain performance criteria, including gross margins and sales volumes for the specified products. If applicable, payment is required annually. In April 2001, we paid \$226,000 under this arrangement related to the year ended January 23, 2001. In August 2002, the Company paid \$197,000 under this arrangement related to the year ended January 23, 2002, resulting in an increase in goodwill. No liability was accrued under this arrangement for the years ended January 23, 2003 and 2002.

We have no special purpose entities or unconsolidated affiliates or partnerships.

On March 13, 2003, we executed an agreement to issue 15,000 shares of our Series B Convertible Preferred Stock along with warrants to purchase 248,800 shares of our common stock to Lime Rock Partners II, L.P., a private investment fund, for an aggregate purchase price of \$15.0 million. Of the aggregate purchase price, approximately \$99,000 will be allocated to the warrants, and we will amortize this discount over three years. The proceeds from the issuance will be used to reduce our outstanding revolving debt balances and for general corporate purposes. This transaction is expected to close prior to the end of March 2003.

Each share of Series B Convertible Preferred Stock has a face value of \$1,000 and pays a cumulative dividend of 10% per annum of face value, which is payable semi-annually on June 15 and December 15 of each year. Each share of Series B Convertible Preferred Stock is convertible, at the option of the holder thereof, into (i) a number of shares of common stock equal to the face value of such share divided by the conversion price, which is \$7.805, and (ii) a cash payment equal to the amount of dividends on such share that have accrued since the prior semi-annual dividend payment date. The warrants that will be issued to Lime Rock have an exercise price of \$10.00 per share of common stock and expire on the third anniversary of its issuance. We can force exercise of the warrants if our stock price trades above \$13.50 per share for 30 consecutive days. We estimate that accounting for issuance of the preferred shares will lower our earnings by \$0.05 per diluted share in 2003 relative to what earnings might otherwise have been.

Although no assurances can be given, we believe that our operating cash flow, supported by our borrowing capacity and additional financing obtained for capital investment, will be adequate to fund operations for at least the next twelve months. Should we decide to pursue acquisition opportunities, the determination of our ability to finance these acquisitions will be a critical element of the analysis of the opportunity. Although we were in compliance with existing restrictive loan covenants as of December 31, 2002 and expect to continue to be in compliance, there can be no assurance we will remain in compliance in future periods and, therefore, we may be required to request amendments or waivers of some or all of these covenants in the future. We believe these amendments or waivers can be obtained, if necessary, on reasonable terms.

### **Related Party Transactions**

We do not own a minority interest in or guarantee obligations for any related party. There are no debt obligations of related parties for which we have responsibility but were not reported in our balance sheet.

We pay Capricorn Management, G.P., an affiliate company of Capricorn Holdings, Inc., for administrative services, which included office space and parking in Connecticut for our Chief Executive Officer, reception, telephone, computer services and other normal office support relating to that space. Mr. Herbert S. Winokur, Jr., one of our directors, is the Chairman and Chief Executive Officer of Capricorn Holdings, Inc., and the Managing Partner of Capricorn Holdings LLC, the general partner of Capricorn Investors II, L.P., a private investment partnership, and directly or indirectly controls approximately 31% of our outstanding common stock. In addition, our Chief Executive Officer, Mr. Gregory, is a non-salaried member of Capricorn Holdings LLC. Capricorn Investors II, L.P. controls approximately 20% of our common stock. Fees paid to Capricorn Management totaled \$115,000, \$85,000 and \$75,000 for the years ended December 31, 2002, 2001 and 2000, respectively. Commencing October 1, 2001, the fee increased to \$28,750 quarterly due primarily to an upward adjustment in Capricorn Management's underlying lease for office space; this increase was reviewed and approved by the Audit Committee of our Board of Directors.

Under the terms of an employment agreement in effect prior to 1999, we loaned our Chief Executive Officer \$1.2 million in July 1999 to purchase 136,832 shares of common stock. During February 2000, after we completed the initial public offering of our Class A common stock, also pursuant to the terms of that employment agreement, we paid this executive officer a bonus equal to the principal and interest accrued under this note arrangement and recorded compensation expense of \$1.3 million. The officer used the proceeds of this settlement, net of tax, to repay us approximately \$665,000. In addition, on October 27, 2000, our board of directors agreed to provide a full recourse loan to this executive officer to facilitate the exercise of certain outstanding stock options. The amount of the loan was equal to the cost to exercise the options plus any personal tax burdens that resulted from the exercise. The maturity of these loans was July 31, 2003, and interest accrued at rates ranging from 6% to 7.8% per annum. As of June 30, 2002, these outstanding notes receivable totaled \$3.4 million, including principal and accrued interest. Effective July 1, 2002, the notes were reviewed by our board and amended to extend the maturity dates to July 31, 2004, and to require interest to be calculated at an annual rate based on LIBOR plus 300 basis points, adjusted quarterly, applied to the notes balances as of June 30, 2002, including previously accrued interest. As of December 31, 2002, the balance of the notes (principal and accrued interest) due from this officer under these loan arrangements was \$3.5 million. These loans to this executive officer, which were made on a full recourse basis in prior periods to facilitate direct ownership of our common stock, are currently subject to and in compliance with provisions of the Sarbanes-Oxley Act of 2002.

As previously agreed in 2001, we loaned an employee who is an executive officer and director \$216,000 on April 15, 2002, under a full-recourse note arrangement which accrues interest at 6% per annum and matures on July 31, 2003. The funds were used to pay the exercise cost and personal tax burdens associated with stock options exercised during 2001. Effective July 1, 2002, the note was amended to extend the maturity date to July 31, 2004, and to require interest to be calculated at an annual rate based on LIBOR plus 300 basis points, adjusted quarterly, applied to the note balance as of June 30, 2002, including previously accrued interest. As of December 31, 2002, the balance of the note (principal and interest) due from this officer under this loan arrangement was approximately \$223,000. This loan to this executive officer, which was made on a full

recourse basis in prior periods to facilitate direct ownership of our common stock, is currently subject to and in compliance with provisions of the Sarbanes-Oxley Act of 2002.

During 1997, we loaned \$1.5 million (at a rate of 10% per annum) to one of our directors who was also an affiliate of Capricorn Holdings, Inc. In March 1998, the related promissory note was amended to change the interest rate to 11% per annum. The principal was due on the date on which Capricorn Investors, L.P. distributed its holding of our common stock to its partners. During 1998, we acquired an option at a cost of \$200,000 to purchase 173,050 shares of our common stock from the director at a price of \$8.81 per share. At our option, the note could be repaid with shares of our common stock. The cost to acquire the option was recorded as treasury stock in the accompanying consolidated balance sheet. A note arrangement with a director, recorded as a \$1.9 million current asset at December 31, 1999, was partially settled during February 2000, when we exercised an option to purchase 173,050 shares of our common stock from this director at a cost of \$1.5 million. The remaining balance of the note was repaid during June 2000.

During December 1999, we assumed the postretirement pension liability of a former affiliate, W.S. Tyler Incorporated (“Tyler”). In February 2000, we received \$600,000 from Tyler as settlement of an agreement entered into between Tyler, Capricorn Investors L.P. and us, whereby we assumed responsibility for the retired employee health and life insurance obligations of Tyler. See Note 15, Pension and Other Postretirement Benefits.

### **Inflation and Changes in Prices**

The costs of materials (*e.g.*, steel) for our products rise and fall with their value in the commodity markets. Generally, increases in raw materials and labor costs are passed on to our customers. However, current economic and political unrest in Venezuela has increased inflation and affected our operations in that country. Since revenues earned in Venezuela during 2002 represented less than 1% of our total revenues, our exposure to this increase in inflation was not significant.

### **Recent Accounting Pronouncements**

In June 2001, the Financial Accounting Standards Board (“FASB”) approved SFAS No. 141, “Business Combinations.” This standard requires that any business combination initiated after June 30, 2001 be accounted for using the purchase method of accounting. This standard became effective on July 1, 2001. We adopted this standard on July 1, 2001, with no material effect on our financial condition or results of operations.

The FASB approved SFAS No. 142, “Goodwill and Other Intangible Assets” in June 2001. This pronouncement requires that intangible assets with indefinite lives, including goodwill, cease being amortized and be evaluated for impairment on an annual basis. Intangible assets with a defined term, such as patents, would continue to be amortized over the useful life of the asset. We adopted SFAS No. 142 on January 1, 2002, and continued to amortize certain net assets totaling \$1.6 million at December 31, 2002, and recorded amortization and interest expense related to those assets of \$840,000 for the year ended December 31, 2002. We ceased periodic amortization of goodwill on the date of adoption. Net goodwill at December 31, 2002 was \$79.0 million. The pro forma impact of applying SFAS No. 142 to operating results for the years ended December 31, 2001 and 2000, would have been a reduction in amortization expense of \$3.7 million and \$1.6 million, respectively, resulting in net income of \$9.0 million and \$9.3 million, respectively. The pro forma increase in basic and diluted earnings per share would have been \$.23 and \$.23, respectively, for 2001, and \$.11 and \$.10, respectively, for 2000.

In accordance with SFAS No. 142, we tested goodwill for impairment as of December 31, 2002. Based upon the testing performed, we determined that goodwill was not impaired as of December 31, 2002. Therefore, no impairment charge was recorded under SFAS No. 142 as of December 31, 2002. Goodwill will be tested for impairment annually on December 31.

In June 2001, the FASB issued SFAS No. 143, “Accounting for Asset Retirement Obligations.” This standard requires us to record the fair value of an asset retirement obligation as a liability in the period in

which we incur a legal obligation associated with the retirement of tangible long-lived assets that result from acquisition, construction, development and/or normal use of the assets. In addition, the standard requires us to record a corresponding asset that will be depreciated over the life of the asset that gave rise to the liability. Subsequent to the initial measurement of this asset retirement obligation, we will be required to adjust the liability at the end of each period to reflect changes in estimated retirement cost and the passage of time. We are required to adopt this pronouncement on January 1, 2003. The provisions of this pronouncement will require us to record certain retirement obligations during the first quarter of 2003. We are currently determining the impact that this pronouncement will have on our financial condition and results of operations.

In October 2001, the FASB issued SFAS No. 144, "Accounting for the Impairment or Disposal of Long-Lived Assets." This statement replaces SFAS No. 121, "Accounting for the Impairment of Long-Lived Assets and for Long-Lived Assets to be Disposed Of," and standardizes the accounting model to be used for asset dispositions and related implementation issues. This pronouncement became effective for financial statements issued for fiscal years beginning after December 15, 2001. We adopted this pronouncement on January 1, 2002, resulting in an immaterial impact on our financial condition or results of operations.

In April 2002, the FASB issued SFAS No. 145, "Rescission of FASB Statements No. 4, 44 and 64, Amendment of FASB Statement No. 13 and Technical Corrections." This statement amends existing guidance on reporting gains and losses on extinguishment of debt, prohibiting the classification of the gain or loss as extraordinary. SFAS No. 145 also amends SFAS No. 13 to require sale-leaseback accounting for certain lease modifications that have economic effects similar to sale-leaseback arrangements. The provisions of the Statement related to the rescission of Statement No. 4 will be applied for the fiscal year beginning after May 14, 2002, with early adoption encouraged. The provisions of the Statement related to Statement No. 13 were effective for transactions occurring after May 15, 2002, with early adoption encouraged. SFAS No. 145 has been adopted with respects to the revision of Statement No. 13 on May 15, 2002, and will be adopted on January 1, 2003, with respect to the amendment of SFAS No. 4. However, the adoption of SFAS No. 145 is not expected to have a material effect on our financial condition or results of operations.

In June 2002, the FASB issued SFAS No. 146, "Accounting for Exit or Disposal Activities," which addresses financial accounting and reporting for costs associated with exit and disposal activities, including restructuring activities that are currently accounted for pursuant to the guidance set forth in EITF Issue No. 94-3, "Liability Recognition for Certain Employee Termination Benefits and Other Costs to Exit an Activity." SFAS No. 146 is effective for exit or disposal activities that are initiated after December 31, 2002, with early adoption encouraged. The provisions of this pronouncement will be applied to any exit or disposal activities on or after January 1, 2003. However, we do not expect this pronouncement to have a material effect on our financial condition or results of operations.

In November 2002, the FASB issued Interpretation No. 45, "Guarantor's Accounting and Disclosure Requirements for Guarantees, Including Indirect Guarantees of Indebtedness to Others, an interpretation of FASB Statements No. 5, 57 and 107 and a rescission of FASB Interpretation No. 34." This interpretation elaborates on the disclosures to be made by a guarantor in its interim and annual financial statements about its obligations under guarantees issued. The interpretation also clarifies that a guarantor is required to recognize, at the inception of a guarantee, a liability for the fair value of the obligation taken. The initial recognition and measurement provisions of the interpretation are applicable to guarantees issued or modified after December 31, 2002. We do not expect this interpretation to have a material impact on our financial condition or results of operations.

In December 2002, the FASB issued SFAS No. 148, "Accounting for Stock-Based Compensation—Transition and Disclosure, an amendment to FASB Statement No. 123." This statement amends FASB Statement No. 123, "Accounting for Stock-Based Compensation," to provide alternative methods to transition, on a volunteer-basis, to the fair value method of accounting for stock-based employee compensation. Additionally, this statement amends the disclosure requirements of SFAS No. 123 to require prominent disclosures in both annual and interim financial statements. Certain disclosure modifications are required for fiscal years ending after December 15, 2002, if a transition to SFAS No. 123 is elected. We have not yet elected to transition to SFAS No. 123 as of December 31, 2002.

**Item 7A. *Quantitative and Qualitative Disclosures About Market Risk***

Our operations are conducted around the world in a number of different countries. Accordingly, our earnings are exposed to changes in foreign currency exchange rates. The majority of our foreign currency transactions relate to operations in Canada and the U.K. At NATCO Canada, most contracts are denominated in Canadian dollars, and most of the costs incurred are in Canadian dollars, thereby mitigating risks associated with currency fluctuations. At Axsia, which is our U.K.-based operation acquired in March 2001, many contracts are denominated in U.S. dollars, and occasionally in euros, whereas most of the costs may be in British pounds sterling. Consequently, we have some currency risk in our U.K. operations. Prior to the date of acquisition, Axsia had entered into certain forward contract arrangements whereby it sold U.S. dollars for future delivery at a specified strike price, in order to hedge exposure to currency fluctuations on contracts denominated in U.S. dollars. During the third and fourth quarters of 2001, we paid approximately \$249,000 to terminate these forward contracts. No forward contracts or other derivative arrangements existed at December 31, 2002, and we do not currently intend to enter into new forward contracts or other derivative arrangements as part of our currency risk management strategy.

Our financial instruments are subject to changes in interest rates, including our revolving credit and term loan facility, our working capital facility for export sales and our long-term facility secured by our Magnolia manufacturing plant. At December 31, 2002, we had \$37.8 million outstanding under the term loan portion of the revolving credit and term loan facility. At December 31, 2002, outstanding borrowings under our revolving credit agreement totaled \$9.0 million. Borrowings under our revolving credit agreement bear interest at floating rates. As of December 31, 2002, the weighted average interest rate of borrowings under the revolving credit and term loan facility was 4.26%. Borrowings outstanding under the export sales credit facility were \$4.3 million at December 31, 2002, and bore interest at 4.25%. Borrowing under the long-term arrangement secured by our Magnolia manufacturing facility totaled \$1.4 million at December 31, 2002, and accrued interest at 4.65%.

Based on past market movements and possible near-term market movements, we do not believe that potential near-term losses in future earnings, fair values or cash flows from changes in interest rates are likely to be material. Assuming our current level of borrowings, as of December 31, 2002, a 100 basis point increase in interest rates under these borrowings would decrease our current year net income and cash flow from operations by approximately \$364,000. This calculation assumes no action on our part to mitigate our exposure. Furthermore, this calculation does not consider the effects of a possible change in the level of overall economic activity that could exist in such an environment.

**Item 8. *Financial Statements and Supplementary Data***

To follow are our consolidated financial statements for the years ended December 31, 2002, 2001 and 2000, as applicable, along with the Independent Auditors' report:

## INDEPENDENT AUDITORS' REPORT

The Board of Directors  
NATCO Group Inc.:

We have audited the accompanying consolidated balance sheets of NATCO Group Inc. and subsidiaries as of December 31, 2002 and 2001, and the related consolidated statements of operations, stockholders' equity and comprehensive income, and cash flows for each of the three years ended December 31, 2002. These consolidated financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on these consolidated financial statements based on our audits.

We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of NATCO Group Inc. and subsidiaries as of December 31, 2002 and 2001 and the results of their operations and their cash flows for each of the three years ended December 31, 2002, in conformity with accounting principles generally accepted in the United States of America.

As discussed in Note 2 to the consolidated financial statements, effective January 1, 2002, the Company adopted the provisions of Statement of Financial Accounting Standards (SFAS) No. 142, "Goodwill and Other Intangible Assets," as required. As discussed in Note 14 to the Consolidated Financial Statements, the Company changed its method of accounting for postretirement benefits in January 2000.

KPMG LLP

Houston, Texas  
February 19, 2003

**NATCO GROUP INC. AND SUBSIDIARIES**

**CONSOLIDATED BALANCE SHEETS**  
(in thousands, except share data)

	<u>December 31,</u> <u>2002</u>	<u>December 31,</u> <u>2001</u>
<b>ASSETS</b>		
Current assets:		
Cash and cash equivalents .....	\$ 1,689	\$ 3,093
Trade accounts receivable, less allowance for doubtful accounts of \$1,028 and \$905 as of December 31, 2002 and 2001, respectively .....	74,677	67,922
Inventories .....	32,400	37,517
Deferred income tax assets, net .....	5,506	3,693
Income tax receivable .....	299	993
Prepaid expenses and other current assets .....	<u>1,806</u>	<u>2,039</u>
Total current assets .....	116,377	115,257
Property, plant and equipment, net .....	31,485	31,003
Goodwill .....	78,977	79,907
Deferred income tax assets, net .....	2,984	4,378
Other assets, net .....	<u>1,772</u>	<u>2,206</u>
Total assets .....	<u><u>\$231,595</u></u>	<u><u>\$232,751</u></u>
<b>LIABILITIES AND STOCKHOLDERS' EQUITY</b>		
Current liabilities:		
Current installments of long-term debt .....	\$ 7,097	\$ 7,000
Notes payable .....	—	—
Accounts payable .....	36,074	30,440
Accrued expenses and other .....	37,243	34,781
Customer advances .....	<u>1,354</u>	<u>5,925</u>
Total current liabilities .....	81,768	78,146
Long-term debt, excluding current installments .....	45,257	51,568
Postretirement and other long-term liabilities .....	<u>12,718</u>	<u>14,107</u>
Total liabilities .....	<u>139,743</u>	<u>143,821</u>
Stockholders' equity:		
Preferred stock \$.01 par value. 5,000,000 shares authorized; no shares outstanding .....	—	—
Class A Common stock, \$.01 par value. Authorized 45,000,000 shares; issued and outstanding 15,803,797 and 15,469,078 shares as of December 31, 2002 and 2001, respectively .....	158	155
Class B Common stock, \$.01 par value. Authorized 5,000,000 shares; issued and outstanding 334,719 shares as of December 31, 2001. ....	—	3
Additional paid-in capital .....	97,223	97,223
Accumulated earnings .....	8,734	4,857
Treasury stock, 795,692 shares at cost as of December 31, 2002 and 2001.....	(7,182)	(7,182)
Accumulated other comprehensive loss .....	(3,395)	(2,858)
Note receivable from officer and stockholder .....	<u>(3,686)</u>	<u>(3,268)</u>
Total stockholders' equity .....	<u>91,852</u>	<u>88,930</u>
Commitments and contingencies		
Total liabilities and stockholders' equity .....	<u><u>\$231,595</u></u>	<u><u>\$232,751</u></u>

See accompanying notes to consolidated financial statements.

**NATCO GROUP INC. AND SUBSIDIARIES**

**CONSOLIDATED STATEMENTS OF OPERATIONS**  
(in thousands, except per share data)

	<u>For the Year ended December 31, 2002</u>	<u>For the Year ended December 31, 2001</u>	<u>For the Year ended December 31, 2000</u>
Revenues . . . . .	\$289,539	\$286,582	\$224,552
Cost of goods sold . . . . .	<u>219,354</u>	<u>210,512</u>	<u>162,757</u>
Gross profit . . . . .	70,185	76,070	61,795
Selling, general and administrative expense . . . . .	53,947	51,471	39,443
Depreciation and amortization expense . . . . .	4,958	8,143	5,111
Closure and other . . . . .	548	1,600	1,528
Interest expense . . . . .	4,527	4,941	1,588
Interest cost on postretirement benefit liability . . . . .	471	888	1,287
Interest income . . . . .	(248)	(660)	(181)
Other expense, net . . . . .	<u>400</u>	<u>429</u>	<u>13</u>
Income from continuing operations before income taxes and change in accounting principle . . . . .	5,582	9,258	13,006
Income tax provision . . . . .	<u>1,705</u>	<u>3,895</u>	<u>5,345</u>
Income before cumulative effect of change in accounting principle . . . . .	3,877	5,363	7,661
Cumulative effect of change in accounting principle (net of income taxes of \$7) . . . . .	<u>—</u>	<u>—</u>	<u>10</u>
Net income . . . . .	<u>\$ 3,877</u>	<u>\$ 5,363</u>	<u>\$ 7,671</u>
Earnings per share—basic:			
Net income before cumulative effect of change in accounting principle . . . . .	\$ 0.25	\$ 0.34	\$ 0.52
Cumulative effect of change in accounting principle . . . . .	<u>—</u>	<u>—</u>	<u>—</u>
Net income . . . . .	<u>\$ 0.25</u>	<u>\$ 0.34</u>	<u>\$ 0.52</u>
Earnings per share—diluted:			
Net income before cumulative effect of change in accounting principle . . . . .	\$ 0.24	\$ 0.34	\$ 0.51
Cumulative effect of change in accounting principle . . . . .	<u>—</u>	<u>—</u>	<u>—</u>
Net income . . . . .	<u>\$ 0.24</u>	<u>\$ 0.34</u>	<u>\$ 0.51</u>
Basic weighted average number of shares of common stock outstanding . . . . .	15,804	15,722	14,653
Diluted weighted average number of shares of common stock outstanding . . . . .	15,920	15,966	15,158

See accompanying notes to consolidated financial statements.

**NATCO GROUP INC. AND SUBSIDIARIES**

**CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITY AND  
COMPREHENSIVE INCOME  
(in thousands, except share data)**

	Common Stock Shares		Common Stock Class		Additional paid-in capital	Accumulated earnings/ (deficit)	Treasury stock	Accumulated other comprehensive loss	Note receivable from stockholder	Total stockholders' equity
	A	B	A	B						
Balances at December 31, 1999.....	8,787,520	825,836	\$ 88	\$ 8	\$43,273	\$(8,177)	\$(4,550)	\$( 886)	\$(1,242)	\$28,514
Issue common stock in connection with initial public offering .....	5,532,904	(354,097)	55	(3)	46,632	—	—	—	—	46,684
Conversion of Class B shares to Class A shares .....	190,010	(190,010)	2	(2)	—	—	—	—	—	—
Issue common stock for acquisition ....	—	418,145	—	4	4,073	—	—	—	—	4,077
Issue treasury shares as partial settlement of a note from director ...	(173,050)	—	(2)	—	—	—	(1,523)	—	—	(1,525)
Treasury shares reacquired .....	(34,000)	—	—	—	—	—	(243)	—	—	(243)
Issue stock subscription note receivable	—	—	—	—	1,260	—	—	—	(1,260)	—
Interest on stock subscription note receivable .....	—	—	—	—	—	—	—	—	(56)	(56)
Receipt for stock subscribed .....	—	—	—	—	—	—	—	—	665	665
Issuances related to benefit plans .....	673,970	—	7	—	1,363	—	—	—	—	1,370
Comprehensive income										
Income before cumulative effect of change in accounting principle ....	—	—	—	—	—	7,661	—	—	—	7,661
Cumulative effect of change in accounting principle .....	—	—	—	—	—	10	—	—	—	10
Foreign currency translation adjustment .....	—	—	—	—	—	—	—	(978)	—	(978)
Total comprehensive income .....	—	—	—	—	—	—	—	—	—	6,693
Balances at December 31, 2000.....	14,977,354	699,874	\$150	\$ 7	\$96,601	\$( 506)	\$(6,316)	\$(1,864)	\$(1,893)	\$86,179
Conversion of Class B shares to Class A shares .....	373,675	(373,675)	4	(4)	—	—	—	—	—	—
Issue common stock for acquisition ....	—	8,520	—	—	85	—	—	—	—	85
Treasury shares reacquired .....	(118,454)	—	(1)	—	—	—	(866)	—	—	(867)
Issue note receivable to stockholder....	—	—	—	—	—	—	—	—	(1,178)	(1,178)
Interest on stock subscription note receivable .....	—	—	—	—	—	—	—	—	(197)	(197)
Issuances related to benefit plans .....	236,503	—	2	—	537	—	—	—	—	539
Comprehensive income										
Net income .....	—	—	—	—	—	5,363	—	—	—	5,363
Foreign currency translation adjustment .....	—	—	—	—	—	—	—	(994)	—	(994)
Total comprehensive income .....	—	—	—	—	—	—	—	—	—	4,369
Balances at December 31, 2001.....	15,469,078	334,719	\$155	\$ 3	\$97,223	\$ 4,857	\$(7,182)	\$(2,858)	\$(3,268)	\$88,930
Conversion of Class B shares to Class A shares .....	334,719	(334,719)	3	(3)	—	—	—	—	—	—
Issue note receivable to stockholder ....	—	—	—	—	—	—	—	—	(216)	(216)
Interest on stock subscription note receivable .....	—	—	—	—	—	—	—	—	(202)	(202)
Comprehensive income										
Net income .....	—	—	—	—	—	3,877	—	—	—	3,877
Foreign currency translation adjustment .....	—	—	—	—	—	—	—	(537)	—	(537)
Total comprehensive income .....	—	—	—	—	—	—	—	—	—	3,340
Balances at December 31, 2002.....	15,803,797	—	\$158	\$—	\$97,223	\$ 8,734	\$(7,182)	\$(3,395)	\$(3,686)	\$91,852

See accompanying notes to consolidated financial statements.

**NATCO GROUP INC. AND SUBSIDIARIES**  
**CONSOLIDATED STATEMENTS OF CASH FLOWS**  
(in thousands)

	For the Year Ended December 31, 2002	For the Year Ended December 31, 2001	For the Year Ended December 31, 2000
Cash flows from operating activities:			
Net income .....	\$ 3,877	\$ 5,363	\$ 7,671
Adjustments to reconcile net income to net cash provided by (used in) operating activities:			
Deferred income tax provision .....	605	(733)	1,611
Depreciation and amortization expense .....	4,958	8,143	5,111
Non-cash interest income .....	(202)	(197)	(85)
Interest cost on postretirement benefit liability .....	471	888	1,287
Loss (gain) on sale of property, plant and equipment .....	124	(141)	(110)
Cumulative effect of change in accounting principle .....	—	—	(10)
Change in assets and liabilities:			
(Increase) decrease in trade accounts receivable .....	(4,904)	19,908	(14,230)
(Increase) decrease in inventories .....	5,305	(8,004)	(6,647)
(Increase) decrease in prepaid and other current assets .....	613	141	(482)
Increase (decrease) in other income taxes .....	720	(826)	633
(Increase) decrease in long-term assets .....	(408)	(1,935)	418
Increase (decrease) in accounts payable .....	3,297	(1,818)	4,221
Decrease in accrued expenses and other .....	(122)	(6,325)	(819)
Increase (decrease) in customer advances .....	(4,594)	4,804	(4,819)
Net cash provided by (used in) operating activities .....	<u>9,740</u>	<u>19,268</u>	<u>(6,250)</u>
Cash flows from investing activities:			
Capital expenditures for property, plant and equipment .....	(5,255)	(10,023)	(8,137)
Proceeds from sales of property, plant and equipment .....	84	268	575
Acquisitions, net of working capital acquired .....	(197)	(48,285)	(17,126)
Issuance of related party note receivable .....	(216)	(1,178)	—
Repayment of related party note receivable .....	—	—	1,059
Proceeds from claim settlement .....	—	1,500	—
Net cash used in investing activities .....	<u>(5,584)</u>	<u>(57,718)</u>	<u>(23,629)</u>
Cash flows from financing activities:			
Change in bank overdrafts .....	1,917	26	2,864
Net borrowing (repayments) under long-term revolving credit facilities .....	(668)	(747)	8,932
Repayment of short-term notes payable .....	—	(1,001)	—
Borrowings of long-term debt .....	1,460	50,000	—
Repayment of long-term debt .....	(7,073)	(5,250)	(27,858)
Issuance of common stock, net .....	—	1	46,894
Net payments on postretirement benefit liability .....	(1,909)	(1,787)	(1,772)
Receipt as partial payment of the net present value of postretirement benefit liability of affiliate .....	—	—	600
Receipt of postretirement benefit cost reimbursement from predecessor company .....	79	79	—
Treasury stock reacquired .....	—	(867)	(243)
Other, principally bank and IPO fees .....	753	659	285
Net cash provided by (used in) financing activities .....	<u>(5,441)</u>	<u>41,113</u>	<u>29,702</u>
Effect of exchange rate changes on cash and cash equivalents .....	(119)	(601)	(539)
Increase (decrease) in cash and cash equivalents .....	(1,404)	2,062	(716)
Cash and cash equivalents at beginning of period .....	3,093	1,031	1,747
Cash and cash equivalents at end of period .....	<u>\$ 1,689</u>	<u>\$ 3,093</u>	<u>\$ 1,031</u>
Cash payments for:			
Interest .....	\$ 2,543	\$ 3,977	\$ 1,061
Income taxes .....	\$ 2,263	\$ 1,791	\$ 1,903
Significant non-cash investing and financing activities:			
Issuance of common stock for acquisition .....	\$ —	\$ 85	\$ 4,077
Debt assumed in acquisition .....	\$ —	\$ —	\$ 2,862
Partial settlement of note arrangement with treasury shares .....	\$ —	\$ —	\$ 1,525
Promissory note issued for business acquisition .....	\$ —	\$ —	\$ 1,026
Related party note receivable issued for stock subscribed ..	\$ —	\$ —	\$ 1,260

See accompanying notes to consolidated financial statements.

## NATCO GROUP INC. AND SUBSIDIARIES

### NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

#### (1) Organization

NATCO Group Inc. was formed in June 1988 by Capricorn Investors, L.P., which led a group of investors who provided capital for the Company to acquire several businesses from Combustion Engineering, Inc. (“C-E”). In June 1989, the Company acquired from C-E all of the outstanding common stock of National Tank Company and certain other businesses that were subsequently divested or distributed to shareholders.

On June 30, 1997, NATCO acquired Total Engineering Services Team, Inc. (“TEST”), and on November 18, 1998, NATCO acquired The Cynara Company (“Cynara”). The Company acquired Porta-Test International, Inc. (“Porta-Test”) on January 24, 2000.

On January 27, 2000, the Company completed an initial public offering of 7,500,000 shares of its Class A common stock at a price of \$10.00 per share (4,053,807 shares issued by the Company and 3,446,193 shares issued by selling stockholders). On February 3, 2000, the underwriter exercised its over-allotment option that resulted in the issuance of 1,125,000 additional shares of Class A common stock.

On February 8, 2000 and April 4, 2000, NATCO acquired Modular Production Equipment, Inc. (“MPE”) and Engineering Specialties, Inc. (“ESI”), respectively.

On March 19, 2001, NATCO acquired Axsia Group Limited (“Axsia”), a privately held process and design company based in the United Kingdom.

The accompanying consolidated financial statements and all related disclosures include the results of operations of the Company and its wholly-owned subsidiaries for the years ended December 31, 2002, 2001 and 2000. Furthermore, certain reclassifications have been made to fiscal 2001 and fiscal 2000 amounts in order to present these results on a comparable basis with amounts for fiscal 2002.

References to “NATCO” and “the Company” are used throughout this document and relate collectively to NATCO Group Inc. and its consolidated subsidiaries.

#### (2) Summary of Significant Accounting Policies

*Principles of Consolidation.* The consolidated financial statements include the accounts of the Company and all of its wholly-owned subsidiaries. Significant inter-company accounts and transactions have been eliminated in consolidation.

*Concentration of Credit Risk.* Concentrations of credit risk with respect to trade receivables are limited due to the large number of customers comprising the Company’s customer base and their geographic dispersion. For the year ended December 31, 2002, one customer, ExxonMobil Corporation and affiliates, through its general contractor, Hyundai Heavy Industries, Co., provided 10% of the Company’s consolidated revenues. No customer provided more than 10% of consolidated revenues for the year ended December 31, 2001. During fiscal 2000, Carigali-Triton Operating Company, SDN BHD (“CTOC”) through its general contractor, Samsung, provided revenues of \$45.9 million or approximately 20% of total revenues, pursuant to a large project awarded in July 1999. No other customer provided more than 10% of revenues for the year ended December 31, 2000. See Note 21, Industry Segments and Geographic Information.

*Cash Equivalents.* The Company considers all highly liquid investment instruments with original maturities of three months or less to be cash equivalents.

*Inventories.* Inventories are stated at the lower of cost or market. Cost is determined using the last in, first out (“LIFO”) method for NATCO domestic inventories, average cost for TEST inventories and the first in, first out (“FIFO”) method for all other inventories.

*Property, Plant and Equipment.* Property, plant and equipment are stated at cost less an allowance for depreciation. Depreciation on plant and equipment is calculated using the straight-line method over the assets' estimated useful lives. Maintenance and repair costs are expensed as incurred; renewals and betterments are capitalized. Upon the sale or retirement of properties, the accounts are relieved of the cost and the related accumulated depreciation, and any resulting profit or loss is included in income. The carrying values of property, plant and equipment by location are reviewed annually and more often if there are indications that these assets may be impaired.

*Goodwill.* Prior to the adoption on January 1, 2002, of Statement of Financial Accounting Standards ("SFAS") No. 142, "Goodwill and Other Intangible Assets", goodwill was being amortized on a straight-line basis over periods of 20 to 40 years. In accordance with SFAS No. 142, the Company ceased amortization of goodwill and began to evaluate goodwill on an impairment basis. Based on this testing, the Company's management believes that no impairment of goodwill exists at December 31, 2002. See Note 23, Goodwill Impairment Testing. Amortization expense for the years ended December 31, 2001 and 2000 was \$3.7 million and \$1.6 million, respectively. Accumulated amortization at December 31, 2002 and 2001 was \$6.4 million.

*Other Assets, Net.* Other assets include prepaid pension assets, patents, long-term deposits, deferred financing costs and covenants not to compete. Deferred financing costs and covenants not to compete are being amortized over the term of the related agreements. Amortization and interest expense was \$840,000, \$932,000 and \$554,000, for the years ended December 31, 2002, 2001 and 2000, respectively.

*Environmental Remediation Costs.* The Company accrues environmental remediation costs based on estimates of known environmental remediation exposure. Such accruals are recorded when the cost of remediation is probable and estimable, even if significant uncertainties exist over the ultimate cost of the remediation. Ongoing environmental compliance costs, including maintenance and monitoring costs, are expensed as incurred.

*Revenue Recognition.* Revenues from significant contracts (NATCO contracts greater than \$250,000 and longer than four months in duration and certain TEST contracts and orders) are recognized on the percentage of completion method. Earned revenue is based on the percentage that incurred costs to date bear to total estimated costs after giving effect to the most recent estimates of total cost. The cumulative impact of revisions in total cost estimates during the progress of work is reflected in the year in which the changes become known. Earned revenue reflects the original contract price adjusted for agreed claims and change order revenues, if any. Losses expected to be incurred on jobs in progress, after consideration of estimated minimum recoveries from claims and change orders, are charged to income as soon as such losses are known. Customers typically retain an interest in uncompleted projects. Other revenues and related costs are recognized when products are shipped or services are rendered to the customer.

*Stock-Based Compensation.* SFAS No. 123, "Accounting for Stock-Based Compensation," permits entities to recognize as expense over the vesting period the fair value of all stock-based awards on the date of grant. Alternatively, SFAS No. 123 allows entities to continue to apply the provisions of Accounting Principles Board ("APB") Opinion No. 25 and provide pro forma net income and earnings per share disclosures for employee stock option grants made in 1995 and future years as if the fair-value-based method defined in SFAS No. 123 had been applied. In December 2002, SFAS No. 148 "Accounting for Stock-Based Compensation — Transition and Disclosure, an amendment to FASB Statement No. 123" was issued and provides alternative methods to transition to the fair value method of accounting for stock based compensation, on a volunteer basis, and requires additional disclosures at both annual and interim periods. The Company has elected to continue to apply the provision of APB Opinion No. 25 and provide the pro forma disclosure provisions of SFAS No. 123.

The Company's pro forma net earnings and earnings per share for the years ended December 31, 2002, 2001 and 2000 as per SFAS No. 123 were as follows:

	Year Ended December 31, 2002	Year Ended December 31, 2001	Year Ended December 31, 2000
	(in thousands, except per share amounts)		
Net income — as reported .....	\$3,877	\$5,363	\$7,671
Deduct: Total stock-based employee compensation expense determined under fair value based method for all awards, net of related tax effects .....	(998)	(791)	(565)
Pro forma net income .....	<u>\$2,879</u>	<u>\$4,572</u>	<u>\$7,106</u>
Earnings per share:			
Basic — as reported .....	\$ 0.25	\$ 0.34	\$ 0.52
Basic — pro forma .....	\$ 0.18	\$ 0.29	\$ 0.48
Diluted — as reported .....	\$ 0.24	\$ 0.34	\$ 0.51
Diluted — pro forma .....	\$ 0.18	\$ 0.29	\$ 0.47

*Research and Development.* Research and development costs are charged to operations in the year incurred. The cost of equipment used in research and development activities, which has alternative uses, is capitalized as equipment and not treated as an expense of the period. Such equipment is depreciated over estimated lives of 5 to 10 years. Research and development expenses totaled \$2.0 million, \$2.1 million and \$1.8 million for the years ended December 31, 2002, 2001 and 2000, respectively.

*Warranty Costs.* Estimated future warranty obligations related to products are charged to cost of goods sold in the period in which the related revenue is recognized. Additionally, the Company provides some of its customers with letters of credit covering potential warranty claims. At December 31, 2002 and 2001, the Company had \$6.0 million and \$5.4 million, respectively, in outstanding letters of credit related to warranties.

*Income Taxes.* Deferred tax assets and liabilities are recognized for future tax consequences attributable to differences between the financial statement carrying amounts of existing assets and liabilities and their respective tax bases. Deferred tax assets and liabilities are measured using enacted tax rates expected to apply to taxable income in the years in which those temporary differences are expected to be recovered or settled. The effect on deferred tax assets and liabilities of a change in tax rates is recognized in income in the period that includes the enactment date.

In assessing the realizability of deferred tax assets, management considers whether it is more likely than not that some portion or all of the deferred tax assets will not be realized. The ultimate realization of deferred tax assets is dependent upon the future generation of taxable income during the periods in which those temporary differences become deductible. Management has considered the scheduled reversal of deferred tax liabilities, projected future taxable income and tax planning strategies in making this assessment.

*Derivative Arrangements.* Assets and liabilities associated with and underlying derivative arrangements which do not qualify for hedge value accounting are recorded at fair market value as of the balance sheet date with any changes in fair value charged to income in the current period, in accordance with SFAS No. 133, "Accounting for Derivative Instruments and Hedging Activities." The Company recorded a charge of \$249,000 to exit certain derivative arrangements that were acquired with the purchase of Axsia in March 2001. The Company had no derivative financial instruments as of December 31, 2002, 2001 or 2000.

*Translation of Foreign Currencies.* Financial statement amounts related to foreign operations are translated into their United States dollar equivalents at exchange rates as follows: (1) balance sheet accounts at year-end exchange rates, and (2) statement of operations accounts at the weighted average exchange rate for the period. The gains or losses resulting from such translations are deferred and included in accumulated other comprehensive loss as a separate component of stockholders' equity. Gains or losses from foreign currency transactions are reflected in the consolidated statements of operations.

*Use of Estimates.* The Company's management has made estimates and assumptions relating to the reported amounts of assets and liabilities and the disclosure of contingent assets and liabilities and the amounts of revenues and expenses recognized during the period to prepare these financial statements in conformity with generally accepted accounting principles. Actual results could differ from those estimates.

*Earnings per Common Share.* Basic earnings per share excludes the dilutive effect of common stock equivalents. The diluted earnings per common and potential common share are computed by dividing net income by the weighted average number of common and potential common shares outstanding. For the purposes of this calculation, outstanding employee stock options are considered potential common shares. In conformity with Securities and Exchange Commission requirements, common stock, options and warrants, or other potentially dilutive instruments are reflected in earnings per share calculations for all periods presented. Anti-dilutive stock options were excluded from the calculation of potential common shares. The impact of these anti-dilutive shares would have been a reduction of 314,000 shares, 145,000 shares and 36,000 shares for the years ended December 31, 2002, 2001 and 2000, respectively.

The following table presents earnings per common share amounts computed using SFAS No. 128:

<u>Period Ended</u>	<u>Net Income</u>	<u>Shares</u>	<u>Per Share Amounts</u>
	(in thousands, except per share amounts)		
Year ended December 31, 2000			
Basic EPS .....	\$7,671	14,653	\$ 0.52
Effect of dilutive securities:			
Options .....	<u>—</u>	<u>505</u>	<u>(0.01)</u>
Diluted EPS .....	<u>\$7,671</u>	<u>15,158</u>	<u>\$ 0.51</u>
Year ended December 31, 2001			
Basic EPS .....	\$5,363	15,722	\$ 0.34
Effect of dilutive securities:			
Options .....	<u>—</u>	<u>244</u>	<u>—</u>
Diluted EPS .....	<u>\$5,363</u>	<u>15,966</u>	<u>\$ 0.34</u>
Year ended December 31, 2002			
Basic EPS .....	\$3,877	15,804	\$ 0.25
Effect of dilutive securities:			
Options .....	<u>—</u>	<u>116</u>	<u>(0.01)</u>
Diluted EPS .....	<u>\$3,877</u>	<u>15,920</u>	<u>\$ 0.24</u>

### (3) Capital Stock

During 1997, the Company provided a loan of \$1.5 million (at an interest rate of 10% per annum) to a director of the Company who is also an affiliate of Capricorn Holdings, Inc. In March 1998, the related promissory note was amended to change the interest rate to 11% per annum. The principal was to be due on the date on which Capricorn Holdings, Inc. distributed its holdings of NATCO's common stock to its partners. During 1998, the Company acquired an option at a cost of approximately \$200,000 to purchase 173,050 shares of NATCO's common stock from the director at a price of \$8.81 per share. At the Company's option, the note provided that the obligation could be repaid with shares of NATCO's common stock. The cost to acquire this option was recorded as treasury stock in the accompanying consolidated balance sheets. During February 2000, the Company exercised its option to acquire 173,050 shares of NATCO's Class A common stock from the director for \$1.5 million, which reduced the note due from the director by the same amount. The shares were recorded as treasury stock at cost in the accompanying consolidated balance sheet. The balance of the note due from the director was repaid in June 2000.

On November 18, 1998, the Company's charter was amended to divide its common stock into two classes: Class A common stock (45,000,000 shares) and Class B common stock (5,000,000 shares). The two

classes of common stock have the same relative rights and preferences except the holders of the Class B common stock have the right, voting separately as a class, to elect one member of the Company's board of directors. Class B shares may be converted by the holder to Class A shares at any time, and automatically converted to Class A shares on January 1, 2002.

On January 27, 2000, the Company completed an initial public offering of 7,500,000 shares of Class A common stock at a price of \$10.00 per share (4,053,807 shares issued by the Company and 3,446,193 shares issued by selling stockholders). The proceeds to the Company, less underwriting fees, were \$37.7 million. These funds were used to retire debt of \$27.9 million under the term loan facility, to repay borrowings of \$3.0 million under the revolving credit facility used to acquire Porta-Test, to retire \$2.2 million of Porta-Test debt acquired, to pay offering costs of \$1.5 million and to fund other working capital needs. On February 3, 2000, the underwriter exercised its over-allotment option, which resulted in the issuance of 1,125,000 additional shares of Class A common stock and proceeds of \$10.5 million, net of underwriter's fees. Proceeds from the over-allotment were used to complete the acquisition of MPE including the repayment of \$685,000 of debt acquired, and for other working capital needs.

In October 2000, the Company's board of directors approved a stock repurchase plan under which up to 750,000 shares of the Company's Class A common stock could be acquired. During fiscal 2001, the Company reacquired approximately 118,000 shares of its Class A common stock under this repurchase agreement for \$867,000, an average cost of \$7.32 per share. During 2000, the Company reacquired 34,000 shares of its Class A common stock under this repurchase plan for \$243,000, an average cost of \$7.16 per share. The cost to reacquire these shares was recorded as treasury stock at December 31, 2002 and 2001, respectively.

In February 2001 and June 2000, the Company issued 8,520 Class B shares and 418,145 Class B shares, respectively, to the former shareholders of Cynara, in connection with the achievement of certain performance criteria defined in the November 1998 purchase agreement. Goodwill was increased \$85,000 in 2001 and \$4.1 million in 2000, as a result of these transactions.

#### **(4) Acquisitions**

In November 1998, the Company completed the acquisition of Cynara from a group of private investors for \$5.3 million in cash, the assumption of \$10.1 million in Cynara bank debt, and the issuance of 500,000 shares of NATCO Class B common stock valued at \$5.3 million. The purchase agreement also stipulated that NATCO may be required to issue up to an additional 1,400,000 shares of Class B common stock to Cynara's former shareholders based on certain performance criteria defined in the purchase agreement. The Company issued 418,145 Class B shares and 8,520 Class B shares in June 2000 and February 2001, respectively, as per this agreement, which resulted in an increase in goodwill. See Note 3, Capital Stock. The funds used for the acquisition of Cynara were provided by \$5.3 million of equity and proceeds of borrowings from a senior credit facility provided by a syndicate of major international banks. The acquisition was accounted for as a purchase and the results of Cynara have been included in the consolidated financial statements since the date of acquisition. In accordance with SFAS No. 142, "Goodwill and Other Intangible Assets," the Company ceased amortizing goodwill associated with the Cynara acquisition on January 1, 2002. Goodwill and accumulated amortization was \$17.6 million and \$2.3 million, respectively, at December 31, 2002.

The Company acquired all the outstanding common stock of Porta-Test on January 24, 2000, for approximately \$6.3 million in cash, net of cash acquired, which included payment of specific accrued liabilities of the former company and the purchase of certain proprietary intellectual property of an associated U.S. company, the issuance of a one-year promissory note for \$1.0 million denominated in Canadian dollars and a payment contingent upon certain operating criteria being met. See Note 18, Commitments and Contingencies. This acquisition has been accounted for using the purchase method of accounting, and results of operations for Porta-Test have been included in NATCO's consolidated financial statements since the date of acquisition. The excess of the purchase price over the fair values of the net assets acquired was being amortized over a twenty-year period prior to the adoption of SFAS No. 142, "Goodwill and Other Intangible Assets," on January 1, 2002. Goodwill and accumulated amortization related to the Porta-Test acquisition were \$5.4 million and \$532,000, respectively, at December 31, 2002.

The Company acquired all the outstanding common stock of MPE on February 8, 2000, for approximately \$2.4 million in cash, net of cash acquired, and the issuance of a one-year promissory note for \$338,000, which accrued interest at 10% per annum. This acquisition has been accounted for using the purchase method of accounting, and results of operations for MPE have been included in NATCO's consolidated financial statements since the date of acquisition. The excess of the purchase price over the fair values of the net assets acquired was being amortized over a twenty-year period prior to the adoption of SFAS No. 142, "Goodwill and Other Intangible Assets," on January 1, 2002. Goodwill and accumulated amortization related to the MPE acquisition were \$3.4 million and \$338,000, respectively, at December 31, 2002.

The Company acquired all the outstanding common stock of ESI on April 4, 2000 for approximately \$7.1 million, net of cash and cash equivalents acquired, subject to adjustment. This acquisition, which was financed with borrowings of \$7.1 million under the existing revolving credit facility and borrowings of \$2.6 million under the existing export sales facility, was accounted for using the purchase method of accounting, and results of operations for ESI have been included in NATCO's consolidated financial statements since the date of acquisition. The excess of the purchase price over the fair values of the net assets acquired was being amortized over a twenty-year period prior to the adoption of SFAS No. 142, "Goodwill and Other Intangible Assets," on January 1, 2002. Goodwill and accumulated amortization related to the ESI acquisition were \$6.0 million and \$510,000, respectively, at December 31, 2002.

On March 19, 2001, the Company acquired all the outstanding share capital of Axsia, for approximately \$42.8 million, net of cash acquired. Axsia specializes in the design and supply of water re-injection systems for oil and gas fields, oily water treatment, oil separation, hydro-cyclone technology, hydrogen production and other process equipment systems. This acquisition was financed with borrowings under NATCO's term loan facility and was accounted for using the purchase method of accounting. Results of operations for Axsia have been included in NATCO's consolidated financial statements since the date of acquisition. The purchase price of \$45.0 million was allocated as follows: \$2.2 million of cash acquired, \$38.4 million of current assets excluding cash, \$2.0 million of long-term assets excluding goodwill and \$46.0 million of current liabilities. The excess of the purchase price over the fair value of the net assets acquired was being amortized over a twenty-year period, prior to the adoption of SFAS No. 142, "Goodwill and Other Intangible Assets," on January 1, 2002. Goodwill and accumulated amortization expense related to the Axsia acquisition were \$47.4 million and \$1.9 million, respectively, at December 31, 2002.

Assuming the Axsia acquisition occurred on January 1 of the respective year, the unaudited pro forma results of the Company for the twelve months ended December 31, 2001, and 2000, respectively, would have been as follows:

	<b>Pro Forma Results</b>	
	<b>Twelve Months Ended</b>	
	<b>December 31, 2001</b>	<b>December 31, 2000</b>
	<b>(unaudited)</b>	<b>(unaudited)</b>
	<b>(in thousands, except per share amounts)</b>	
Revenues . . . . .	\$301,529	\$287,403
Income before income taxes and cumulative effect of change in accounting principle . . . . .	\$ 6,540	\$ 13,232
Net income . . . . .	\$ 3,428	\$ 6,794
Net income per share:		
Basic . . . . .	\$ 0.22	\$ 0.46
Diluted . . . . .	\$ 0.21	\$ 0.45

These pro forma results assume debt service costs associated with the Axsia acquisition, net of tax effect, calculated at the Company's effective tax rate for the applicable period, and nondeductible goodwill amortization. Although prepared on a basis consistent with NATCO's consolidated financial statements, these pro forma results do not purport to be indicative of the actual results which would have been achieved had the acquisition been consummated on January 1 of the respective year, and are not intended to be a projection of future results.

Effective January 8, 2001, the Company entered into a Compromise Settlement Agreement with the former owner of TEST, which resulted in a cash payment of \$1.5 million to NATCO on May 31, 2001, to settle certain contingencies related to NATCO's acquisition of TEST in 1997. The proceeds of this payment, net of related costs, were used to reduce goodwill associated with the TEST acquisition.

**(5) Closure and Other**

As of November 4, 2002, the Company's management committed to a plan to close a manufacturing and engineering facility in Edmonton, Alberta, Canada. This plan includes the involuntary termination of 27 employees including plant workers and administrative staff, the relocation of equipment and certain personnel to other facilities and costs related to modifying certain operating lease arrangements. The Company began implementing this plan in November 2002, and incurred approximately \$548,000 of costs under this plan, including severance related costs of \$123,000, asset impairment charges of \$121,000, and other costs totaling \$304,000, primarily related to lease obligations. At December 31, 2002, the Company's remaining accrued liability related to this restructuring was \$304,000, and additional relocation and shop moving costs which will be expensed as incurred are expected through the second quarter of 2003.

In June 2001, the Company recorded a charge of \$1.6 million that consisted of \$920,000 pursuant to an approved plan to close and merge an existing NATCO office into the operations of Axsia, as well as other streamlining actions associated with the acquisition. This charge included costs for severance, office consolidation and other expenses. Also, the Company withdrew a public debt offering and recorded a charge of \$680,000 for costs incurred related to the proposed offering.

Pursuant to an employment agreement, an executive officer was entitled to a bonus upon the occurrence of any sale or public offering of the Company. The bonus equaled one and one-half percent (1.5%) of the value of all securities owned by stockholders of the Company prior to the sale or offering, including common stock valued at the price per share received in either the sale or public offering, and any debt held by such stockholders. In July 1999, the Company amended the employment agreement to eliminate the bonus and agreed to loan the officer \$1.2 million to purchase 136,832 shares of common stock. Per the agreement, the officer would receive a bonus equal to the outstanding principal and interest of the note upon the sale or public offering of the Company. During February 2000, after the Company completed an initial public offering of its Class A common stock, NATCO recorded expense of \$1.3 million in settlement of its obligation under this agreement. The officer used the proceeds, net of tax, to repay the Company approximately \$665,000. See Note 17, Related Parties.

During the first quarter of 2000, NATCO incurred relocation charges of approximately \$208,000 associated with the consolidation of an existing Company facility with a facility that was acquired in connection with the acquisition of Porta-Test.

**(6) Inventories**

Inventories consisted of the following amounts:

	<u>December 31,</u> <u>2002</u>	<u>December 31,</u> <u>2001</u>
	(in thousands)	
Finished goods .....	\$13,088	\$ 9,902
Work-in-process .....	6,486	13,441
Raw materials and supplies .....	<u>14,362</u>	<u>15,242</u>
Inventories at FIFO .....	33,936	38,585
Excess of FIFO over LIFO cost .....	<u>(1,536)</u>	<u>(1,068)</u>
	<u>\$32,400</u>	<u>\$37,517</u>

At December 31, 2002 and 2001, inventories valued using the LIFO method and included above amounted to \$26.3 million and \$29.5 million, respectively. Reductions in LIFO layers resulted in a \$59,000

decrease in net income for the year ended December 31, 2002. There were no reductions in LIFO layers for the years ended December 31, 2001 and 2000.

**(7) Cost and Estimated Earnings on Uncompleted Contracts**

Cost and estimated earnings on uncompleted contracts were as follows:

	<u>December 31, 2002</u>	<u>December 31, 2001</u>
	(in thousands)	
Cost incurred on uncompleted contracts .....	\$87,586	\$131,702
Estimated earnings .....	<u>19,656</u>	<u>51,343</u>
	107,242	183,045
Less billings to date .....	<u>87,187</u>	<u>169,925</u>
	<u>\$20,055</u>	<u>\$ 13,120</u>
Included in accompanying balance sheets under the following captions:		
Trade accounts receivable .....	\$20,262	\$ 17,497
Customer advances .....	<u>(207)</u>	<u>(4,377)</u>
	<u>\$20,055</u>	<u>\$ 13,120</u>

**(8) Property, Plant and Equipment, Net**

The components of property, plant and equipment, were as follows:

	<u>Estimated useful lives (years)</u>	<u>December 31, 2002</u>	<u>December 31, 2001</u>
		(in thousands)	
Land and improvements .....	—	\$ 2,041	\$ 1,977
Buildings and improvements .....	20 to 40	14,019	14,396
Machinery and equipment .....	3 to 12	30,181	27,120
Office furniture and equipment .....	3 to 12	6,958	5,270
Less accumulated depreciation .....		<u>(21,714)</u>	<u>(17,760)</u>
		<u>\$ 31,485</u>	<u>\$ 31,003</u>

Depreciation expense was \$4.9 million, \$4.1 million and \$3.1 million, respectively, for the years ended December 31, 2002, 2001 and 2000. The Company leases certain machinery and equipment to its customers, generally for periods of one month to one year. The cost of leased machinery and equipment was \$5.0 million and \$5.3 million, and the related accumulated depreciation was \$3.3 million and \$3.5 million, at December 31, 2002 and 2001, respectively. Lease and rental income of \$1.3 million, \$1.2 million and \$581,000 for the years ended December 31, 2002, 2001 and 2000, respectively, was included in revenues.

## (9) Accrued Expenses and Other

Accrued expense and other consisted of the following:

	<u>December 31,</u> <u>2002</u>	<u>December 31,</u> <u>2001</u>
	(in thousands)	
Accrued compensation and benefits .....	\$ 7,756	\$ 8,674
Accrued insurance reserves .....	1,201	1,731
Accrued warranty and product costs .....	3,021	3,053
Accrued project costs .....	17,095	11,896
Taxes .....	3,139	3,817
Other .....	5,031	5,610
Totals .....	<u>\$37,243</u>	<u>\$34,781</u>

## (10) Short-term Debt

In conjunction with the purchase of Porta-Test in January 2000, the Company issued a one-year promissory note for \$1 million denominated in Canadian dollars, which accrued interest at 15% per annum. On January 24, 2001, the note was repaid along with accrued interest.

During February 2000, the Company issued a one-year promissory note, face value of \$338,000, with interest payable per annum at 10%, in conjunction with the acquisition of MPE. In February 2001, the Company paid \$206,000 as principal and interest.

## (11) Long-term Debt

The consolidated borrowings of the Company were as follows:

	<u>December 31,</u> <u>2002</u>	<u>December 31,</u> <u>2001</u>
	(in thousands)	
<b>Bank debt</b>		
Term loan with variable interest rate (4.21% and 4.25% at December 31, 2002 and 2001, respectively) and quarterly payments of principal (\$1,750) and interest, due March 16, 2006. ....	\$37,750	\$44,750
Revolving credit bank loans with variable interest rate (4.43% and 4.52% at December 31, 2002 and 2001, respectively) quarterly payment of interest, due March 15, 2004. ....	8,967	12,768
Promissory note with variable interest rate (4.65% at December 31, 2002) and quarterly payments of principal (\$24) and interest, due February 8, 2007.....	1,387	—
Revolving credit bank loans (Export Sales Facility) with variable interest rate (4.25% and 4.75% at December 31, 2002 and 2001, respectively) and monthly interest payments, due July 23, 2004. ....	<u>4,250</u>	<u>1,050</u>
Total.....	52,354	58,568
Less current installments .....	<u>(7,097)</u>	<u>(7,000)</u>
Long-term debt .....	<u>\$45,257</u>	<u>\$51,568</u>

The aggregate future maturities of long-term debt for the next five years ended December 31 are as follows: 2003—\$7.1 million; 2004—\$20.3 million; 2005—\$7.1 million; 2006—\$16.8 million; and 2007—\$1.0 million.

On March 16, 2001, the Company entered into a credit facility that consisted of a \$50.0 million term loan, a \$35.0 million U.S. revolving facility, a \$10.0 million Canadian revolving facility and a \$5.0 million U.K. revolving facility. The term loan matures on March 15, 2006, and each of the revolving facilities matures on March 15, 2004. In October 2001, the Company amended this revolving credit agreement to reduce the borrowing capacity in the U.S. from \$35.0 million to \$30.0 million, and to increase its borrowing capacity in the U.K. from \$5.0 million to \$10.0 million. No other material modifications were made to the agreement at that time.

Amounts borrowed under the term loan bear interest at a rate of 4.21% per annum as of December 31, 2002. Amounts borrowed under the revolving portion of the facility bear interest as follows:

- until April 1, 2002, at a rate equal to, at the Company's election, either (1) the London Interbank Offered Rate ("LIBOR") plus 2.25% or (2) a base rate plus 0.75%; and
- on and after April 1, 2002, at a rate based upon the ratio of funded debt to EBITDA, as defined in the credit facility ("EBITDA"), and ranging from, at the Company's election, (1) a high of LIBOR plus 2.50% to a low of LIBOR plus 1.75% or, (2) a high of a base rate plus 1.0% to a low of a base rate plus 0.25%.

NATCO paid commitment fees of 0.50% per year until April 1, 2002, and will pay 0.30% to 0.50% per year following 2002, depending upon the ratio of funded debt to EBITDA, on and after April 1, 2002, in each case on the undrawn portion of the facility.

In July 2002, our lenders approved the amendment of various provisions of the term loan and revolving credit facility agreement, effective April 1, 2002. This amendment allowed for future capital investment in our CO<sub>2</sub> gas-processing facility at Sacroc in west Texas, and revised certain debt covenants, modified certain defined terms, increased the aggregate amount of operating lease expense allowed during a fiscal year and permitted an increase in borrowings under the export sales credit facility, without further consent, up to a maximum of \$20.0 million. These modifications will result in higher commitment fee percentages and interest rates if the funded debt to EBITDA ratio exceeds 3 to 1.

The revolving credit and term loan facility is guaranteed by all of the Company's domestic subsidiaries and is secured by a first priority lien on all inventory, accounts receivable and other material tangible and intangible assets. In addition, the Company has pledged 65% of the voting stock of its active foreign subsidiaries. The revolving credit and term loan facility contains restrictive covenants which, among other things, limit the amount of funded debt to EBITDA, imposes a minimum fixed charge coverage ratio, a minimum asset coverage ratio and a minimum net worth requirement. As of December 31, 2002, the Company was in compliance with all restrictive debt covenants. NATCO had letters of credit outstanding under the revolving credit facilities totaling \$17.4 million at December 31, 2002. These letters of credit constitute contract performance and warranty collateral and expire at various dates through September 2005.

Borrowings of \$50.0 million under the term loan facility were used primarily for the acquisition of Axsia. The remaining borrowings, along with additional borrowings under the revolving credit facility, were used to repay \$16.5 million outstanding under a predecessor revolving credit and term loan facility.

The Company maintains a working capital facility for export sales that provides for aggregate borrowings of \$10.0 million, subject to borrowing base limitations, under which borrowings of \$4.3 million were outstanding at December 31, 2002. Letters of credit outstanding under the export sales credit facility as of December 31, 2002 totaled \$720,000. The export sales credit facility loans are secured by specific project inventory and receivables, are partially guaranteed by the EXIM Bank and mature in July 2004.

The Company had unsecured letters of credit totaling \$432,000 at December 31, 2002.

The Company borrowed \$1.5 million under a long-term promissory note arrangement on February 6, 2002. This note accrues interest at the 90-day LIBOR plus 3.25% per annum, and requires quarterly payments of principal of approximately \$24,000 and interest for five years beginning May 2002. This promissory note is collateralized by a manufacturing facility in Magnolia, Texas that the Company purchased in the fourth quarter of 2001.

*Dividend Restrictions.* With respect to its credit facilities, NATCO has agreed that it will not make any distributions of any property or cash to the Company or its stockholders' in excess of 50% of net income less excess cash flow beginning in 2001. No dividends were declared or paid during the years ended December 31, 2002, 2001 and 2000.

**(12) Income Taxes**

Income tax expense (benefit) consisted of the following components:

	<u>Year Ended December 31, 2002</u>	<u>Year Ended December 31, 2001</u>	<u>Year Ended December 31, 2000</u>
	(in thousands)		
Current:			
Federal .....	\$ (942)	\$ (240)	\$2,569
State .....	168	190	206
Foreign .....	<u>1,874</u>	<u>4,678</u>	<u>959</u>
	<u>1,100</u>	<u>4,628</u>	<u>3,734</u>
Deferred:			
Federal .....	678	(524)	1,279
State .....	206	(9)	167
Foreign .....	<u>(279)</u>	<u>(200)</u>	<u>165</u>
	<u>605</u>	<u>(733)</u>	<u>1,611</u>
	<u>\$1,705</u>	<u>\$3,895</u>	<u>\$5,345</u>

Temporary differences related to the following items that give rise to deferred tax assets and liabilities were as follows:

	<u>December 31, 2002</u>	<u>December 31, 2001</u>
	(in thousands)	
Deferred tax assets:		
Postretirement benefit liability .....	\$ 4,642	\$ 5,138
Accrued liabilities .....	2,748	3,043
Net operating loss carry forward .....	3,011	1,851
Accounts receivable .....	332	298
Fixed assets and intangibles .....	152	234
Foreign tax credit carry forward .....	1,237	699
R&D tax credit carry forward .....	<u>80</u>	<u>65</u>
Deferred tax assets .....	12,202	11,328
Valuation allowance .....	<u>258</u>	<u>1,281</u>
Net deferred tax assets .....	<u>\$11,944</u>	<u>\$10,047</u>
Deferred tax liabilities:		
Inventory .....	889	732
Fixed assets and intangibles .....	<u>2,565</u>	<u>1,244</u>
Total deferred tax liabilities .....	<u>3,454</u>	<u>1,976</u>
Net deferred tax assets .....	<u>\$ 8,490</u>	<u>\$ 8,071</u>

At December 31, 2002 and 2001, the Company recorded a valuation allowance of \$258,000 and \$1.3 million, related to certain deferred tax assets acquired with the purchase of Axsia in March 2001. The Company had net operating loss carry-forwards for federal income tax purposes of \$7.6 million as of December 31, 2002, that were available to offset future federal income tax through 2022.

Income tax expense differs from the amount computed by applying the U.S. federal income tax rate of 34% to income from continuing operations before income taxes as a result of the following:

	<u>Year Ended December 31, 2002</u>	<u>Year Ended December 31, 2001</u>	<u>Year Ended December 31, 2000</u>
	(in thousands)		
Income tax expense computed at statutory rate . . . . .	\$1,898	\$3,148	\$4,422
State income tax expense net of federal income tax effect . .	247	116	303
Tax effect of foreign operations . . . . .	(163)	(635)	75
Domestic and foreign losses for which no tax benefit is currently available . . . . .	—	215	137
Tax benefit of foreign losses not previously claimed . . . . .	(142)	—	—
Permanent differences, primarily meals and entertainment and amortization . . . . .	53	1,475	641
Foreign tax credit refund claims . . . . .	—	(307)	—
Research and development tax credit . . . . .	(14)	(100)	(150)
Other . . . . .	(174)	(17)	(83)
	<u>\$1,705</u>	<u>\$3,895</u>	<u>\$5,345</u>

Cumulative undistributed earnings of foreign subsidiaries totaled \$10.4 million as of December 31, 2002. The Company considers earnings from these foreign subsidiaries to be indefinitely reinvested and accordingly, no provision for U.S. foreign or state income taxes has been made for these earnings. Upon distribution of foreign subsidiary earnings in the form of dividends or otherwise, such distributed earnings would be reportable for U.S. income tax purposes (subject to adjustment for foreign tax credits.)

Federal income tax returns for fiscal years beginning with 1999 are open for review by the Internal Revenue Service.

### (13) Stockholders' Equity

*CEO Stock Options.* In connection with the engagement of the Chief Executive Officer of the Company, the Company granted him options to purchase common shares of National Tank Company that were subsequently converted to options to purchase common stock of the Company. As of December 31, 2002 and 2001, stock options granted to the Chief Executive Officer under all stock option plans related to 346,113 shares of the Company's common stock.

*Stock Appreciation Rights.* During 1994, NATCO adopted the National Tank Company Stock Appreciation Rights Plan (the National Tank Plan). The National Tank Plan provided for grants to officers and key employees of NATCO of rights to the appreciation in value of a stated number of shares of NATCO common stock. Value was to be determined by a committee of the NATCO Board of Directors. The maximum number of rights issuable under the National Tank Plan was 500,000. Rights vested over a three-year period.

*Individual Stock Options.* On July 1, 1997, the Board of Directors of the Company approved the exchange of rights outstanding under the National Tank Plan, discussed previously, for individual options to purchase common stock of the Company. Compensation expense was recognized to the extent that the projected fair market value of the stock on the exchange date exceeded the exercise price of the options. Furthermore, additional stock options were granted under this plan with an exercise price equal to the fair market value of the shares on the date of grant. Accordingly, no compensation expense was recorded for these additional grants. The individual stock options granted on July 1, 1997 vested ratably over a period of three or four years. The maximum term of these options was 10 years. At December 31, 2002, 2001 and 2000, options relating to an aggregate of 527,701 shares, 527,701 shares and 764,204 shares, respectively, remained outstanding under this plan.

*Stock Option Plans.* In January 1998 and February 1998, the Company adopted the Directors Compensation Plan and the Employee Stock Incentive Plan. These plans authorize the issuance of options to purchase up to an aggregate of 760,000 shares of the Company's common stock. The options vest over periods of up to four years. The maximum term under these options is ten years. At December 31, 2002, 2001 and 2000, options relating to an aggregate of 731,587 shares, 743,920 shares, and 743,953 shares, respectively, were outstanding under these plans.

*NATCO Group Inc. 2001 Stock Incentive Plan.* In November 2000, the Board of Directors of the Company approved and authorized the issuance of up to 300,000 shares of the Company's common stock for the 2000 Employee Stock Option Plan. On May 24, 2001, the Company's stockholders approved the NATCO Group Inc. 2001 Stock Incentive Plan, which superceded and replaced the 2000 Plan in its entirety, and increased the number of shares as to which options or awards may be granted under the plan to a maximum of 1,000,000 shares. At December 31, 2002 and 2001, options relating to an aggregate of 807,326 shares and 795,826 shares, respectively, were outstanding under this plan. No options were outstanding under this plan as of December 31, 2000.

Transactions pursuant to the Company's stock option plans for the years ended December 31, 2002, 2001 and 2000, include:

	<u>Stock Options Shares</u>	<u>Weighted Average Exercise Price</u>
Balance at December 31, 1999. ....	1,795,197	\$ 4.35
Granted .....	411,035	\$ 9.14
Exercised .....	(674,240)	\$ 2.09
Canceled .....	<u>(23,835)</u>	\$ 8.39
Balance at December 31, 2000. ....	1,508,157	\$ 6.83
Granted .....	815,693	\$ 9.13
Exercised .....	(236,503)	\$ 1.47
Canceled .....	<u>(19,900)</u>	\$10.05
Balance at December 31, 2001. ....	2,067,447	\$ 8.31
Granted .....	17,167	\$ 7.48
Exercised .....	—	—
Canceled .....	<u>(18,000)</u>	\$ 9.24
Balance at December 31, 2002. ....	<u>2,066,614</u>	\$ 8.30
Price \$2.22 (weighted average remaining contractual life of .29 years) ..	50,001	\$ 2.22
Price range \$5.03—\$6.27 (weighted average remaining contractual life of 5.61 years) .....	664,017	\$ 5.56
Price range \$7.00—\$8.81 (weighted average remaining contractual life of 6.50 years) .....	593,794	\$ 8.64
Price range \$9.13—\$10.19 (weighted average remaining contractual life of 7.43 years) .....	534,635	\$ 9.98
Price range \$11.69—\$12.91 (weighted average remaining contractual life of 8.36 years) .....	224,167	\$12.87
	<u>Stock Options Shares</u>	<u>Weighted Average Exercise Price</u>
<b>Exercisable Options</b>		
December 31, 2000 .....	840,969	\$4.95
December 31, 2001 .....	851,872	\$6.95
December 31, 2002 .....	1,238,198	\$7.67

Pro forma information regarding net income and earnings per share is required by SFAS No. 123, and has been determined by applying the Black-Scholes Single Option — Reduced Term valuation method. This valuation model requires management to make highly subjective assumptions about volatility of NATCO's common stock, the expected term of outstanding stock options, the Company's risk-free interest rate and

expected dividend payments during the contractual life of the options. Volatility of stock prices was evaluated based upon historical data from the New York Stock Exchange from the date of the initial public offering, January 28, 2000, to February 1, 2003. Volatility was calculated at 52% as of December 31, 2002, but was stepped-down by 10% per year for the next three years to reflect expected stabilization. The following table summarizes other assumptions used to determine pro forma compensation expense under SFAS No. 123 as of December 31, 2002:

<u>Date of Grant</u>	<u>Number of Options</u>	<u>Expected Option Life</u>	<u>Risk-free Rate</u>
Pre-IPO	715,535	7 to 7.5 years	5.97% - 6.40%
Pre-IPO	347,719	5 years	5.29% - 6.31%
Post-IPO	564,950	7 years	4.83% - 6.65%
Post-IPO	438,410	3.5 years	2.32% - 6.60%

Risk-free rates were determined based upon U.S. Treasury obligations as of the option date and outstanding for a similar term. The Company does not intend to pay dividends on its common stock during the term of the options outstanding as of December 31, 2002.

For purposes of pro forma disclosures, the estimated fair value of the options is amortized to expense over the options' vesting period. For the Company's pro forma net earnings and earnings per share for the years ended December 31, 2002, 2001 and 2000, See Note 2, Summary of Significant Accounting Policies.

#### *Preferred Stock Purchase Rights*

In May 1998, the Board of Directors of the Company declared a dividend of one preferred share purchase right for each outstanding share of common stock and for each share of common stock thereafter issued prior to the time the rights become exercisable. When the rights become exercisable, each right will entitle the holder to purchase one one-hundredth of one share of Series A Junior Participating Preferred Stock at a price of \$72.50 in cash. Until the rights become exercisable, they will be evidenced by the certificates or ownership of NATCO's common stock, and they will not be transferable apart from the common stock.

The rights will become exercisable following the tenth day after a person or group announces acquisition of 15% or more of the Company's common stock or announces commencement of a tender offer, the consummation of which would result in ownership by the person or group of 15% or more of the Company's common stock. If a person or group were to acquire 15% or more of the Company's common stock, each right would become a right to buy that number of shares of common stock that would have a market value of two times the exercise price of the right. Rights beneficially owned by the acquiring person or group would, however, become void.

At any time prior to the time the rights become exercisable, the board of directors may redeem the rights at a price of \$0.01 per right. At any time after the acquisition by a person or group of 15% or more but less than 50% of the common stock, the board may redeem all or part of the rights by issuing common stock in exchange for them at the rate of one share of common stock for each two shares of common stock for which each right is then exercisable. The rights will expire on May 15, 2008 unless previously extended or redeemed.

#### **(14) Change in Accounting Principle**

Effective January 1, 2000, NATCO recorded the cumulative effect of a change in accounting principle related to gains and losses on postretirement benefit obligation. Prior to December 31, 2000, gains and losses that resulted from experience or assumption changes were recorded as a charge to current income in the period of the change. Under SFAS No. 106, "Employers' Accounting for Postretirement Benefits Other Than Pensions," NATCO revised its method of accounting for these gains and losses to amortize the net gain or loss that exceeds 10% of the Company's adjusted postretirement benefit obligation over the remaining life expectancy of the plan participants. The newly adopted accounting principle is preferable in the circumstances because the deferral of unrealized gains and losses is more common in practice and results in less volatility in net periodic postretirement benefit cost. A gain of \$10,000, net of tax, was recorded in the consolidated

statement of income as of December 31, 2000, as a result of this change in accounting principle. See Note 15, Pension and Other Postretirement Benefits.

#### **(15) Pension and Other Postretirement Benefits**

The Company has adopted SFAS 132, which revised disclosures about pension and other postretirement benefit plans. Disclosures regarding pension benefits represent the plan for certain union employees of a foreign subsidiary. Disclosures regarding postretirement benefits represent health care and life insurance benefits for employees who were retired when the Company was acquired from C-E.

In December 1999, the Company entered into an agreement with W.S. Tyler Incorporated (“Tyler”) and Capricorn Investors, L.P. through which the Company assumed responsibility for the retired employee health and life insurance obligations of Tyler. The liability accrued with respect to these obligations, as determined by an independent actuarial firm, was \$1.1 million. In consideration of this agreement, Tyler paid the Company \$475,000 in cash and assigned a portion of the federal income tax refund due to Tyler in the amount of approximately \$600,000. Tyler remitted \$600,000 in January 2000 as settlement of this arrangement.

In December 2000, NATCO changed the method used to record gains and losses on its postretirement benefit obligation, which resulted in a gain of \$10,000, net of tax, for the year ended December 31, 2000, and an unrecognized loss of \$1.5 million. See Note 14, Change in Accounting Principle.

On May 1, 2001, the Company amended a postretirement benefit plan that provided medical and dental coverage to retirees of a predecessor company. Under the amended plan, retirees bear additional costs of coverage. Significant plan changes include higher deductibles, prescription coverage under a drug card program and the elimination of dental benefits. As of July 1, 2001, the Company obtained a third-party valuation of its liability under this plan arrangement, as amended. Based upon this valuation, the effect of this amendment was a \$6.4 million reduction in the Company’s postretirement benefit liability. As of December 31, 2001, a cumulative unrecognized loss of \$3.6 million existed related to this postretirement benefit plan. In accordance with SFAS No. 106, “Employers’ Accounting for Postretirement Benefits Other Than Pensions,” the benefit associated with the plan amendment will be amortized to income as a prior service cost adjustment over the remaining life expectancy of the plan participants. Additionally, the cumulative unrecognized loss will be amortized to expense over the remaining life expectancy of the plan participants.

In November 2001, the Company agreed to maintain benefits at pre-amendment levels for a specified class of retirees in exchange for expense reimbursement from the former sponsor of the postretirement benefit plan. The agreement requires reimbursement of \$79,000 per year for each of the four succeeding years. Pursuant to this arrangement, the Company received \$79,000 each year as reimbursement of postretirement benefit expenses for 2002 and 2001, and recorded a receivable for the present value of the future benefits of \$217,000.

In August 2001, the participants of the Canadian pension plan voted to terminate contributions to the plan and receive actuarially determined cash distributions. As of December 31, 2002, the Company had formally terminated the pension plan and benefit payments were distributed, except amounts due to certain retirees, who had not yet replied to notification of pending distributions. The Company intends to purchase an annuity contract for approximately \$234,000, to fund any remaining liability under this plan arrangement.

The following table sets forth the plan's benefit obligation, fair value of plan assets, and funded status at December 31, 2002 and 2001.

	Pension Benefits		Postretirement Benefits	
	December 31, 2002	December 31, 2001	December 31, 2002	December 31, 2001
	(in thousands)			
<b>Change in benefit obligation</b>				
Benefit obligation at beginning of the period . . . . .	\$ 679	\$ 610	\$ 11,586	\$ 16,064
Service cost . . . . .	34	35	—	—
Interest cost . . . . .	42	41	830	1,006
Participant and prior sponsor contributions . . . . .	—	—	157	533
Actuarial (gain) loss . . . . .	(31)	49	3,503	2,338
Foreign currency exchange rate differences . . . . .	(11)	(38)	—	—
Plan amendment . . . . .	—	—	—	(6,422)
Benefit payments . . . . .	<u>(456)</u>	<u>(18)</u>	<u>(1,987)</u>	<u>(1,933)</u>
Benefit obligation at end of period . . . . .	<u>\$ 257</u>	<u>\$ 679</u>	<u>\$ 14,089</u>	<u>\$ 11,586</u>
<b>Change in fair value of plan assets</b>				
Fair value of plan assets at beginning of period . . . . .	\$ 624	\$ 732	\$ —	\$ —
Actual return on plan assets . . . . .	46	50	—	—
Foreign currency exchange rate differences . . . . .	5	(40)	—	—
Employer contributions . . . . .	54	25	1,830	1,400
Participant and prior sponsor contributions . . . . .	—	—	157	533
Experience loss . . . . .	(106)	(125)	—	—
Benefit payments . . . . .	<u>(456)</u>	<u>(18)</u>	<u>(1,987)</u>	<u>(1,933)</u>
Fair value of plan assets at end of period . . . . .	<u>167</u>	<u>624</u>	<u>—</u>	<u>—</u>
Funded status . . . . .	(90)	(55)	(14,089)	(11,586)
Unrecognized loss . . . . .	—	—	6,917	3,639
Unrecognized prior service cost . . . . .	—	—	(5,546)	(6,130)
Unrecognized experience gain/(loss) . . . . .	<u>(18)</u>	<u>250</u>	<u>—</u>	<u>—</u>
Prepaid (accrued) benefit cost . . . . .	<u>\$ (108)</u>	<u>\$ 195</u>	<u>\$ (12,718)</u>	<u>\$ (14,077)</u>
<b>Weighted average assumptions</b>				
Discount rate . . . . .	6.25%	6.25%	6.75%	7.5%
Expected return on plan assets . . . . .	7.0%	7.0%	N/A	N/A
Rate of compensation increase . . . . .	N/A	N/A	N/A	N/A
Health care trend rates . . . . .	—	—	5.0%-8.0%	4.5%-8.5%
<b>Components of net periodic benefit cost:</b>				
Service cost . . . . .	\$ 34	\$ 35	\$ —	\$ —
Unrecognized prior service cost . . . . .	—	—	(584)	(292)
Interest cost . . . . .	42	41	830	1,006
Unrecognized loss . . . . .	—	—	225	174
Recognized gains . . . . .	<u>(46)</u>	<u>(49)</u>	<u>—</u>	<u>—</u>
Net periodic benefit cost . . . . .	<u>\$ 30</u>	<u>\$ 27</u>	<u>\$ 471</u>	<u>\$ 888</u>
			1% Increase	1% Increase
Effect on interest cost component . . . . .			\$ 73	\$ 82
Effect on the health care component of the accumulated postretirement benefit obligation . . . . .			\$ 1,098	\$ 975

*Defined Contribution Plans.* The Company and its subsidiaries each have defined contribution pension plans covering substantially all nonunion hourly and salaried employees who have completed three months of service. Employee contributions of up to 3% of each covered employee's compensation are matched 100% by the Company, with an additional 2% of covered employee's compensation matched at 50%. In addition, the

Company may make discretionary contributions as profit sharing contributions. Company contributions to the plan totaled \$1.4 million, \$1.8 million and \$1.4 million for the years ended December 31, 2002, 2001 and 2000, respectively.

#### **(16) Operating Leases**

The Company and its subsidiaries lease various facilities and equipment under non-cancelable operating lease agreements. These leases expire on various dates through September 2006, excluding a lease arrangement for a facility at Axsia that requires lease commitments until the facility is sublet to another party. Future minimum lease payments required under operating leases that have remaining non-cancelable lease terms in excess of one year at December 31, 2002, were as follows: 2003—\$4.0 million, 2004—\$3.0 million, 2005—\$1.2 million, 2006—\$1.0 and 2007—\$915,000. Total expense for operating leases for the years ended December 31, 2002, 2001 and 2000 was \$5.8 million, \$5.3 million and \$4.4 million, respectively.

For a discussion of lease and rental income, see Note 8, Property, Plant and Equipment, net.

#### **(17) Related Parties**

The Company pays Capricorn Management G.P., an affiliate company of Capricorn Holdings, Inc., for administrative services, which included office space and parking in Connecticut for the Company's Chief Executive Officer, reception, telephone, computer services and other normal office support relating to that space. Mr. Herbert S. Winokur, Jr., one of the Company's directors, is the Chairman and Chief Executive Officer of Capricorn Holdings, Inc., and the Managing Partner of Capricorn Holdings LLC, the general partner of Capricorn Investors II, L.P., a private investment partnership, and directly or indirectly controls approximately 31% of the Company's outstanding common stock. In addition, the Company's Chief Executive Officer, Mr. Gregory, is a non-salaried member of Capricorn Holdings LLC. Capricorn Investors II, L.P. controls approximately 20% of the Company's common stock. Fees paid to Capricorn Management totaled \$115,000, \$85,000 and \$75,000 for the years ended December 31, 2002, 2001 and 2000, respectively. Commencing October 1, 2001, the fee increased to \$28,750 per quarter due primarily to upward adjustments in Capricorn Management's underlying lease for office space; this increase was reviewed and approved by the Audit Committee of the Company's Board of Directors.

Under the terms of an employment agreement in effect prior to 1999, the Company loaned its Chief Executive Officer \$1.2 million in July 1999 to purchase 136,832 shares of common stock. During February 2000, after the Company completed the initial public offering of its Class A common stock, also pursuant to the terms of that employment agreement, the Company paid this executive officer a bonus equal to the principal and interest accrued under this note arrangement and recorded compensation expense of \$1.3 million. The officer used the proceeds of this settlement, net of tax, to repay the Company approximately \$665,000. In addition, on October 27, 2000, the Company's board of directors agreed to provide a full recourse loan to this executive officer to facilitate the exercise of certain outstanding stock options. The amount of the loan was equal to the cost to exercise the options plus any personal tax burdens that resulted from the exercise. The maturity of these loans was July 31, 2003, and interest accrued at rates ranging from 6% to 7.8% per annum. As of June 30, 2002, these outstanding notes receivable totaled \$3.4 million, including principal and accrued interest. Effective July 1, 2002, the notes were reviewed by the Company's board and amended to extend the maturity dates to July 31, 2004, and to require interest to be calculated at an annual rate based on LIBOR plus 300 basis points, adjusted quarterly, applied to the notes balances as of June 30, 2002, including previously accrued interest. As of December 31, 2002, the balance of the notes (principal and accrued interest) due from this officer under these loan arrangements was \$3.5 million. These loans to this executive officer, which were made on a full recourse basis in prior periods to facilitate direct ownership in the Company's common stock, are currently subject to and in compliance with provisions of the Sarbanes-Oxley Act of 2002.

As previously agreed in 2001, the Company loaned an employee who is an executive officer and director \$216,000 on April 15, 2002, under a full-recourse note arrangement which accrues interest at 6% per annum and matures on July 31, 2003. The funds were used to pay the exercise cost and personal tax burdens

associated with stock options exercised during 2001. Effective July 1, 2002, the note was amended to extend the maturity date to July 31, 2004, and to require interest to be calculated at an annual rate based on LIBOR plus 300 basis points, adjusted quarterly, applied to the note balance as of June 30, 2002, including previously accrued interest. As of December 31, 2002, the balance of the note (principal and interest) due from this officer under this loan arrangement was approximately \$223,000. This loan to this executive officer, which was made on a full recourse basis from time to time in prior periods to facilitate direct ownership in the Company's common stock, is currently subject to and in compliance with provisions of the Sarbanes-Oxley Act of 2002.

During 1997, the Company loaned \$1.5 million (at a rate of 10% per annum) to a director of the Company who was also an affiliate of Capricorn Holdings, Inc. In March 1998, the related promissory note was amended to change the interest rate to 11% per annum. The principal was due on the date on which Capricorn Investors, L.P. distributed its holding of NATCO common stock to its partners. During 1998, NATCO acquired an option at a cost of \$200,000 to purchase 173,050 shares of its common stock from the director at a price of \$8.81 per share. At NATCO's option, the note could be repaid with shares of the Company's common stock. The cost to acquire the option was recorded as treasury stock in the accompanying consolidated balance sheet. A note arrangement with a director, recorded as a \$1.9 million current asset at December 31, 1999, was partially settled during February 2000, when the Company exercised an option to purchase 173,050 shares of its common stock from this director at a cost of \$1.5 million. The remaining balance of the note was repaid during June 2000.

During December 1999, the Company assumed the postretirement pension liability of a former affiliate, Tyler. In February 2000, the Company received \$600,000 from Tyler as settlement of an agreement entered into between Tyler, Capricorn Investors L.P. and the Company, whereby the Company assumed responsibility for the retired employee health and life insurance obligations of Tyler. See Note 15, Pension and Other Postretirement Benefits.

#### **(18) Commitments and Contingencies**

The Porta-Test purchase agreement, executed in January 2000, contains a provision to calculate a payment to certain former stockholders of Porta-Test Systems, Inc. for a three-year period ended January 23, 2003, based upon sales of a limited number of specified products designed by or utilizing technology that existed at the time of the acquisition. Liability under this arrangement is contingent upon attaining certain performance criteria, including gross margins and sales volumes for the specified products. If applicable, payment is required annually. In April 2001, the Company paid \$226,000 under this arrangement related to the year ended January 23, 2001. In August 2002, the Company paid \$197,000 under this arrangement related to the year ended January 23, 2002, resulting in an increase in goodwill. No liability was accrued pursuant to this arrangement as of December 31, 2002.

#### **(19) Change in Accounting Estimate**

During April 2000, the Company extended the service life of a carbon dioxide gas-processing plant based upon the extension of an agreement to operate the facility. The effect on net income and basic and diluted earnings per share before the cumulative effect of a change in accounting principle was an increase of \$305,000 and \$.02, respectively, for the year ended December 31, 2000.

#### **(20) Litigation**

The Company is a party to various routine legal proceedings. These primarily involve commercial claims, products liability claims and workers' compensation claims. The Company cannot predict the outcome of these lawsuits, legal proceedings and claims with certainty. Nevertheless, the Company's management believes that the outcome of all of these proceedings, even if determined adversely, would not have a material adverse effect on its business or financial condition.

## (21) Industry Segments and Geographic Information

The Company has adopted the provisions of SFAS No. 131, "Disclosures About Segments of an Enterprise and Related Information." The Company's business units have separate management teams and infrastructures that offer different products and services. The business units have been aggregated into three reportable segments (described below) since the long-term financial performance of these reportable segments is affected by similar economic conditions.

*North American Operations:* This segment consists of the U.S. Sales and Service business unit, the Company's Canadian and Venezuelan subsidiaries, Latin American operations and CO<sub>2</sub> gas-processing operations. The U.S. Sales and Service business unit designs, engineers, manufactures, and provides start-up services for production equipment, which is generally less complex than those units provided by Engineered Systems, and provides replacement parts, field and shop servicing of equipment, and used equipment refurbishing. NATCO Canada provides design, engineering, manufacturing and start-up services for production equipment, as well as replacement parts, field and shop servicing of equipment and used equipment refurbishing. NATCO Canada also provides selective manufacturing services for the Engineered Systems segment. NATCO Venezuela and Latin American operations generally provide replacement parts to service customers in South America and Mexico, respectively. The CO<sub>2</sub> gas-processing operations include on-going service at two gas-processing plants in the United States. The principal market for the U.S. Sales and Service business unit is the U.S. onshore and offshore market and the international market. Customers include major multi-national, independent and national or state-owned companies. The principal markets for NATCO Canada are the oil and gas producing regions of Canada. Customers include major multi-national and independent companies.

*Engineered Systems:* This segment consists of four business units; U.S. Engineered Systems, NTC Technical Services, NATCO Japan and Axasia, that provide design, engineering, manufacturing and start-up services for engineered process systems. The principal markets for this segment include all major oil and gas producing regions of the world including North America, South America, Europe, the Middle East, Africa and the Far East. Customers include major multi-national, independent and national or state-owned companies.

*Automation and Control Systems:* TEST is the sole business unit reported in this segment. This unit designs, manufactures, installs and services instrumentation and electrical control systems. The principal markets for this segment include all major oil and gas producing regions of the world including North America, South America, Europe, Kazakhstan, Africa and the Far East. Customers include major multi-national, independent and national or state-owned companies. This segment was formerly named instrumentation and electrical systems.

The accounting policies of the reportable segments are the same as those described in Note 2. The Company evaluates the performance of its operating segments based on income before net interest expense, income taxes, depreciation and amortization expense, accounting changes and nonrecurring items. Summarized financial information concerning the Company's reportable segments is shown in the following table.

Summarized financial information concerning the Company's reportable segments is shown in the following table.

	<u>North American Operations</u>	<u>Engineered Systems</u>	<u>Automation &amp; Control Systems</u>	<u>Corporate &amp; Eliminations</u>	<u>Consolidated</u>
	(unaudited, in thousands)				
<b>December 31, 2002</b>					
Revenues from unaffiliated customers . . . . .	\$136,457	\$105,227	\$47,855	—	\$289,539
Inter-segment revenues . . . . .	\$ 917	\$ 1,814	\$ 4,287	\$(7,018)	—
Segment profit (loss) . . . . .	\$ 12,632	\$ 2,184	\$ 4,627	\$(4,153)	\$ 15,290
Total assets . . . . .	\$ 89,639	\$107,654	\$22,972	\$11,330	\$231,595
Capital expenditures . . . . .	\$ 2,451	\$ 2,175	\$ 436	\$ 193	\$ 5,255
Depreciation and amortization . . . . .	\$ 2,365	\$ 1,830	\$ 456	\$ 307	\$ 4,958

	<u>North American Operations</u>	<u>Engineered Systems</u>	<u>Automation &amp; Control Systems</u>	<u>Corporate &amp; Eliminations</u>	<u>Consolidated</u>
	(unaudited, in thousands)				
<b>December 31, 2001</b>					
Revenues from unaffiliated customers .....	\$144,366	\$ 98,273	\$43,943	—	\$286,582
Inter-segment revenues .....	\$ 781	\$ 748	\$ 3,750	\$(5,279)	—
Segment profit (loss) .....	\$ 12,589	\$ 11,210	\$ 4,718	\$(5,947)	\$ 22,570
Total assets .....	\$ 98,767	\$104,541	\$17,708	\$11,735	\$232,751
Capital expenditures .....	\$ 5,906	\$ 2,998	\$ 465	\$ 654	\$ 10,023
Depreciation and amortization .....	\$ 3,590	\$ 3,770	\$ 501	\$ 282	\$ 8,143
<b>December 31, 2000</b>					
Revenues from unaffiliated customers .....	\$118,371	\$ 67,535	\$38,646	—	\$224,552
Inter-segment revenues .....	\$ 1,318	\$ 268	\$ 4,115	\$(5,701)	—
Segment profit (loss) .....	\$ 7,632	\$ 13,978	\$ 4,184	\$(4,983)	\$ 20,811
Total assets .....	\$ 88,621	\$ 34,811	\$20,512	\$ 9,182	\$153,126
Capital expenditures .....	\$ 2,323	\$ 5,316	\$ 246	\$ 252	\$ 8,137
Depreciation and amortization .....	\$ 2,965	\$ 1,460	\$ 526	\$ 160	\$ 5,111

The Company's geographic data for continuing operations for the years ended December 31, 2002, 2001 and 2000 were as follows:

	<u>United States</u>	<u>Canada</u>	<u>United Kingdom</u>	<u>Other</u>	<u>Corporate &amp; Eliminations</u>	<u>Consolidated</u>
	(unaudited, in thousands)					
<b>December 31, 2002</b>						
Revenues from unaffiliated customers .....	\$195,215	\$24,717	\$43,507	\$26,100	\$ —	\$289,539
Inter-segment revenues .....	5,741	54	1,223	—	(7,018)	—
Revenues .....	<u>\$200,956</u>	<u>\$24,771</u>	<u>\$44,730</u>	<u>\$26,100</u>	<u>\$(7,018)</u>	<u>\$289,539</u>
Operating income (loss) .....	\$ 12,459	\$ (574)	\$10,186	\$(2,628)	\$(4,153)	\$ 15,290
Total assets .....	\$140,456	\$14,031	\$71,529	\$ 5,579	\$ —	\$231,595
<b>December 31, 2001</b>						
Revenues from unaffiliated customers .....	\$190,034	\$28,746	\$50,854	\$16,948	\$ —	\$286,582
Inter-segment revenues .....	4,629	—	650	—	(5,279)	—
Revenues .....	<u>\$194,663</u>	<u>\$28,746</u>	<u>\$51,504</u>	<u>\$16,948</u>	<u>\$(5,279)</u>	<u>\$286,582</u>
Operating income (loss) .....	\$ 13,634	\$ 589	\$12,769	\$ 1,525	\$(5,947)	\$ 22,570
Total assets .....	\$131,007	\$21,071	\$71,407	\$ 9,266	\$ —	\$232,751
<b>December 31, 2000</b>						
Revenues from unaffiliated customers .....	\$177,878	\$36,266	\$ 1,631	\$ 8,777	\$ —	\$224,552
Inter-segment revenues .....	5,590	111	—	—	(5,701)	—
Revenues .....	<u>\$183,468</u>	<u>\$36,377</u>	<u>\$ 1,631</u>	<u>\$ 8,777</u>	<u>\$(5,701)</u>	<u>\$224,552</u>
Operating income (loss) .....	\$ 22,167	\$ 2,716	\$ (166)	\$ 1,077	\$(4,983)	\$ 20,811
Total assets .....	\$129,525	\$20,792	\$ 295	\$ 2,514	\$ —	\$153,126

Equipment for large international projects is generally manufactured in the U.S. Therefore, revenues and results of operations related to these projects were presented as derived from the United States for purposes of this geographic presentation.

Corporate expenses consist of corporate overhead and research and development expenses.

## (22) Quarterly Data

The following tables summarize unaudited quarterly information for the years ended December 31, 2002, 2001 and 2000:

	2002			
	March 31,	For the Quarter Ended		
		June 30,	September 30,	December 31,
	(in thousands, except per share data)			
Revenues, net	\$73,578	\$74,396	\$66,563	\$75,002
Gross profit	\$18,263	\$17,662	\$14,908	\$19,352
Net income (loss)	\$ 1,773	\$ 1,134	\$ (336)	\$ 1,306
Basic earnings (loss) per share	\$ 0.12	\$ 0.07	\$ (0.02)	\$ 0.08
Fully diluted earnings (loss) per share	\$ 0.11	\$ 0.07	\$ (0.02)	\$ 0.08
	2001			
Revenues, net	\$62,910	\$82,559	\$74,522	\$66,591
Gross profit	\$15,993	\$20,305	\$20,617	\$19,155
Net income	\$ 1,376	\$ 520	\$ 1,767	\$ 1,700
Basic earnings per share	\$ 0.09	\$ 0.03	\$ 0.11	\$ 0.11
Fully diluted earnings per share	\$ 0.09	\$ 0.03	\$ 0.11	\$ 0.11
	2000			
Revenues, net	\$51,855	\$55,935	\$60,244	\$56,518
Gross profit	\$13,118	\$16,178	\$16,265	\$16,234
Net income before cumulative effect	\$ 194	\$ 2,471	\$ 2,637	\$ 2,359
Basic earnings per share	\$ 0.01	\$ 0.17	\$ 0.18	\$ 0.16
Fully diluted earnings per share	\$ 0.01	\$ 0.16	\$ 0.18	\$ 0.16

## (23) Goodwill Impairment Testing

The Financial Accounting Standards Board (“FASB”) approved SFAS No. 142, “Goodwill and Other Intangible Assets” in June 2001. This pronouncement requires that intangible assets with indefinite lives, including goodwill, cease being amortized and be evaluated for impairment on an annual basis. Intangible assets with a defined term, such as patents, would continue to be amortized over the useful life of the asset.

The Company adopted SFAS No. 142 on January 1, 2002. Intangible assets subject to amortization under the pronouncement as of December 31, 2002 and 2001 were summarized in the following table:

Type of Intangible Asset	As of December 31, 2002		As of December 31, 2001	
	Gross Carrying Amount	Accumulated Amortization	Gross Carrying Amount	Accumulated Amortization
	(unaudited, in thousands)			
Deferred Financing Fees	\$3,304	\$1,964	\$2,902	\$1,211
Patents	145	20	101	10
Other	303	186	240	109
Total	<u>\$3,752</u>	<u>\$2,170</u>	<u>\$3,243</u>	<u>\$1,330</u>

Amortization and interest expense of \$840,000, \$932,000 and \$554,000 were recognized related to these assets for the years ended December 31, 2002, 2001 and 2000, respectively. The estimated aggregate amortization and interest expense for these assets for each of the following five fiscal years is: 2003—\$625,000; 2004—\$383,000; 2005—\$341,000; 2006—\$152,000; and 2007—\$27,000. For segment reporting purposes, these intangible assets and the related amortization expense were recorded under “Corporate and Eliminations.”

Goodwill was the Company's only intangible asset that required no periodic amortization as of the date of the adoption of SFAS No. 142. Net goodwill at December 31, 2002 was \$79.0 million. The pro forma impact of applying SFAS No. 142 to operating results for years ended December 31, 2001 and 2000, would have been a reduction of amortization expense of \$3.7 million and \$1.6 million, respectively, resulting in net income of \$9.0 million and \$9.3 million, respectively. The pro forma increase in basic and diluted earnings per share would have been \$.23 and \$.23, respectively, for 2001, and \$.11 and \$.10, respectively, for 2000.

In accordance with SFAS No. 142, the Company tested impairment of goodwill by comparing the fair value of operating assets to the carrying value of those assets, including any related goodwill. As required in the pronouncement, the Company identified separate reportable units for purposes of this evaluation. In determining carrying value, the Company segregated assets and liabilities that, to the extent possible, were clearly identifiable by specific reporting unit. All inter-company receivables/payables were excluded. Certain corporate and other assets and liabilities, that were not clearly identifiable by specific reporting unit, were allocated based on the ratio of each reporting unit's net assets relative to total net assets. The resulting fair value was then compared to the carrying value of the reportable unit to determine whether or not an impairment had occurred at the reportable unit level. No impairment was indicated and, in accordance with the pronouncement, no additional tests were required.

Since no impairment of goodwill was indicated based upon the testing performed, no impairment charge was recorded under SFAS No. 142 as of December 31, 2002. Goodwill will be tested for impairment annually on December 31.

#### **(24) New Accounting Pronouncements**

In June 2001, the Financial Accounting Standards Board ("FASB") approved SFAS No. 141, "Business Combinations." This standard requires that any business combination initiated after June 30, 2001 be accounted for using the purchase method of accounting. This standard became effective on July 1, 2001, and had no material effect on the Company's financial condition or results of operations.

The FASB approved SFAS No. 142, "Goodwill and Other Intangible Assets" in June 2001. This pronouncement requires that intangible assets with indefinite lives, including goodwill, cease being amortized and be evaluated on an impairment basis. See discussion and results of impairment testing at Note 23, Goodwill Impairment Testing.

In June 2001, the FASB issued SFAS No. 143, "Accounting for Asset Retirement Obligations." This standard requires the Company to record the fair value of an asset retirement obligation as a liability in the period in which a legal obligation associated with the retirement of tangible long-lived assets that result from acquisition, construction, development and/or normal use of the assets, is incurred. In addition, the standard requires the Company to record a corresponding asset that will be depreciated over the life of the asset that gave rise to the liability. Subsequent to the initial measurement of this asset retirement obligation, the Company will be required to adjust the liability at the end of each period to reflect changes in estimated retirement cost and the passage of time. The Company will adopt this pronouncement on January 1, 2003, which will require certain liabilities to be recorded in the first quarter of 2003. The Company is currently determining the effect that this pronouncement will have on its financial condition and results of operations.

In October 2001, the FASB issued SFAS No. 144, "Accounting for the Impairment or Disposal of Long-Lived Assets." This statement replaces SFAS No. 121, "Accounting for the Impairment of Long-Lived Assets and for Long-Lived Assets to be Disposed Of," and standardizes the accounting model to be used for asset dispositions and related implementation issues. This pronouncement became effective for financial statements issued for fiscal years beginning after December 15, 2001. The Company adopted this pronouncement on January 1, 2002, resulting in no material effect on financial condition or results of operations.

In April 2002, the FASB issued SFAS No. 145, "Rescission of FASB Statements No. 4, 44 and 64, Amendment of FASB Statement No. 13 and Technical Corrections." This statement amends existing guidance on reporting gains and losses on extinguishment of debt, prohibiting the classification of the gain or loss as extraordinary. SFAS No. 145 also amends SFAS No. 13 to require sale-leaseback accounting for

certain lease modifications that have economic effects similar to sale-leaseback arrangements. The provisions of the statement related to the rescission of Statement No. 4 will be applied for the fiscal year beginning after May 14, 2002, with early adoption encouraged. The provisions of the statement related to Statement No. 13 were effective for transactions occurring after May 15, 2002, with early adoption encouraged. SFAS No. 145 has been adopted with respects to the revision of Statement No. 13 on May 15, 2002, and will be adopted on January 1, 2003, with respect to the amendment of SFAS No. 4. However, the adoption of SFAS No. 145 is not expected to have a material effect on the Company's financial condition or results of operations.

In June 2002, the FASB issued SFAS No. 146, "Accounting for Exit or Disposal Activities," which addresses financial accounting and reporting for costs associated with exit and disposal activities, including restructuring activities that are currently accounted for pursuant to the guidance set forth in EITF Issue No. 94-3, "Liability Recognition for Certain Employee Termination Benefits and Other Costs to Exit an Activity." SFAS No. 146 is effective for exit or disposal activities that are initiated after December 31, 2002, with early adoption encouraged. The provisions of this pronouncement will be applied to any exit or disposal activities on or after January 1, 2003. However, the Company does not expect this pronouncement to have a material effect on its financial condition or results of operations.

In November 2002, the FASB issued Interpretation No. 45, "Guarantor's Accounting and Disclosure Requirements for Guarantees, Including Indirect Guarantees of Indebtedness to Others, an interpretation of FASB Statements No. 5, 57 and 107 and a rescission of FASB Interpretation No. 34." This interpretation elaborates on the disclosures to be made by a guarantor in its interim and annual financial statements about its obligations under guarantees issued. The interpretation also clarifies that a guarantor is required to recognize, at the inception of a guarantee, a liability for the fair value of the obligation taken. The initial recognition and measurement provisions of the Interpretation are applicable to guarantees issued or modified after December 31, 2002. The Company does not expect this Interpretation to have a material effect on its financial condition or results of operations.

In December 2002, the FASB issued SFAS No. 148, "Accounting for Stock-Based Compensation—Transition and Disclosure, an amendment to FASB Statement No. 123." This statement amends FASB Statement No. 123, "Accounting for Stock-Based Compensation," to provide alternative methods to transition, on a volunteer-basis, to the fair value method of accounting for stock-based employee compensation. Additionally, this statement amends the disclosure requirements of SFAS No. 123 to require prominent disclosures in both annual and interim financial statements. Certain disclosure modifications are required for fiscal years ending after December 15, 2002, if a transition to SFAS No. 123 is elected. The Company has not elected to transition to SFAS No. 123 as of December 31, 2002. See Note 13, Stockholders' Equity.

## **(25) Subsequent Events**

On March 13, 2003, the Company executed an agreement to issue 15,000 shares of its Series B Convertible Preferred Stock along with warrants to purchase 248,800 shares of the Company's common stock to Lime Rock Partners II, L.P., a private investment fund, for an aggregate purchase price of \$15.0 million. Of the aggregate purchase price, approximately \$99,000 will be allocated to the warrant, and the Company will amortize this discount over three years. The proceeds from the issuance will be used to reduce the Company's outstanding revolving debt balances and for general corporate purposes. This transaction is expected to close prior to the end of March 2003.

Each share of Series B Convertible Preferred Stock has a face value of \$1,000 and pays a cumulative dividend of 10% per annum of face value, which is payable semi-annually on June 15 and December 15 of each year. Each share of Series B Convertible Preferred Stock is convertible, at the option of the holder thereof, into (i) a number of shares of common stock equal to the face value of such share divided by the conversion price, which is \$7.805, and (ii) a cash payment equal to the amount of dividends on such share that have accrued since the prior semi-annual dividend payment date. The warrants that will be issued to Lime Rock have an exercise price of \$10.00 per share of common stock and expire on the third anniversary of its issuance. The Company can force exercise of the warrants if the Company's stock price trades above \$13.50 per share for 30 consecutive days.

**Item 9. Changes in and Disagreements With Accountants on Accounting and Financial Disclosure**

There are no changes or disagreements with accountants on accounting and financial disclosure matters during the periods for which consolidated financial statements have been presented within this document.

**PART III**

**Item 10. Directors and Executive Officers of the Registrant**

The information on our directors is set forth in the section entitled “Election of Directors” in the Proxy Statement for the Annual Meeting of Stockholders to be held on May 22, 2003, which section is incorporated herein by reference.

**Item 11. Executive Compensation**

The information for this item is set forth in the section entitled “Director and Executive Management Compensation” in the Proxy Statement for the Annual Meeting of Stockholders to be held on May 22, 2003, which section is incorporated herein by reference.

**Item 12. Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters**

The information concerning security ownership of certain beneficial owners and management and related stockholder matters is set forth in the sections entitled “Voting Securities and Principal Holders Thereof,” “Security Ownership of Management,” and “Equity Compensation Plans” in the Proxy Statement for the Annual Meeting of Stockholders to be held on May 22, 2003, which sections are incorporated by reference.

Equity compensation plan information at December 31, 2002 was as follows:

<u>Plan Category</u>	<u>Number of Securities to be issued upon exercise of outstanding options, warrants and rights (a)</u>	<u>Weighted-average exercise price of outstanding options, warrants and rights (b)</u>	<u>Number of securities remaining available for future issuance under equity compensation plans (excluding securities reflected in column (a))</u>
Equity compensation plans approved by security holders .....	2,066,614	\$8.30 per share	216,671
Equity compensation plans not approved by security holders .....	—	—	—
Total .....	<u>2,066,614</u>	<u>\$8.30 per share</u>	<u>216,671</u>

**Item 13. Certain Relationships and Related Transactions**

The information concerning certain relationships and related transactions is included under the caption “Certain Relationships and Transactions” in the Proxy Statement for the Annual Meeting of Stockholders to be held on May 22, 2003, which sections are incorporated by reference.

**Item 14. Controls and Procedures**

**Controls and Procedures**

On March 17, 2003 and on various dates throughout 2002 and 2003, members of our management team, including our Chief Executive Officer and Chief Financial Officer, reviewed our disclosure controls and procedures, as defined by the Securities and Exchange Commission in Rule 13a-14(c) of the Securities Exchange Act of 1934, to evaluate and continually improve the effectiveness of the design and operation of these controls. Based upon this review, our management has determined that disclosure controls and

procedures operate such that important information is collected in a timely manner, provided to management and made known to our Chief Executive Officer and Chief Financial Officer, as appropriate, to allow timely decisions regarding disclosure in our public filings.

In addition, no significant changes have been made to our internal controls and procedures subsequent to December 31, 2002, and no corrective actions are anticipated as we noted no significant deficiencies or material weaknesses in our control structure. Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, our Chief Executive Officer and Chief Financial Officer have provided certain certifications to the SEC. These certifications accompanied this report when filed with the SEC, but are not set forth herein.

## PART IV

### Item 15. Exhibits, Financial Statement Schedules and Reports on Form 8-K

(a) Index to Financial Statements, Financial Statement Schedules and Exhibits

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(1) Financial Statements	
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Consolidated Balance Sheets .....	39
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Consolidated Statements of Stockholders' Equity and Comprehensive Income ...	41
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(2) Financial Statement Schedules

No schedules have been included herein because the information required to be submitted has been included in our Consolidated Financial Statements or notes thereto, or the required information is inapplicable.

(3) Index of Exhibits

(a) See index of Exhibits for a list of those exhibits filed herewith, which index also includes and identifies management contracts or compensatory plans or arrangements required to be filed as exhibits to this Form 10-K by Item 601 (10) (iii) of Regulation S-K.

(b) Reports on Form 8-K. We filed a report on Form 8-K on October 7, 2002, to announce the award of certain Pemex projects and to comment on certain project and revenue delays. We filed a report on Form 8-K on November 5, 2002, to announce our operating results for the third quarter of 2002. We filed a report on Form 8-K on December 5, 2002, to announce the execution of a contract to expand our CO<sub>2</sub> membrane separation facility in the Sacroc field. No other reports were filed on Form 8-K during the fourth quarter of 2002.

(c) Index of Exhibits

<u>Exhibit Number</u>	<u>Description</u>
2.3	— Securities Purchase Agreement by and among Lime Rock Partners II, L.P. and NATCO Group Inc., dated March 13, 2003 (incorporated by reference to Exhibit 99.2 of the Company's Current Report on Form 8-K filed March 14, 2003).
3.1	— Restated Certificate of Incorporation of the Company, as amended by Certificate of Amendment dated November 18, 1998 and Certificate of Amendment dated November 29, 1999 (incorporated by reference to Exhibit 3.1 of the Company's Registration Statement No. 333-48851 on Form S-1).

<u>Exhibit Number</u>	<u>Description</u>
3.2	— Certificate of Designations of Series A Junior Participating Preferred Stock (incorporated by reference to Exhibit 3.2 of the Company's Registration Statement No. 333-48851 on Form S-1).
3.3	— Amended and Restated Bylaws of the Company, as amended (incorporated by reference to Exhibit 3.3 of the Company's Quarterly Report on Form 10-Q for the period ended March 31, 2000).
4.1	— Specimen Common Stock certificate (incorporated by reference to Exhibit 4.1 of the Company's Registration Statement No. 333-48851 on Form S-1).
10.1**	— Directors Compensation Plan (incorporated by reference to Exhibit 10.1 of the Company's Registration Statement No. 333-48851 on Form S-1).
10.2**	— Form of Nonemployee Director's Option Agreement (incorporated by reference to Exhibit 10.2 of the Company's Registration Statement No. 333-48851 on Form S-1).
10.3**	— Employee Stock Incentive Plan (incorporated by reference to Exhibit 10.3 of the Company's Registration Statement No. 333-48851 on Form S-1).
10.4**	— Form of Nonstatutory Stock Option Agreement (incorporated by reference to Exhibit 10.24 to the Company's Registration Statement No. 333-48851 on Form S-1).
10.6	— Service and Reimbursement Agreement dated as of July 1, 1997 between the Company and Capricorn Management, G.P. (incorporated by reference to Exhibit 10.6 of the Company's Registration Statement No. 333-48851 on Form S-1).
10.7**	— Form of Indemnification Agreement between the Company and its officers and directors (incorporated by reference to Exhibit 10.9 of the Company's Registration Statement No. 333-48851 on Form S-1).
10.10**	— Employment Agreement dated as of July 31, 1997 between the Company and Nathaniel A. Gregory, as amended as of July 12, 1999 (incorporated by reference to Exhibit 10.12 of the Company's Registration Statement No. 333-48851 on Form S-1).
10.11	— Stockholder's Agreement dated as of July 31, 1997 between the Company, Capricorn Investors, L.P., Capricorn Investors II, L.P. And the former stockholders of The Cynara Company (incorporated By reference to Exhibit 10.19 of the Company's Registration Statement No. 333-48851 on Form S-1).
10.12**	— Change of Control Policy dated as of September 28, 1999 (incorporated by reference to Exhibit 10.20 of the Company's Registration Statement No. 333-48851 on Form S-1).
10.13**	— Severance Pay Summary Plan Description (incorporated by reference to Exhibit 10.21 of the Company's Registration Statement No. 333-48851 on Form S-1).
10.14	— Loan Agreement (\$22,000,000 U.S. Revolving Loan Facility, \$10,000,000 Canadian Revolving Loan Facility and \$32,500,000 Term Loan Facility) dated as of November 20, 1998 among National Tank Company, NATCO Canada, Ltd., Chase Bank of Texas, National Association, The Bank of Nova Scotia and the other lenders parties thereto and joined in by NATCO Group, Inc., as amended (incorporated by reference to Exhibit 10.22 to the Company's Registration Statement No. 333-48851 on Form S-1).

<u>Exhibit Number</u>	<u>Description</u>
10.15	— International Revolving Loan Agreement dated as of June 30, 1997 between National Tank Company and Texas Commerce Bank, National Association, as amended (incorporated by reference to Exhibit 10.23 to the Company's Registration Statement No. 333-48851 on Form S-1).
10.16	— Loan Agreement (\$35,000,000 U.S. Revolving Loan Facility, \$10,000,000 Canadian Revolving Loan Facility, \$5,000,000 U.K. Revolving Loan Facility and \$50,000,000 Term Loan Facility) dated as of March 16, 2001 among NATCO Group Inc., NATCO Canada, Ltd., Axsia Group Limited, The Chase Manhattan Bank, Royal Bank of Canada, Chase Manhattan International Limited, Bank One, N.A. (Main Office Chicago, Illinois), Wells Fargo Bank Texas, National Association, JP Morgan, a Division of Chase Securities, Inc., and the other lenders now or hereafter Parties hereto (incorporated by reference to Exhibit 10.16 of the Company's Annual Report on Form 10-K for the period ended December 31, 2000).
10.17	— First Amendment to Loan Agreement (\$35,000,000 U.S. Revolving Loan Facility, \$10,000,000 Canadian Revolving Loan Facility, \$5,000,000 U.K. Revolving Loan Facility and \$50,000,000 Term Loan Facility) dated as of March 16, 2001 among NATCO Group Inc., NATCO Canada, Ltd., Axsia Group Limited, The Chase Manhattan Bank, Royal Bank of Canada, Chase Manhattan International Limited, Bank One, N.A. (Main Office Chicago, Illinois), Wells Fargo Bank Texas, National Association, JP Morgan, a Division of Chase Securities, Inc., and the other lenders now or hereafter Parties hereto (incorporated by reference to Exhibit 10.17 of the Company's Quarterly Report on Form 10-Q for the period ended June 30, 2002).
10.18	— Second Amendment to Loan Agreement (\$35,000,000 U.S. Revolving Loan Facility, \$10,000,000 Canadian Revolving Loan Facility, \$5,000,000 U.K. Revolving Loan Facility and \$50,000,000 Term Loan Facility) dated as of March 16, 2001 among NATCO Group Inc., NATCO Canada, Ltd., Axsia Group Limited, The Chase Manhattan Bank, Royal Bank of Canada, Chase Manhattan International Limited, Bank One, N.A. (Main Office Chicago, Illinois), Wells Fargo Bank Texas, National Association, JP Morgan, a Division of Chase Securities, Inc., and the other lenders now or hereafter Parties hereto (incorporated by reference to Exhibit 10.18 of the Company's Quarterly Report on Form 10-Q for the period ended June 30, 2002).
10.19	— Second Amended Single Installment Note Between Nathaniel A. Gregory and NATCO Group Inc., effective July 1, 2002 (incorporated by reference to Exhibit 10.19 of the Company's Quarterly Report on Form 10-Q for the period ended June 30, 2002).
10.20	— Amended Single Installment Note Between Nathaniel Gregory and NATCO Group Inc., effective July 1, 2002 (incorporated by reference to Exhibit 10.20 of the Company's Quarterly Report on Form 10-Q for the period ended June 30, 2002).
10.21	— Amended Single Installment Note Between Nathaniel Gregory and NATCO Group Inc., effective July 1, 2002 (incorporated by reference to Exhibit 10.21 of the Company's Quarterly Report on Form 10-Q for the period ended June 30, 2002).

<u>Exhibit Number</u>	<u>Description</u>
10.22	— Amended Single Installment Note Between Nathaniel Gregory and NATCO Group Inc., effective July 1, 2002 (incorporated by reference to Exhibit 10.22 of the Company's Quarterly Report on Form 10-Q for the period ended June 30, 2002).
10.23	— Amended Single Installment Note Between Patrick M. McCarthy and NATCO Group Inc., effective July 1, 2002 (incorporated by reference to Exhibit 10.23 of the Company's Quarterly Report on Form 10-Q for the period ended June 30, 2002).
10.24*	— Employment Agreement dated December 11, 2002, between Nathaniel A. Gregory and NATCO Group Inc.
10.25*	— Employment Agreement dated December 11, 2002, between Patrick M. McCarthy and NATCO Group Inc.
10.26*	— Senior Management Change in Control Agreement dated December 11, 2002, between Robert A. Curcio and NATCO Group Inc.
10.27*	— Senior Management Change in Control Agreement dated December 11, 2002, between Byron J. Eiermann and NATCO Group Inc.
10.28*	— Senior Management Change in Control Agreement dated December 11, 2002, between J. Michael Mayer and NATCO Group Inc.
10.29*	— Senior Management Change in Control Agreement dated December 11, 2002, between Richard D. Peters and NATCO Group Inc.
10.30*	— Senior Management Change in Control Agreement dated December 11, 2002, between Charles Frank Smith and NATCO Group Inc.
10.31*	— Senior Management Change in Control Agreement dated December 11, 2002, between David R. Volz, Jr. and NATCO Group Inc.
10.32*	— Senior Management Change in Control Agreement dated December 11, 2002, between Joseph H. Wilson and NATCO Group Inc.
21.1*	— List of Subsidiaries.
23.1	— Consent of Independent Auditors.

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\* Included herewith.

\*\* Management contracts or compensatory plans or arrangements.

## SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Houston, State of Texas, on the 21st day of March 2003.

NATCO GROUP INC.  
(Registrant)

By:           /s/ NATHANIEL A. GREGORY          

Nathaniel A. Gregory  
*Chief Executive Officer and  
Chairman of the Board of Directors*

Pursuant to the requirements of the Securities Act of 1934, this report has been signed below by the following persons in the capacities indicated, on March 21st, 2003.

<u>Signature</u>	<u>Title</u>
<u>          /s/ NATHANIEL A. GREGORY          </u> Nathaniel A. Gregory	Chairman of the Board and Chief Executive Officer (Principal Executive Officer)
<u>          /s/ PATRICK M. MCCARTHY          </u> Patrick M. McCarthy	Director and President
<u>          /s/ J. MICHAEL MAYER          </u> J. Michael Mayer	Senior Vice President and Chief Financial Officer (Principal Financial Officer)
<u>          /s/ RYAN S. LILES          </u> Ryan S. Liles	Vice President and Controller (Principal Accounting Officer)
<u>          /s/ KEITH K. ALLAN          </u> Keith K. Allan	Director
<u>          /s/ HOWARD I. BULL          </u> Howard I. Bull	Director
<u>          /s/ JOHN U. CLARKE          </u> John U. Clarke	Director
<u>          /s/ GEORGE K. HICKOX, JR.          </u> George K. Hickox, Jr.	Director
<u>          /s/ HERBERT S. WINOKUR, JR.          </u> Herbert S. Winokur, Jr.	Director

## CERTIFICATIONS

I, Nathaniel A. Gregory, certify that:

1. I have reviewed this annual report on Form 10-K of NATCO Group Inc.;
2. Based on my knowledge, this annual report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this annual report;
3. Based on my knowledge, the financial statements, and other financial information included in this annual report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this annual report;
4. The registrant's other certifying officers and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-14 and 15d-14) for the registrant and have:
  - a. designed such disclosure controls and procedures to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this annual report is being prepared;
  - b. evaluated the effectiveness of the registrant's disclosure controls and procedures as of a date within 90 days prior to the filing date of this annual report (the "Evaluation Date"); and
  - c. presented in this annual report our conclusions about the effectiveness of the disclosure controls and procedures based on our evaluation as of the Evaluation date;
5. The registrant's other certifying officers and I have disclosed, based on our most recent evaluation, to the registrant's auditors and the audit committee of registrant's board of directors (or persons performing the equivalent functions):
  - a. all significant deficiencies in the design or operation of internal controls which could adversely affect the registrant's ability to record, process, summarize and report financial data and have identified for the registrant's auditors any material weaknesses in internal controls; and
  - b. any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal controls; and
6. The registrant's other certifying officers and I have indicated in this annual report whether there were significant changes in internal controls or in other factors that could significantly affect internal controls subsequent to the date of our most recent evaluation, including any corrective actions with regard to significant deficiencies and material weaknesses.

Date: March 21, 2003

\_\_\_\_\_  
/s/ Nathaniel A. Gregory

Nathaniel A. Gregory  
Chief Executive Officer

## CERTIFICATIONS

I, J. Michael Mayer, certify that:

1. I have reviewed this annual report on Form 10-K of NATCO Group Inc.;
2. Based on my knowledge, this annual report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this annual report;
3. Based on my knowledge, the financial statements, and other financial information included in this annual report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this annual report;
4. The registrant's other certifying officers and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-14 and 15d-14) for the registrant and have:
  - a. designed such disclosure controls and procedures to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this annual report is being prepared;
  - b. evaluated the effectiveness of the registrant's disclosure controls and procedures as of a date within 90 days prior to the filing date of this annual report (the "Evaluation Date"); and
  - c. presented in this annual report our conclusions about the effectiveness of the disclosure controls and procedures based on our evaluation as of the Evaluation date;
5. The registrant's other certifying officers and I have disclosed, based on our most recent evaluation, to the registrant's auditors and the audit committee of registrant's board of directors (or persons performing the equivalent functions):
  - a. all significant deficiencies in the design or operation of internal controls which could adversely affect the registrant's ability to record, process, summarize and report financial data and have identified for the registrant's auditors any material weaknesses in internal controls; and
  - b. any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal controls; and
6. The registrant's other certifying officers and I have indicated in this annual report whether there were significant changes in internal controls or in other factors that could significantly affect internal controls subsequent to the date of our most recent evaluation, including any corrective actions with regard to significant deficiencies and material weaknesses.

Date: March 21, 2003

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/s/ J. Michael Mayer

J. Michael Mayer  
Chief Financial Officer

## CORPORATE INFORMATION

### DIRECTORS

Nathaniel A. Gregory  
*Chairman of the Board and Chief Executive Officer*

Patrick M. McCarthy  
*President and Director*

Keith K. Allan  
*Director*

Howard I. Bull  
*Director*

Thomas R. Bates, Jr.  
*Director*

John U. Clarke  
*Director*

George K. Hickox, Jr.  
*Director*

Herbert S. Winokur, Jr.  
*Director*

### HEADQUARTERS

NATCO Group Inc.  
2950 North Loop West, Suite 700  
Houston, Texas 77092  
Telephone: 713-683-9292

### AUDITORS

KPMG LLP  
Houston, Texas

### STOCK LISTINGS

NATCO Group common stock trades on the  
New York Stock Exchange under the symbol NTG

### TRANSFER AGENT AND REGISTRAR

Shareholder inquiries regarding transfers, lost certificates,  
dividend checks and address changes should be directed  
to Mellon Investor Services

### EXECUTIVE OFFICERS

Nathaniel A. Gregory  
*Chairman of the Board and Chief Executive Officer*

Patrick M. McCarthy  
*President and Director*

C. Frank Smith  
*Executive Vice President and President of NATCO US*

James Crittall  
*President of NATCO Canada*

David R. Volz, Jr.  
*President of TEST*

Peter G. Michaluk  
*Senior Vice President—Europe and Middle East and Managing Director of  
Axsia Group Limited*

Robert A. Curcio  
*Senior Vice President—Technology and Product Development*

Katherine P. Ellis  
*Senior Vice President, Secretary and General Counsel*

Byron J. Eiermann  
*Senior Vice President—Southeast Asia*

Richard D. Peters  
*Senior Vice President—Gas Membrane Systems*

Joseph H. Wilson  
*Senior Vice President—Marketing*

Ryan S. Liles  
*Vice President and Controller*

