



GOODWE
YOUR SOLAR ENGINE

CASE STUDY



5MW Solar Rooftop System In the Sunny South of Vietnam

Generates 565,000 USD per year for the owner

Background:

Dong Nai is considered a province of great development potential in rooftop solar energy. The province is rich of solar resources with an average yearly irradiation reaching 1850 kWh / m² and average total sunshine hours at approximately 2500 hours / year.

Dong Nai presents many advantages for solar energy projects, especially in industrial zones and industrial clusters.

Solution:

The project owner chose Dien Xanh 365, an outstanding EPC provider in Vietnam, for the installation. To maximize cost efficiency, Dien Xanh 365 proposed 410W JA solar panels to be paired with GoodWe GW120K-HT and form a 5MW solar system which is expected to earn over 565k USD per year and minimize O&M costs.



Installation details

Location: Nhon Trach Industrial Zone, Nhon Trach, Dong Nai province, Vietnam

EPC: Dien Xanh 365

System Capacity: 5MW

Installation time: 15/11/2020 - 25/12/2020

Panels: JA Solar 410W * 12300 units

Inverters: GW120K-HT * 37 units

(average operation time: 10 hours/day)

Electricity generation: 7GW/ year

System performance:



Environmental effect:

PV generation spares 5,667,000 kg of Carbon Dioxide, equivalent to



24,596,793
square meters of
forest in a year



1,079 cars driven
for 1 year



2487 tonnes of
coal burned



2,113,040 liters
of gasoline
consumed



603,442,084
smartphone
charges



901 homes'
annual electricity
consumption

“ GoodWe is an iconic brand in the industry. Dien Xanh realized GoodWe's inverters are of very good quality, stable operation and high efficiency. GoodWe's after-sale service is also very efficient with prompt response and professional support. We are very satisfied and reassured when choosing GoodWe inverters for our rooftop solar power systems. ”

Dien Xanh 365, EPC of the project