



PROJECT OVERVIEW

Location: Wuxi, China

Completed: December 2008

Owners: Suntech Power Holdings Co., Ltd.

Architect: Wieser, Austria

Construction area: 18,000m²

Solar Façade Installer: Suntech Energy Engineering Co., Ltd.

Installed power output: 710kW (façade) + 300 kW(roof) = 1.01MW

PV Façade size: 6,900m²

Panel size: 2.2m x 1.12m (façade), 1.482m x 0.992m(roof)

Number of panels: 2,574pcs(façade), 1800pcs(roof)


Product: Suntech Light Thru™ Solar Glazing Panel

Energy Saved: 730,000kWh + 290,000kWh=1,020,000 kWh annually

BENEFITS

- 1,020,000 kilowatt hours saved annually
- Reduction of Suntech Headquarters' carbon footprint by 29,000 tons of carbon dioxide over a 25-year period
- Installation demonstrates to the community how solar energy can be integrated into daily life
- Reduction of 9,180 tons of standard coal over a 25-year period
- Supplies 80% of total power demand for the whole building in combination with other energy-saving technologies

"We believe that building integrated solar systems are the way forward for environmentally friendly architecture and our new headquarters is an excellent demonstration of how solar can be seamlessly incorporated into modern and attractive buildings."



Suntech's Chairman and CEO

World's Largest On-grid Photovoltaic Façade System

1MW On-grid Photovoltaic Façade System

The 18,000 square meter Suntech Green Energy HQ Building incorporates the world's largest on-grid photovoltaic Façade system, with over 2,570 semi-transparent Light Thru™ solar panels and an annual power output of 730,000 kilowatt hours.

Suntech's Light Thru™ Solar Glazing Product Chosen for Its Environmental and Aesthetic Strengths

Suntech chose Light Thru™ for its ability to generate clean power and contribute to the elegant design aesthetic they envisioned for their office building. Light Thru panels form the impressive façade, covering over 6,900 square meters and forming the cornerstone of Suntech's overall design strategy for an environmentally responsible headquarters.



Suntech was founded on a passion for solar energy and its power to transform the way we live. Our dreams for tomorrow are BIG and our company has grown exponentially to realize our aspirations for a greener tomorrow.

Today we stand on the cusp of a revolution that will change the way the world generates electricity, and at Suntech we are working hard to introduce tomorrow's technology to the world today!

This is Suntech. We believe in the power of solar energy. It is what we do. ***It is all that we do!***

Suntech Uses Installation to Deliver Clean, Dependable and Efficient energy and Educate the Public on Solar Energy

The Suntech Green Energy HQ Building advances the spread of green energy and simultaneously educates the local community about ecological responsibility, energy saving, and sustainable development. In addition, it has enabled the public to gain a deeper understanding of Suntech's mission.