



Case Study

Masterbaker, Dubai Technopark, Jebel Ali

Solar Roof Top | Food Processing Industry



1,687 MWh/year
Solar production



1,186 tons/year
CO2 saved



600,000 AED/year
Electricity saved



27 Autonomous
Cleaning Robots

Project Highlights

- Grid-connected under DEWA's Shams Dubai Program
- Dual glass Solar modules:
No PID losses = lower degradation = longer lifetime
longer performance warranty (30 years)
- 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

The installation is one of the largest dual glass solar rooftop installations in Dubai, with a total installed capacity of more than 1MWp.

The solar panels are mounted on rails bonded to the roof with industrial 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 are maximizing power output by cleaning the plant daily.

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

Enerwhere commissioned the custom designed solution in Q1 2018.

Project Details

Industry	Food Processing
Plant type	Solar Roof Top
Capacity	1,056 MWp
Location	Jebel Ali Technopark
Deployed	Q1 2018