# Unlimited Opportunity in the World of Motion and Control

# Craig Maxwell Vice President, Technology and Innovation

**Goldman Sachs Global Industrials Conference New York, NY** 

**November 6, 2008** 



## **Forward Looking Statements**

Forward-looking statements contained in this and other written and oral reports are made based on known events and circumstances at the time of release, and as such, are subject in the future to unforeseen uncertainties and risks. All statements regarding future performance, earnings projections, events or developments are forward-looking statements. It is possible that the future performance and earnings projections of the company and individual segments may differ materially from current expectations, depending on economic conditions within its mobile, industrial and aerospace markets, and the company's ability to maintain and achieve anticipated benefits associated with announced realignment activities, strategic initiatives to improve operating margins, and growth, innovation and global diversification initiatives. A change in economic conditions in individual markets may have a particularly volatile effect on segment results. Among the other factors which may affect future performance are: changes in business relationships with and purchases by or from major customers or suppliers, including delays or cancellations in shipments or significant changes in financial condition; uncertainties surrounding timing, successful completion or integration of acquisitions; threats associated with and efforts to combat terrorism; uncertainties surrounding the ultimate resolution of outstanding litigation; competitive market conditions and resulting effects on sales and pricing; increases in raw material costs that cannot be recovered in product pricing; the company's ability to manage costs related to employee retirement and health care benefits and insurance; and global economic factors, including manufacturing activity, air travel trends, currency exchange rates, difficulties entering new markets and general economic conditions such as inflation, interest rates and credit availability. The company makes these statements as of the date of this disclosure, and undertakes no obligation to update them.



# A purposeful confluence of capability, a fortunate confluence of global need

- Scale
- Positioning
- Leverage
- Execution
- Proof of Change



# **Uniquely Positioned to Address Global Challenges**

Energy



Food



Water



**Environment** 



Poverty



2008 = 6.7B people 2050 > 9B people

Terrorism/War



Disease



Education



Democracy



Population



### **Diversified Industrial**

- \$12.1 billion in revenue
- 960,000 Products
- 449,000 Customers
- 62,000 Employees
- 12,000+ Distribution/MRO Outlets
- 1,200 Markets
- 298 Manufacturing Plants
- 135 Divisions

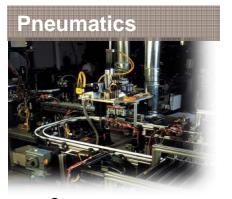




## **World Leading Technologies**

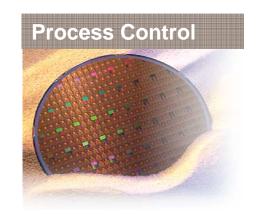












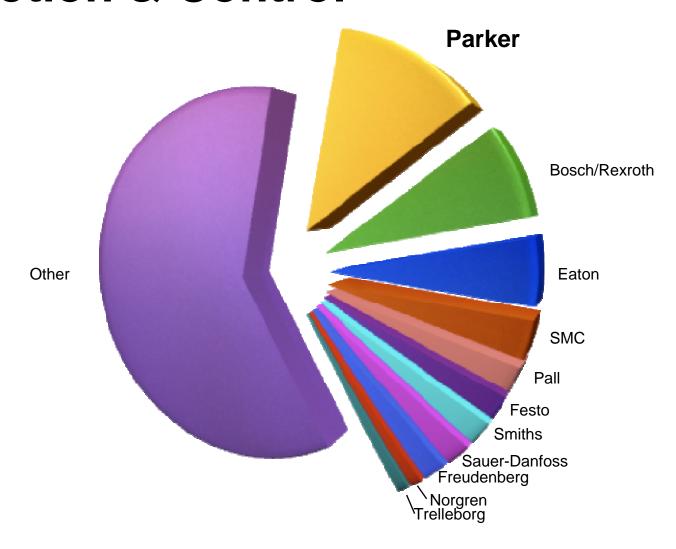






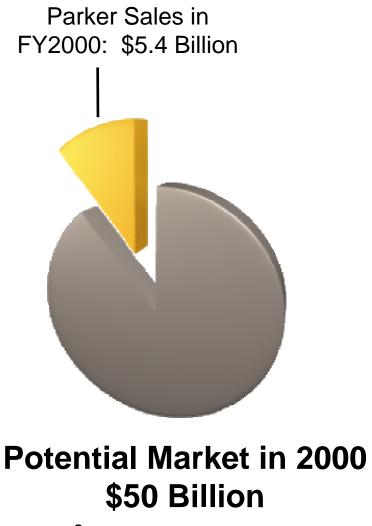


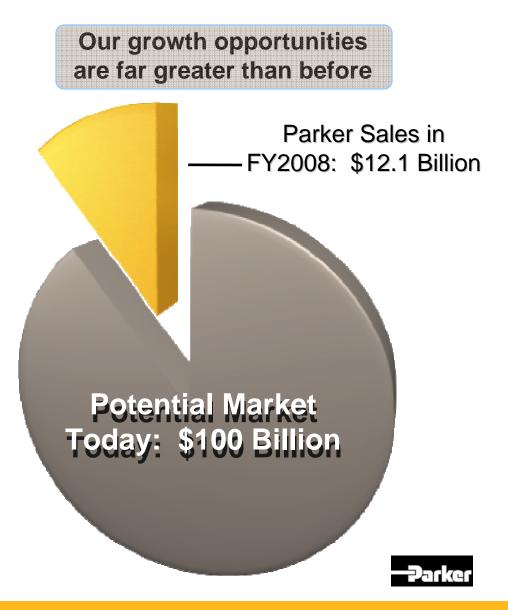
# Parker is the Global Leader in Motion & Control





#### **Parker Market Potential**





#### **FY08 Results**

### Record Results!

- Record sales
- Record operating margin %
- Record earnings
- Record ROS
- Record EPS
- Record cash flow from operations





In 2001, Parker developed and implemented the Win Strategy with a single goal: raise the performance of the company to a higher **level.** Without exception, this simple yet powerful plan is being executed by every one of Parker's



#### Specifically, The Win Strategy focuses on: Premier Customer Service

#### Strategies

Strategies · Suppliers - Strategic Procurement

· Deliver quality products on time

· Customers - Strategic Pricing

- · Value added services
- · Best systems PHconnect

#### Gnals

- ≥95% on time delivery
- Sole source customers
- · Partnership accounts
- · Selling total Parker

#### Goals

- · "Over the line" return on net assets
  - · 15% segment operating income
  - · Top peer quartile P/E multiple
  - · Premier diversified industrial
  - Best cost producer

#### Profitable Growth

Financial Performance

#### **Strategies**

- Innovative products
- Systems solutions

· Operations - Lean

· European initiatives

· Strong distribution



#### Goals

- · 10% compound growth
- ≥ 20% market share
- · #1 or 2 position for each business
- · 50% distribution / 50% OEM mix
- Winovation new product methodology

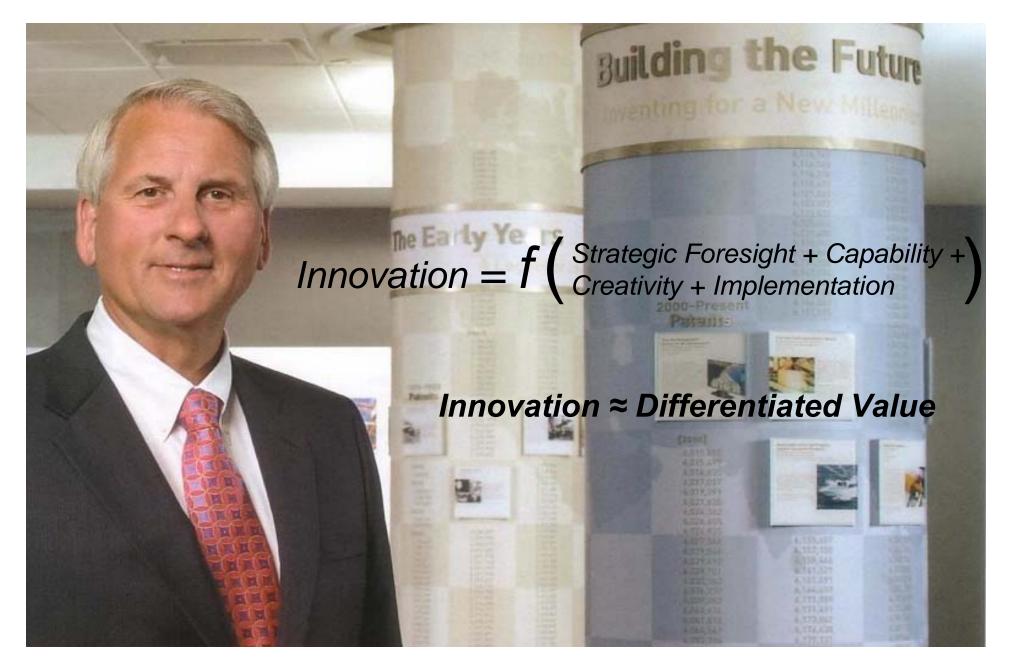
62,000 **Empowered Employees Worldwide**  "Parker's Win Strategy is about three things that matter most to investors: execution, accountability, and results. Today our company is stronger because the Win Strategy is working"

 Donald E. Washkewicz Chairman, Chief Executive Officer and President

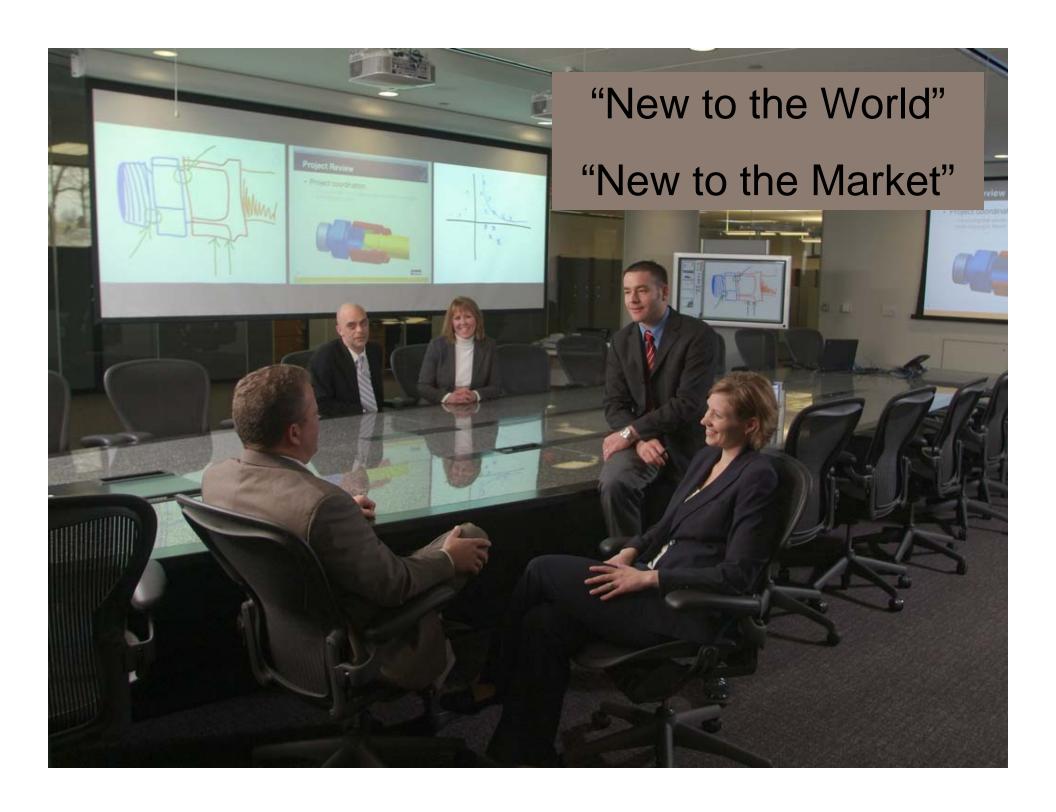
"Simplicity is the ultimate sophistication"

Leonardo da Vinci



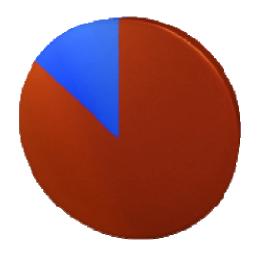






### **Value Innovation**

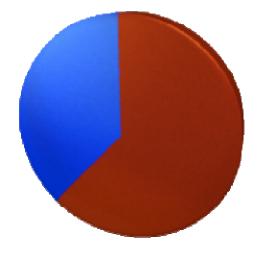




Portfolio

Incremental = 86%

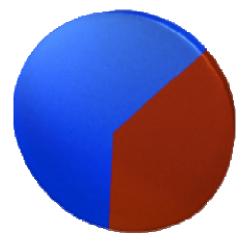
Value Innovations = 14%



Revenue

Incremental = 62%

Value Innovations = 38%



**Profit** 

Incremental = 39%

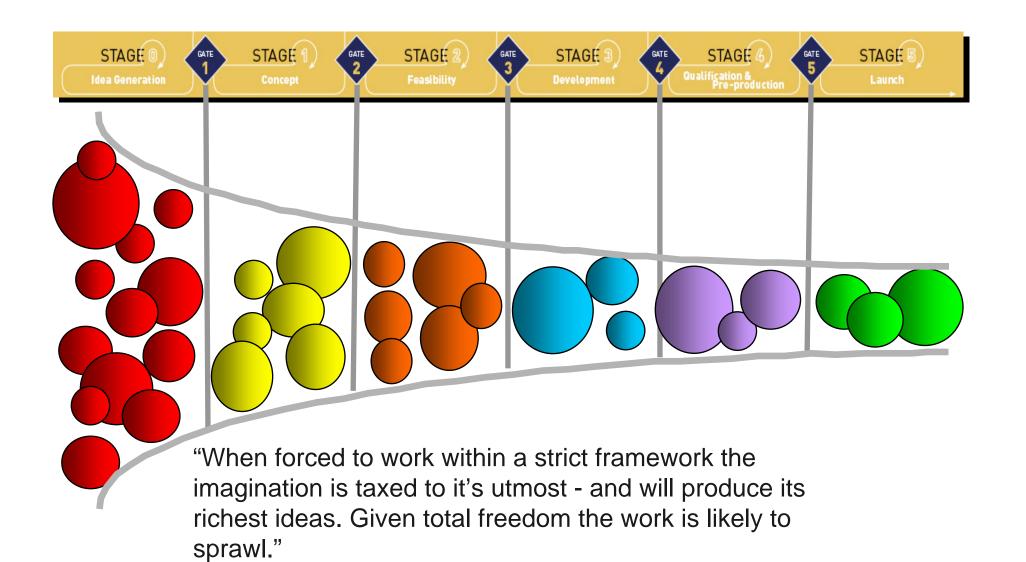
Value Innovations = 61%



### **Our Business Development Process**

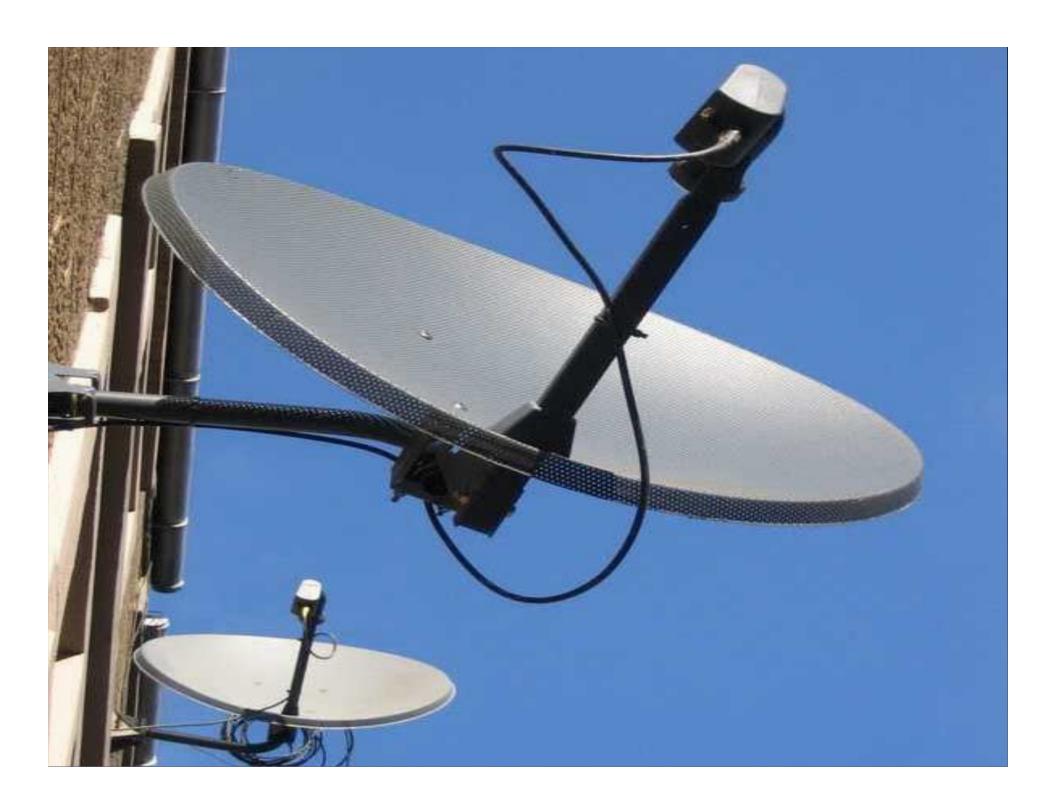
A collaborative and seamless process for competitive advantage. Market (Customers) Wingvation Identifying Selling Value Creating Value **Opportunities** New Product Sciution Strategic Marketing Commercialization Selling



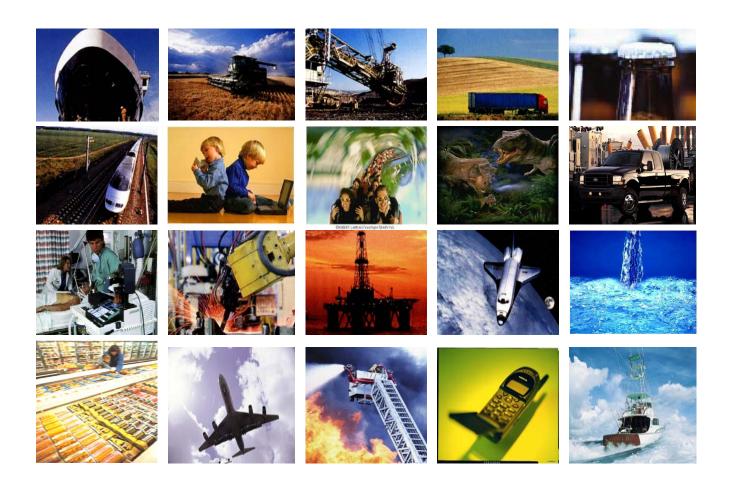


-T.S. Elliot





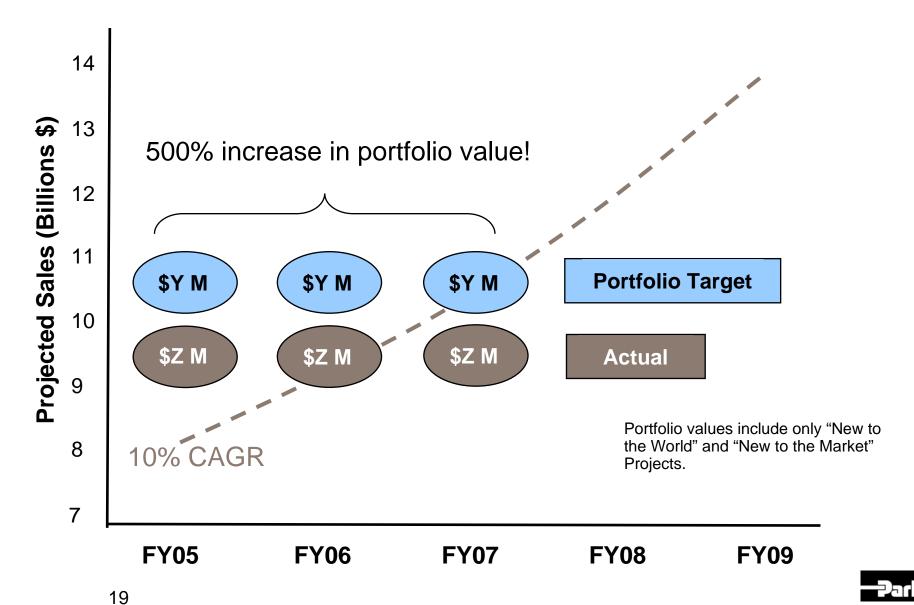




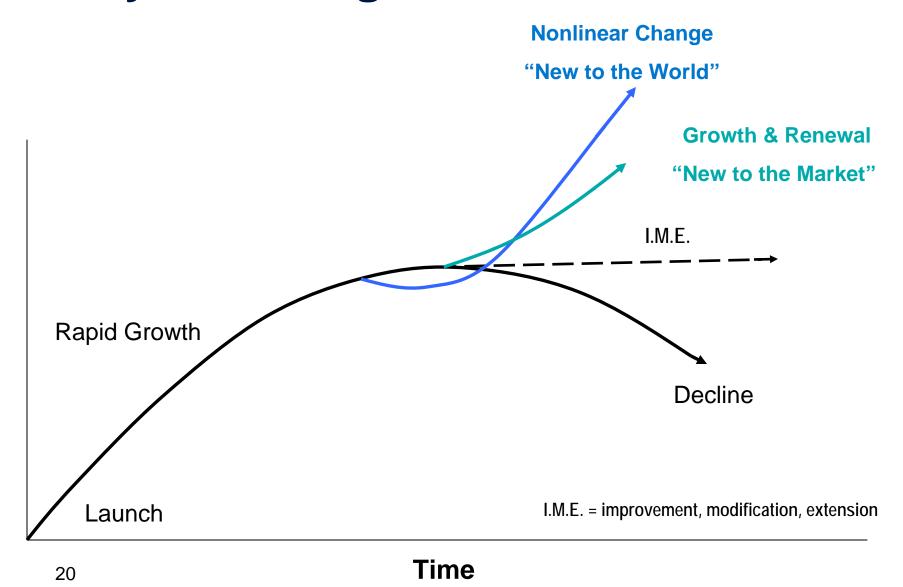
Innovation began to occur in the white space between "knowledge domains"



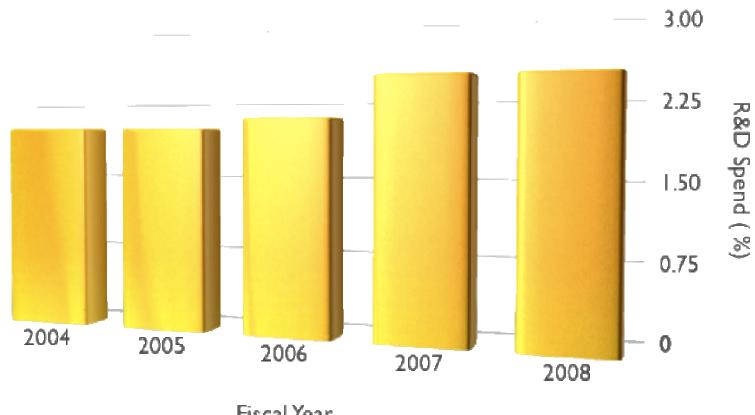
### **Portfolio Value**



## Lifecycle Management



### **R&D Investment**



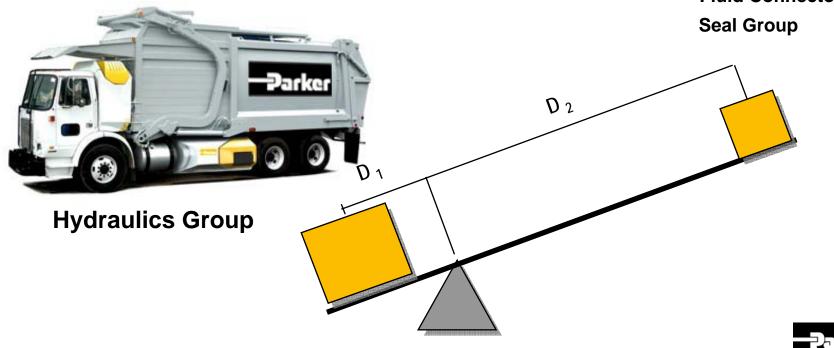
Fiscal Year



# Parker's Hydraulic Brake Energy Recovery System



Filtration Group
Fluid Connector Group

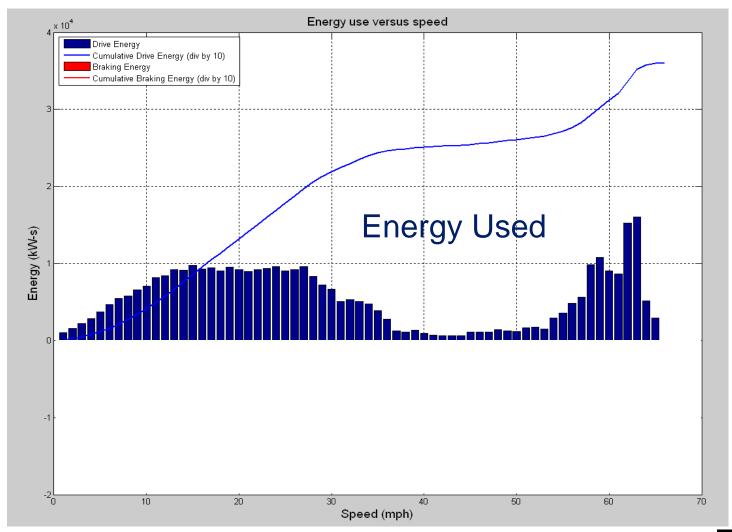


# **Improving Energy Efficiency**



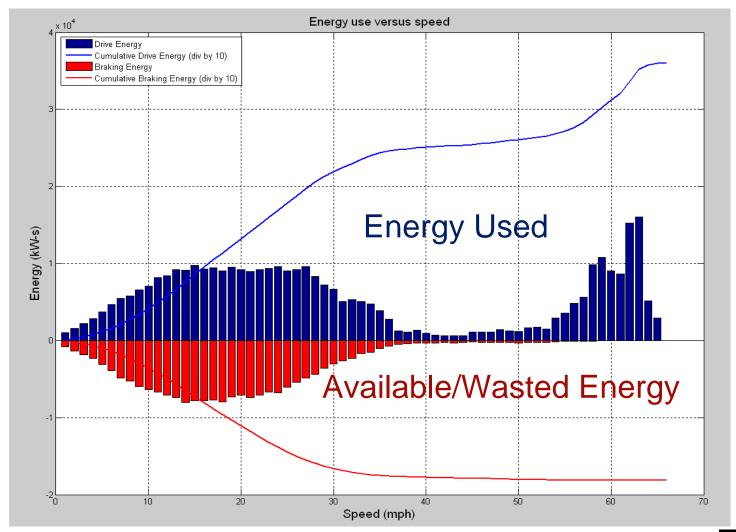


# Typical Fuel Usage - Daily Refuse Route



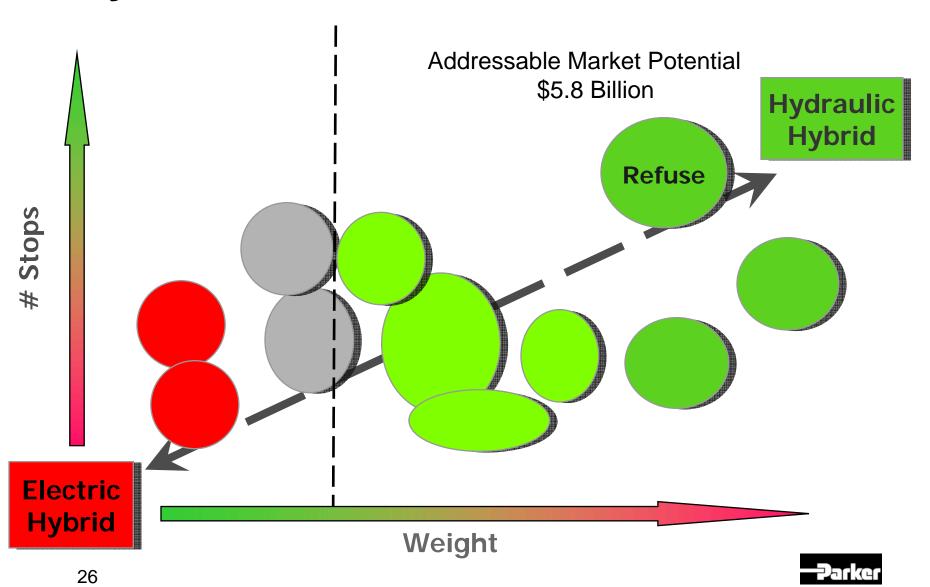


## Typical Fuel Usage - Daily Refuse Route





## Why focus on refuse vehicles first?



# Electric vs. Hydraulic Hybrids

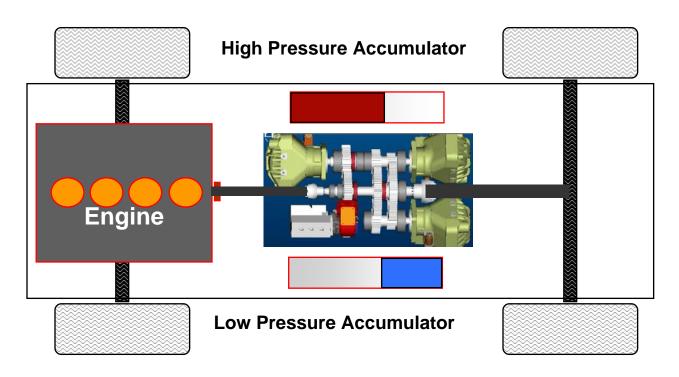
Characteristic	Hydraulic	Electric	
Power Density Motors	Hydraulic Motors 7000 W/kg	Electric Motors 600 W/kg	
Power Density Storage	Accumulators 3000 W/kg	Battery 650 W/kg	Ultra- Capacitors 2500 W/kg
Relative Cost	Low to Medium	Med	High
Relative Weight	Low to Medium	High	Med
Useful Life	10+ yrs	> 5yrs	?
Risk	Low to Medium	Med	High

#### Data source:

- SwRI study of Hybrid Technology
- Lawrence Berkley National Laboratory



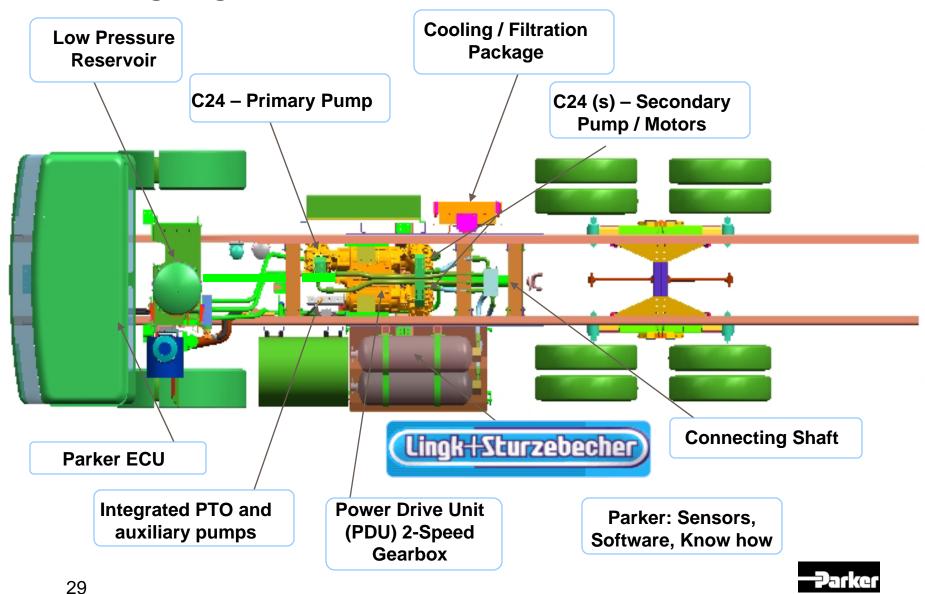
## Parker's Advanced Series Hybrid



- Advanced Series Hybrid with Brake Energy Recovery
- Low speed hydrostatic 0-25 MPH
- High speed hydrostatic 26-45 MPH
- Direct drive 46-65 MPH (Hydraulics Disengaged)



## Leveraging Parker



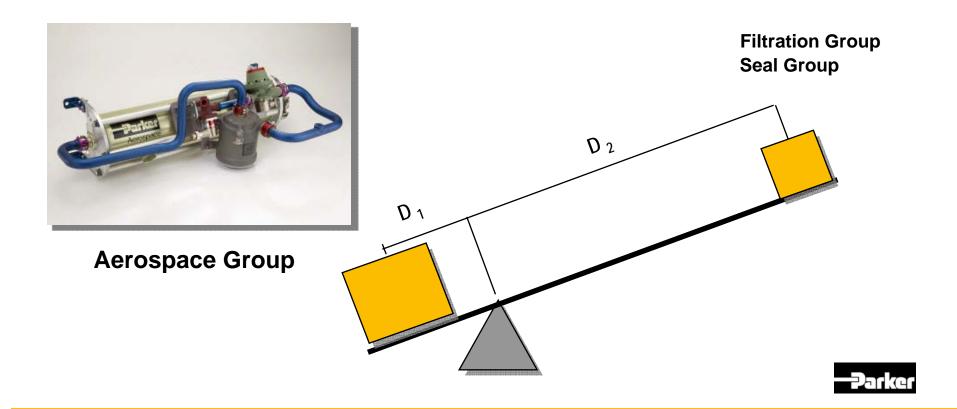
# A confluence of capability and customer need





# Parker's Aircraft Fuel Tank Inerting Systems





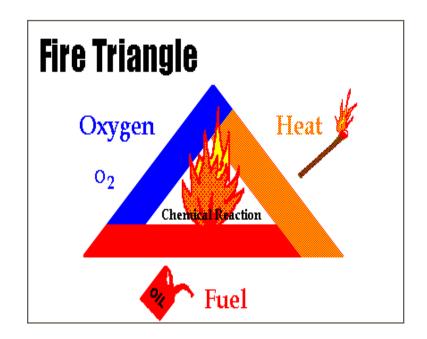
### The Problem:





## **Regulatory Overview**

- 1. SFAR 88\*
  - Elimination of Ignition Sources
- 2. NPRM\*\* for Flammability Reduction
  - Proposed Rule for Minimization of Flammable Mixtures in the ullage (air that exists in the fuel tank)





<sup>\*</sup>Special Federal Aviation Regulation – fuel tank fault tolerance evaluation requirements

<sup>\*\*</sup>Notice of Proposed Rule Making

## **Regulatory Overview**

#### FAA Mandates Center Fuel Tank Inerting Technology

Jul 17, 2008

Within two years, all new aircraft must include technology designed to significantly reduce the risk of center fuel tank fires

as part of a final rule announced Wednesday by U.S. Transportation Secretary Mary E. Peters. In addition, passenger aircraft built after 1991 must be retrofitted with technology designed to keep center fuel tanks from catching fire

Minimization of Flammable Mixtures in the ullage (air that exists in the fuel tank)



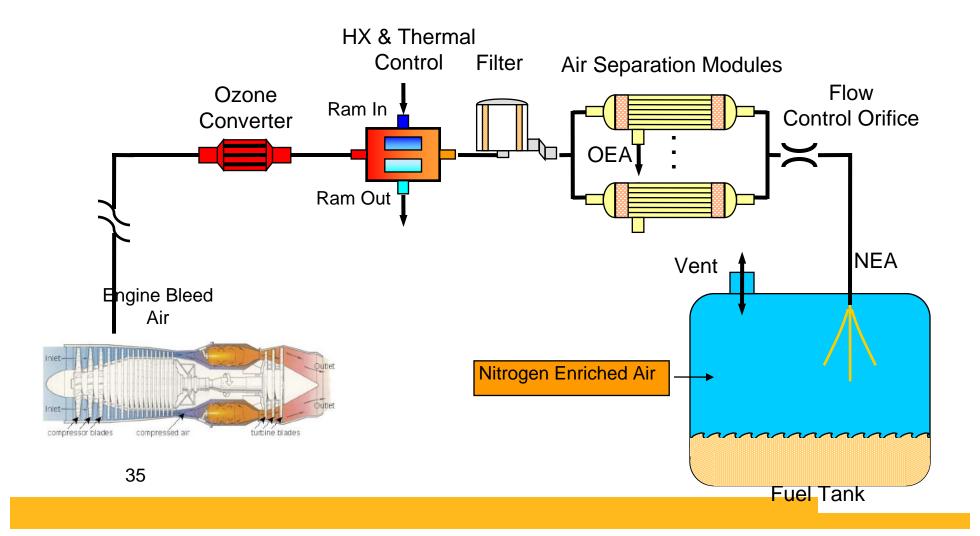


<sup>\*</sup>Special Federal Aviation Regulation – fuel tank fault tolerance evaluation requirements

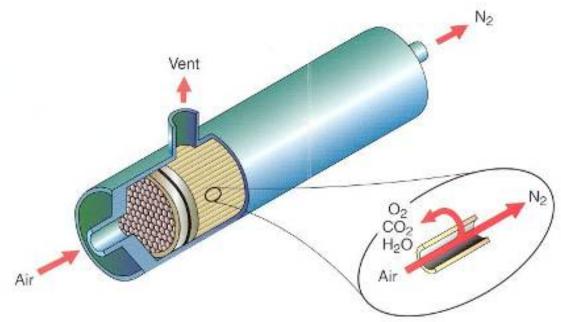
<sup>\*\*</sup>Notice of Proposed Rule Making

### **How It Works: Inerting System Architecture**

#### **Conventional System: Bleed-Air Source**



# Equipment Design & Development: Permeable Membrane Fiber Knowledge



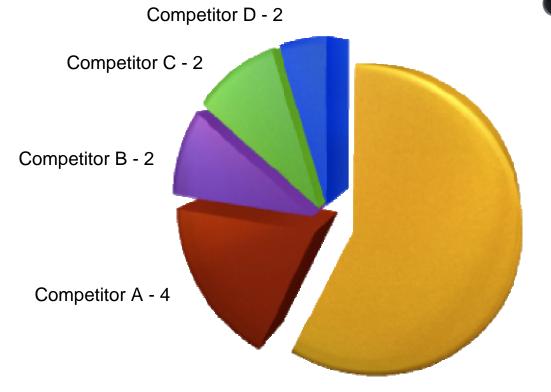
Fiber membrane technology supplied from Parker's Filtration Group

Parker's Technology Reduces Risk and Enables Selection of the Best Fiber for a Specific Application



### **Current Market Share**

Aerospace Fuel Tank Inerting Systems Military & Commercial



Airbus A350XWB

Parker - 12

AIRBUS A350-800 ....



#### **Market Potential**

Commercial Aerospace Market \$4.7B (29,000 Aircraft over 30 years)

#### Other markets:

- Military Helicopters
- Cargo fire suppression
- Ship board ballast tank inerting (bio remediation)
- Ground based future combat systems



# A purposeful confluence of capability, a fortunate confluence of global need

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- Positioning
- Leverage
- Execution
- Proof of Change



# Thank You!

