Trinasolar
Smart Energy Together

CASE STUDY

CADIZ SOLAR POWER PLANT, PHILIPPINES

OVERVIEW:

The Cadi Solar Power Plant was built to withstand the toughest weather conditions in a t phoon-prone area in Cadi , Philippines and is one of the largest solar power facilities in Southeast Asia.

SIZE: 132.5MW
SYSTEM TYPE:
Ground Mounted

COMMERCIAL
OPERATION DATE:
February, 2016

DEVELOPER:
Helios Solar
Energy Corp

MODULES:
129,100 Trina
Solar Tallmax
TSM-PC14

CO_2 SAVINGS:
94,627 tons/year

SITUATION

The 132.5MW Cadi Solar Power Plant in the Philippines, a project for Singapore-based Equis Fund Group, is one of the largest solar power facilit in Southeast Asia. Opened in March 2016, the 176-hectare facilit was built to withstand the toughest conditions as it is located in a t phoon-prone area in Cadi , Negros Occidental.

In addition to the t phoon risks, the project is located three kilometres from the coastlines, where strong winds, high humidit and salt air prevail. In selecting solar module manufacturers, solutions which had a reduced installation time, reduced balance of s stem (BOS) costs, and could withstand these conditions were vital for the customer.

EXECUTION

The environmental conditions call for superior performance solar modules resistant to potential induced degradation (PID), salt spra corrosion and wind pressure, and Trina Solar's Anti-PID solar products were well equipped to meet the requirements.

The power plant started connecting to the grid in Februar 2016 and signi cantl contributes to Philippines' national initative to move towards cleaner energ sources. The solar farm is projected to produce 188,500 MWhs of solar-generated power per ear for the utilit sector and lower carbon emission b 94,627 tons. The power plant has been performing be ond our e pectations. Craig Marsh, Partner at Equis Fund Group said.

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The Cadi Project was developed b Helios Solar Energ Corp a joint venture between Gregorio Araneta Inc and Soleq and Equis Pte. Ltd., Asia's largest independent renewable energ developer and investor.

PRODUCT SOLUTION

Trina Solar Tallma TSM-PC14 series module was chosen because of its solid track record of deplo ment in man large scale power plants globall . The high power footprint reduces installation time and BOS costs, making it the preferred choice for man developers. PC14 is PID resistant and able to withstand up to 35mm hailstones at 97km/h. The panel comes with a 10 ear workmanship warrant , and a 25 ear linear power output warrant .