



# A 20 MW FIELD INSTALLATION IN TARLAC CITY, PH



32,000 MWh sustainable energy p.a.  
18.6 m kg CO<sub>2</sub> savings p.a.

**Tarlac City, Philippines:** The metropolitan area surrounding the city of Manila has over 13 million inhabitants. The public grid is constantly affected by failures, leaving residents unable to rely on a stable energy supply. For this reason, more and more photovoltaic systems have cropped up over the past few years, which help to stabilise the grid and improve the population's power supply.

## HIGHER YIELDS IN EVENT OF SHADE, DIFFICULT TERRAIN AND SOILING

Using string inverters in this size of installation is quite unusual. The fact that Solenergy Systems opted for the Fronius Eco devices brings huge benefits in terms of yield: *“Due to the number of inverters, the system works more efficient than it would do with central inverters. This is as the Ecos are better able to deal with conditions such as partial shade, uneven ground and solar module soiling. This 20 MWp Fronius plant has a 50 MWp sister plant using central inverters located beside it. The Fronius plant synchronizes earlier and de-synchronizes later than the central inverter plant - by a full hour! That's more kWh for the client and a greater confidence for us in meeting our guaranteed annual outputs.”* explains Alidon.

SYSTEM DATA	TARLAC CITY, PHILIPPINES
Size of installation	20 MWP
System type	Field installation
Inverters	612 Fronius Eco 27.0-3-S
Further Fronius components	Sensors for ambient temperature, module temperature and irradiation
Commissioned	April 2019
Annual yield	32,000 MWh
CO <sub>2</sub> savings / year	18.6 m kg
Installation time	5 months

*„We love how Fronius has, not only customer service, but also customer empowerment in mind. Their System Partner program allows us to provide proactive after-sales service to the client in-country. This reduces the service time by as much as 99.9% - from months to hours.“*



Cris Vincent Alidon, Project Manager from Solenergy Systems

