

## Case Study

### Gunkul Power Station Project



#### PROJECT OVERVIEW

- Project Name: Lum Rang Solar Power plant project; Tao Pun Solar Power plant project; NongChumPhon solar power plant project; Klat Luang solar power plant project and so on.
- System Size: 63 MW
- Completed Date: October 2015
- Location: Thailand
- Type of Solar Panel: STP 305 - 24/Vem & STP 310 - 24/Vem
- Owner: Gunkul Engineering Public Co., Ltd

#### BENEFITS

- Energy Saved: 94,000 MWh annually
- The solar plants are expected to generate 94,000 MWh of electricity per year, saving fossil fuels of 30,174 tons, reducing 56,000 tons of carbon emissions a year.
- Supply power to approximately 24,000 households for Thailand residents annually

**“We chose to partner with Suntech particularly because of their continual investment in research and development and product performance enhancement, which had allowed Suntech to deliver the highest performing solar modules available in the market”**

**Ms. Sopacha Dhumrongpiyawut  
President of Gunkul Engineering**

## **Gunkul Power Station project paves the way for Thailand becoming the biggest photovoltaic market in southeast Asia**

Thailand is in the center of Southeast Asia and located in the area of tropics. The vast majority of the region is a climate type of tropical monsoon with abundant sunshine. which makes Thailand suitable for developing the solar power.

Gunkul Power Station project includes 8 photovoltaic power station projects totally: Lum Rang Solar Power plant project; Tao Pun Solar Power plant project; NongChumPhon solar power plant project; Klat Luang solar power plant project and so on, and the total system size is 63MW. All these projects choose Suntech Vem poly modules. Based on IHS market research, in terms of installation capacity, Thailand is expected to be one of the future leaders of the emerging markets. The completion of the Gunkul power station project paves the way for Thailand becoming the biggest photovoltaic market in Southeast Asia.

### **Suntech Modules Delivers a Harvest of Energy**

Suntech provided the Gunkul Engineering projects with its Vem series poly modules, which are compatible with utility-scale size power installations. These panels are well suited for Thailand's hot and humid climate, providing higher power performance, while reducing the probability of micro-cracks and hotspots.



The solar plants are expected to generate 9,400 MWh of electricity per year, enough to power approximately 24,000 households, while reducing approximately 56,000 tons of carbon emissions and 30,174 tons of fossil fuels annually.