

## overview

Suntech Power Holdings Co., Ltd. (NYSE: STP) is the world's leading solar energy company as measured by production output of solar modules. Suntech designs, develops, manufactures, and markets premium-quality, high-output, cost-effective and environmentally friendly solar products for electric power applications in the residential, commercial, industrial, and public utility sectors. Suntech's patent-pending Pluto technology for crystalline silicon solar cells improves power output by up to 12% compared to conventional production methods.

Suntech also offers one of the broadest ranges of building-integrated solar products under the MSK Solar Design Line(TM). Suntech designs and delivers commercial and utility scale solar power systems through its wholly owned subsidiaries Suntech Energy Solutions and Suntech Energy Engineering and will own and operate projects greater than 10 megawatts in the United States through Gemini Solar Development Company, a joint venture with MMA Renewable Ventures. With regional headquarters in China, Switzerland and San Francisco and sales offices worldwide, Suntech is passionate about improving the environment we live in and dedicated to developing advanced solar solutions that enable sustainable development. For more information, please visit <http://www.suntech-power.com>.



## our vision

Across the globe, demand for energy is accelerating on a daily basis. While traditional fossil fuels continue to play a major role, the demand for alternative energy sources is outpacing the global market. Clean, reusable and affordable solar power is increasingly being recognized worldwide as the leading emerging new energy source for the 21st century.

Suntech is committed to becoming the "lowest cost per watt" provider of PV solutions to customers worldwide. By focusing on technical leadership through original R&D and a culture based on innovation and cooperation. Suntech is working daily to realize its vision to be a global energy leader, providing efficient solar solutions for a green future.



**As one of the largest solar energy companies in the world, Suntech**

**is passionately committed to delivering alternative energy choices through lasting partnerships in order to build a bright, sustainable future.**

## our products

Suntech's product quality has been certified by a number of international standards receiving: UL Certificate, ISO 9001:2000, TÜV, CE certificate and IEC61215:1993.

- **POLYCRYSTALLINE PV CELLS AND MODULES**
  - Delivers the most cost effective and reliable power for on-grid and off-grid residential and commercial systems.
- **MONOCRYSTALLINE PV CELLS AND MODULES**
  - Provides the highest energy output per Watt.
  - Offers superior conversion rate and exceptional low- light performance.
- **MSK SOLAR DESIGN LINE™ BUILDING INTEGRATED PHOTOVOLTAICS (BIPV) MODULES**
  - Integrates PV into the design and structure of the building. BIPV functions as a PV module to generate electricity as well as being building materials such as a roof, glazing, or wall.

### MARKETS ON-GRID POWER SYSTEM

Residential and commercial building solar systems, industrial applications, and "solar farm" installations, increasingly of multi-megawatt size. The electricity generated can be fed back into the power grid as a revenue generator.

### MARKETS OFF-GRID POWER SYSTEM

Off-grid applications include communications systems, street lighting, back-up power suppliers, rural healthcare and water pumping, purification and irrigation.



## market overview

### NYSE: STP

Share price: \$10.64

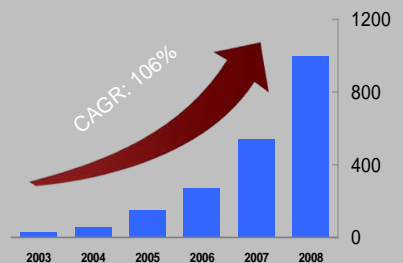
Market cap: \$1.65bn

(as of January 15, 2009)



## production capacity

### SUNTECH YEAR-END EXPECTED PV CELL PRODUCTION CAPACITY (MW)



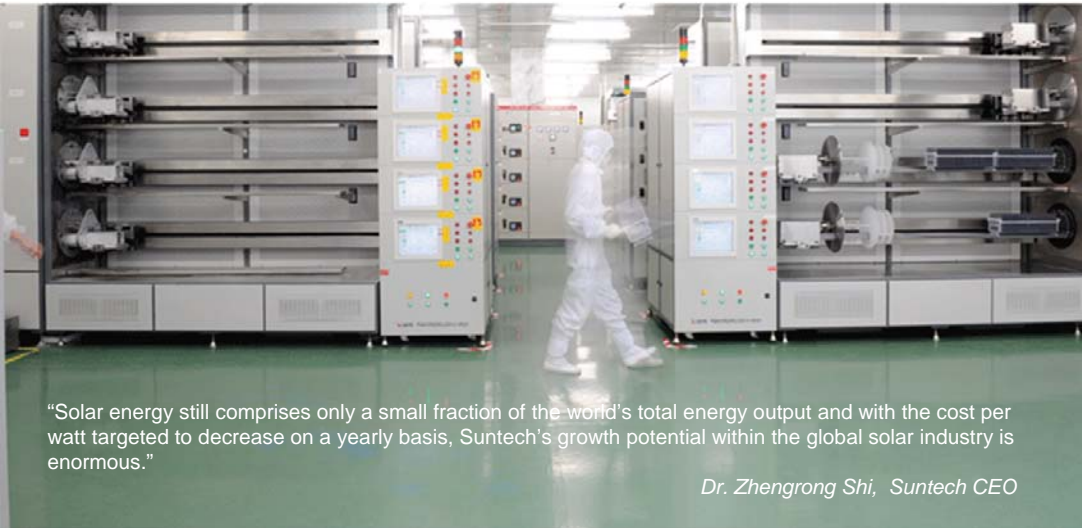
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"Solar energy still comprises only a small fraction of the world's total energy output and with the cost per watt targeted to decrease on a yearly basis, Suntech's growth potential within the global solar industry is enormous."

*Dr. Zhengrong Shi, Suntech CEO*

## key investment highlights

### STRONG MARKET GROWTH OUTLOOK

The PV sector, which only constitutes a small fraction of the world's energy output, has significant growth potential. A growing number of countries support PV through government subsidies: Italy, Spain, various states in the USA and South Korea, etc. Key drivers include: high oil price, energy security, energy efficiency, environmental awareness and sustainability.

### LEADING MARKET POSITION WITH HIGH GROWTH POTENTIAL

According to Photon International, in 2007 Suntech was the world's largest producer of PV modules and third largest producer of PV cells. In 2008, Suntech intends to continue this fast paced growth and achieve 490MW of shipments and 1GW of PV cell production capacity.

### LEADING R&D CAPABILITIES

Suntech has built up a dedicated R&D team of over 240 staff, including 130 PV experts from China and abroad. Suntech also collaborates with the University of New South Wales in Australia, a globally recognized leader in PV research, to develop new technologies including 20% conversion efficiency "Pluto" technology.

### SUSTAINABLE COST ADVANTAGE

With China-based, semi-automated manufacturing, Suntech combines stringent quality and cost controls, with industry low operating expenses, taxes, and capital expenditures on state of the art production lines. In addition, Suntech's rapid capacity growth leads to the benefits of economies of scale.

### STRONG SUPPLIER RELATIONSHIPS

A diversified sourcing strategy and strong relationships with long-term silicon suppliers allows Suntech to benefit from silicon prices below the spot market. Suntech recently signed supply contracts with Asia Silicon, DC Chemical, Hoku Materials, Nitel Solar and ReneSola.

### BROAD PRODUCT PORTFOLIO – BIPV AND THIN FILM

In addition to the standard PV modules, Suntech has one of the world's broadest ranges of BIPV products to suit a wide range of solar applications. By the end of 2008, Suntech will also complete installation of a 50MW thin film line in Shanghai

### EXPERIENCED INTERNATIONAL MANAGEMENT TEAM

Suntech's senior management team has extensive experience in solar research and the commercialization of PV technologies.

## our management

### DR ZHENGRONG SHI, Founder, Chairman, CEO

- Founded Suntech in 2001
- Former senior research scientist with 11 patents
- Headed Thin Film Solar Cells Research Group at the University of New South Wales
- Named China's "2007 Green Person of the Year"
- Named one of the "Heroes of the Environment" by TIME in 2007

### AMY YI ZHANG, CFO

- Formerly director and CFO of Deloitte Consulting China
- Former CFO of Atos Origin China

### JOHNSON CHIANG, COO

- Many years of experience in BD, manufacturing and supply chain management for Foxconn Technology Group and Solectron Corporation.
- MBA from Santa Clara University in California

### DR STUART WENHAM, CTO

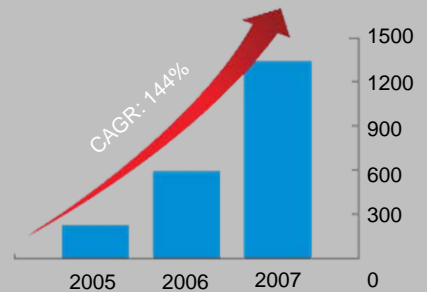
- Professor at UNSW and Director of the Centre for Excellence for Advanced Silicon PV and Photonics at UNSW
- Former Director of Research at Pacific Solar

### STEVEN CHAN, CSO

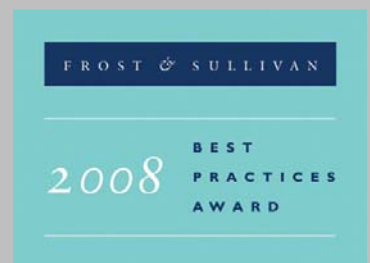
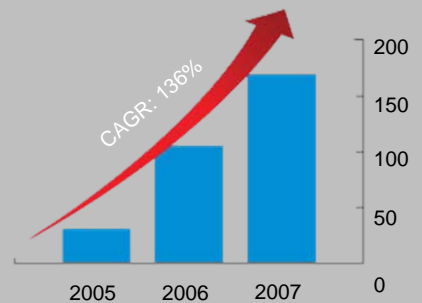
- Former Acting CEO and General Counsel of CDC Corp.
- New York-qualified corporate attorney previously served with Morrison & Foerster LLP and Milbank, Tweed, Hadley & McCloy LLP

## financial highlights

### REVENUE (USD millions)



### NET INCOME AND MARGIN (USD millions)



Leading by Example: In 2008 Suntech was named Frost and Sullivan's 2008 Solar Energy Development Company of the Year for its unparalleled excellence in design and delivery of high-quality photovoltaic cells and modules.

This document contains statements regarding the Company's projected financial and operating results, market opportunity and business prospects that are individually and collectively forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. These forward-looking statements are not guarantees of future performance and are subject to known and unknown risks, uncertainties and assumptions that are difficult to predict. Therefore the Company's actual results, levels of activity, performance or achievements could differ materially and adversely from results expressed in or implied by this document. The Company assumes no obligation to update any forward-looking information contained in this document.