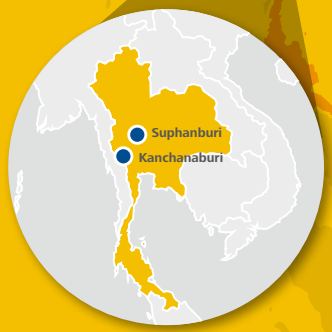
south pole group

SIAM SOLAR ENERGY THAILAND



Leading the way to a sustainable energy future in Southeast Asia

Innovative solar photovoltaic technology helps to reduce Thailand's dependence on fossil fuels, improves energy access in rural regions, and contributes to boosting local economies. The Siam Solar Energy Project in central Thailand bundles 10 solar farms with a total capacity of 104.7 MW and generates 148,477 megawatt hours of clean, renewable energy delivered to National grid system each year.

Transforming Thailand's renewable energy landscape with clean solar power.

The Context

Thailand is one of the largest energy consumers in Southeast Asia and the second largest oil importer in the region, with the fossil fuels currently accounting for around 80% of total energy demand. The government aims to tackle this dependence on fossil fuels and lead the way in the use of renewable energy in Southeast Asia.

The Project

Solar is poised to play a crucial role in Thailands future energy transition. The Siam Solar Energy project bundles 10 plants of solar photovoltaic power plants across the Kanchanaburi and Suphanburi provinces in Thailand's agricultural center. The solar PV systems are a cutting-edge, environmentally sound technology with a capacity of 10.5 MW per plant providing clean, renewable energy to the national grid.

The Benefits

This bundled project reduces Thailand's reliance on imported energy and drives further economic growth in the country and in the region. Aside from meeting the energy demand for people in central Thailand, the project improves local infrastructure and provides employment opportunities to skilled and unskilled workers from communities within the project area in manufacturing, installation, operation and maintenance of equipment.

Official Name

PV (Bundle) Siam Solar Energy

Commercial Operation Date

September 2013 - June 2014

Total capacity

104.7 MW, 10 installations of 10 MW each

Estimated Annual Electricity Generation

148,477 MWh

Quality Assurance and Verification

- Annual audit provided by third-party auditor
- Annual electricity verified by URS Verification Private Limited

Transparency

- RECs listed in GoldPower Register
- Underpinning carbon credits retired in Gold Standard Markit Registry

Reportability

Meets GHG Protocol Scope 2 Guidance criteria

SUSTAINABLE DEVELOPMENT GOALS
17 GOALS TO TRANSFORM OUR WORLD

GoldPower

37 employees

as technical staff receive on-site training, building capacity in rural Thailand

148,477 MWh

generated on average annually, providing a clean alternate energy source

100 jobs

created at plants, boosting local economies

10 plants

operating with innovative solar technology, setting a standard for sustainable development

For more information on the UN Sustainable Development Goals, please visit: http://www.un.org/sustainabledevelopment/sustainable-development-goals/

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