SUNTECH
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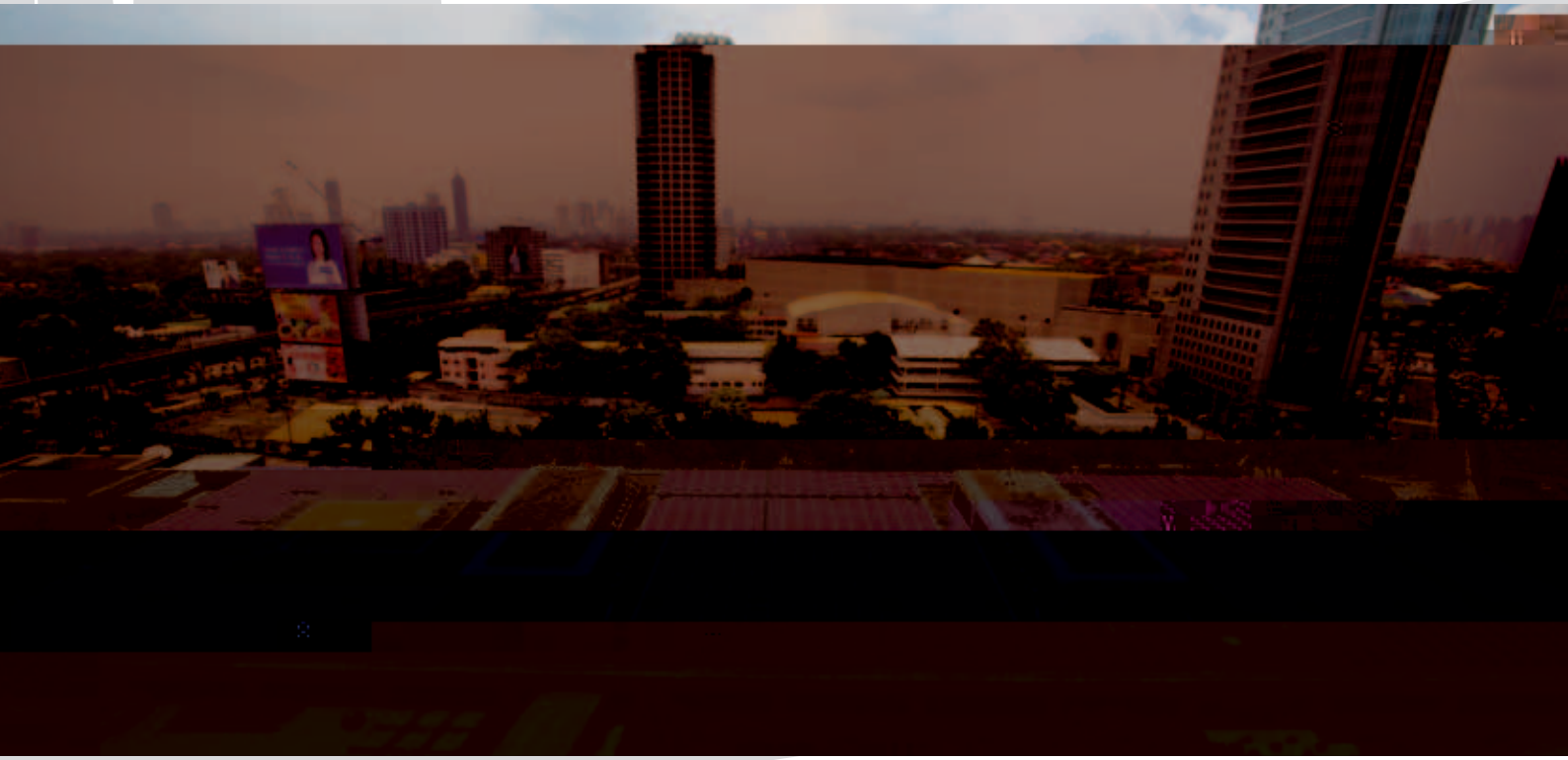
Case Study
Asian Development Bank Solar Rooftop



Key Parameters

Project Name Solar Rooftop Asian Development Bank Headquarters

Location Manila, Philippines

System Size 571kW

Type of Solar Panel STP280 - 24/Vd

Number of Solar Panels 2,040

Type of System Ongrid solar rooftop

Date Completed May 2012

Owner Asian Development Bank

Solar Project Area(sqm) 6,640

Annual System Production 613MW/h

Energy Saving

Estimated Annual Saving in US$
1.08 Million US Dollar

Estimated Reduction of Carbon Emissions in Tons
307 tons of carbon dioxide per year

Annual Kilowatt Hours Saved
613 megawatt hours per year

Asian Development Bank Leading the Way to Green Buildings

The Asian Development Bank has opened their new rooftop solar power project which will provide clean renewable energy to the bank's 20-year-old headquarters in the Philippines. With one of the highest costs of electricity in the world and excellent solar irradiation, the power of the sun is barely harnessed in the Philippines. With this landmark rooftop project, the ADB will demonstrate the effectiveness of powering a greener Philippines with power from the sun.

The ADB choose to power part of its headquarters with solar power because of the benefits to the environment; the solar rooftop has zero fuel cost, reduces the ADB's carbon footprint and lowers its greenhouse gas emissions. In addition, the project also helps the ADB move toward Platinum LEED certification.

The Largest Rooftop Solar Installation in the Philippines, 571kWp

The 2,040 photovoltaic panels occupying 6,640 square meters on the roof of ADB's main building will provide up to four percent of the ADB headquarters' electricity

Site Details

Location 6 ADB Avenue, Mandaluyong City 1550, Metro Manila, Philippines

Latitude Latitude 14.6 N Longitude 121.1 E

consumption. Primarily it will offset a portion of the building's air-conditioning, lighting and computer systems. The power harvested from solar energy is the equivalent of providing enough energy for 245 families in Metro Manila. The solar system will generate 613 megawatt hours of electricity and offset 307 tons of carbon dioxide per year.

Superior Aesthetics, Proven Reliability and High-Efficiency

Suntech's cutting edge product was chosen for its ability to generate clean power and high reliability under any conditions. "We chose to partner with Suntech not just because of its high quality products, backed by a 25 year warranty, but more importantly because we share Dr. Shi's vision of providing the Filipino people with reliable access to nature's cleanest and most abundant energy source," remarked Mrs. Helen Tong, Managing Director of Propmech Corporation, Suntech's partner and the project owner. Suntech's high quality products, all backed by a 25 year power warranty, contribute to the elegant aesthetic design envisioned for the ADB's rooftop and in line with the green architecture of the headquarters building.

"Using rooftops and other open spaces is an efficient way for businesses and homes to capture and use the energy of the sun."

S. Chander
Director General of ADB's Regional and Sustainable Development Department Said in a Statement.

Suntech Helps Its Partners Extend Business in Southeast Asia

Suntech is a leader in driving solar energy adoption in Southeast Asia, and works with local partners to deliver high-quality and cost-effective solar electricity solutions. With one of the largest distribution networks in Southeast Asia, Suntech provides customized solar products for a wide range of solar applications.

POWERING
Sustainability