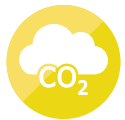




Case Study

Masterbaker, Jebel Ali Technopark, Dubai

Solar Roof Top | Food Processing Industry



1,186 tons/year
CO2 saved



600,000 AED/year
Electricity saved



1,687 MWh/year
Solar production



27 Autonomous
Cleaning Robots

Project Details

Industry	Food Processing
Plant type	Solar Roof Top
Capacity	1,056 MWp
Location	Jebel Ali Technopark
Deployed	Q4 2017

Project Highlights

- Grid-connected under DEWA's Shams Dubai Program
- Dual glass Canadian Solar modules:
No PID losses = lower degradation = longer lifetime
longer performance warranty (30 years)
- SMA Inverters
- In case of loss of mains (from the national grid) the inverters can run in Islanding Mode and supply power for the facility (with an external diesel genset)

Project Description

Enerwhere will commission the custom designed solution in Q4 2017. The installation will be one of the largest dual glass solar rooftop installations in Dubai, with a total installed capacity of more than 1MWp.

The solar panels will be mounted on rails bonded to the roof with 3M very high bonding tape to eliminate the need for roof penetration and preserve waterproofness of the roof.

An army of 27 fully automated smart cleaning robots will maximize power output by increasing the cleaning frequency.

The system was designed with a guaranteed lifetime of 30 years.