



# LOPBURI SOLAR THAILAND

**Harnessing the power of the sun to  
generate renewable power**



*Located in the central region of the country, the project involves the construction and operation of a 6MW solar power plant. The solar panels convert energy from sunlight into clean renewable electricity that is sold to the Provincial Electrical Authority. The project helps to mitigate GHG emissions by displacing energy derived from fossil-fuels while boosting the renewable energy industry in Thailand and providing local jobs.*



### The Context

Thailand uses natural gas for around 70% of its energy generation. However national reserves are depleting, which is creating a growing reliance on imports from neighbouring countries such as Myanmar and Malaysia. Thailand is looking for alternatives to secure its energy supply, particularly as economic development and tourism are increasing demand.

### The Project

Located in Lopburi Province in the central region of Thailand, the project involves the construction and operation of a 6MW solar power plant. The plant is grid-connected, with the net power being sold to the Provincial Electrical Authority (PEA) under the VSPP regulation with the Adder scheme.

### The Benefits

The energy produced by the solar project displaces energy produced by fossil fuels, helping to reduce GHG emissions into the atmosphere and secure the national energy supply. The project represents an important step in promoting alternative energy consumption in the region, investing in renewable energy projects helps to build the infrastructure, skills and job security needed to create a booming renewables industry.

The Lopburi province receives on average 9 hours of sunshine during the dry season, making it very suitable for a solar project

#### Commercial Operation Date

04 February 2014

#### Total capacity

6MW

#### Grid

Thai Provincial Electrical Authority

#### Reportability

GHG Protocol Scope 2 criteria, RE100, CDP

#### Registry link

<https://registry.irecservices.com/Public/ReportDevices/>

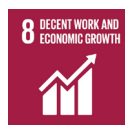
#### Registry ID

LOPBURI1



**9,700  
MWh**

renewable energy sent to the grid on average per year



**5  
jobs created**

through the project, supporting local economic development



**5,500  
tCO<sub>2</sub>e**

mitigated on average per year

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

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