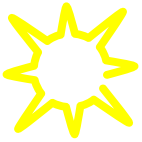


# Pak Suzuki - Karachi

## 36 KWp Photovoltaic Power Plant



### PROJECT AT A GLANCE

Pak Suzuki 36 kWp Photovoltaic Power Plant

#### Situation

Port Bin Qasim Industrial estate - Karachi - Pakistan

Customer: Pak Suzuki

#### Application

Turnkey solution for Photovoltaic Power Plant

#### Equipment installed

EPC contract (Engineering, Procurement & Construction)

XW Hybrid Inverters, MPPT XW Charge Controllers by Schneider Electric

PV panels Thin film by SHARP



Schneider Electric has achieved a significant milestone in Pakistan with the installation and startup of PakSuzuki Photo Voltaic plant, 36kWp.

The Schneider electric XW Hybrid inverter has been designed to offer high reliability and a low installed cost through ease of installation. The total power of PV plant is 36Kwp. It includes 288 PV panels covering an area of 11000 Sqft. This project was completed in conjunction with Japanese sub contractor.

An Installation of this type represents an annual yield of 45,000kWh. Ecologically this facility will avoid 40 tonnes of CO2 emissions into the atmosphere every year.

Project was completed in a span of one month including civil construction. The XW products can be used in a grid tie mode with battery backup.

### CUSTOMER BENEFITS

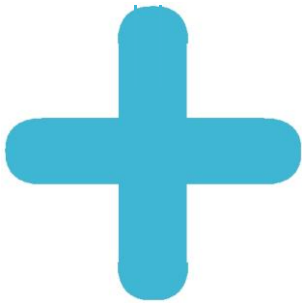
- A single coordinator for the entire project
- A single contract for both the design phase and for the electrical and monitoring package.
- Minimum downtime in the event of a fault, owing to the monitoring system that allows energy production to be controlled remotely via TCP/IP
- Schneider Electric's commitment to overall power plant performance and installation availability
- Production secured with the operating and maintenance contract

Make the most of your energy

## [ Electrical Energy - Photovoltaic ]

### Solution:

- @A turnkey contract executed by Partner
- @Design and installation of structures, panels and the electrical network between the solar modules and the network, including Xantrex inverters.
- @Civil engineering, construction and wiring of trenches.
- @Overall project control and coordination between partner , PV supplier and contractor.
- @On-site commissioning
- @Securing of the site
- @3-months operating and maintenance contract . It includes preventive and curative maintenance operations with a commitment to performance ratio and availability

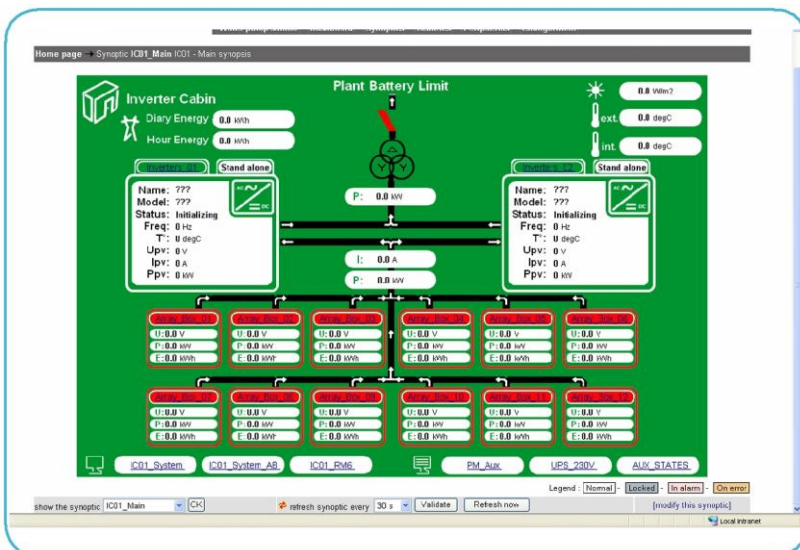


### Monitoring system:

- @ Supervision and control of equipment
- @ Support for maintenance and exploitation Activities
- @ Increased reliability
- @ Centralization of Information
- @ Data storage
- @ Remote access via TCP/IP

### Electrical network:

- @6 Hybrid Inverters,11string arrays
- @144 junction boxes
- @1 km of solar cables
- @autogenerator start options



Make the most of your energy

