

PMFTC is Going Green in Batangas

PMI's Philippine Affiliate Inaugurates Solar Power Plant

In a continuous effort to reduce CO₂ emissions, Philip Morris International's affiliate in the Philippines PMFTC Inc. has invested USD 3.1 million in 2018 in a solar power plant at its manufacturing facility in Batangas. With its installation, the largest of this kind for PMI, PMFTC became the company's third affiliate in Asia to have its own solar power plant, next to Pakistan and Indonesia. Reducing the environmental footprint of its business is a key pillar of PMI's sustainability strategy. Using science-based innovative energies to replace conventional fuels is also aligned with its vision of a smoke-free future.

The solar power plant will produce 3,500 MWh of emission-free electricity, converting solar energy to electricity by using photovoltaic modules. This is expected to result in a CO₂ reduction of more than 2,000 tons annually, equivalent to the emissions of a Boeing 747, flying 60 trips from Manila to Hong Kong each year. The 2.5-megawatt solar power plant was constructed in support of the Philippine government's Renewable Energy Roadmap 2017-2040 that seeks to establish at least 20,000 megawatts of renewable energy sources by 2040.



Technical characteristics

The solar power plant has a rated capacity of 2.5 MWDC. It covers an area of approximately 2.5 hectares. The solar power plant utilizes 6,354 high performance mono-crystalline modules with one of the industry's highest electricity output per square meter of solar module and the lowest annual decline in efficiency. The photovoltaic modules are anchored to the ground with 3,213 concrete pile foundations buried almost 2 meters deep and mounted to 199 photovoltaic tables. The installation can withstand a category 5 typhoon and earthquakes up to magnitude 8 on the Richter scale. 18 of the latest high capacity inverters, first in the Philippines, distributed evenly in 3 inverter stations, will convert the produced DC electricity to useable AC electricity.

Sustainability at PMI

For PMI, sustainability is about creating long-term value while minimizing the negative externalities associated with its products, operations and value chain. The company is addressing the impact of its products by developing smoke-free products that have the potential to significantly reduce health risks when compared to continued cigarette smoking, for the more than one billion men and women who would continue smoking cigarettes. This work is a key pillar of PMI's sustainability strategy, which can be found along with additional information on [PMI's sustainability efforts](#) on the [PMI](#) website.