



Case Study

Leaders Sports Complex , Mirdif, Dubai, UAE

Solar-Diesel Hybrid System with Solar Car Parks



57 kWp
Solar Capacity



20% reduction
In CO2 Emissions



1.2 MVA
Diesel Generators

Project Highlights

- Solar-Diesel Hybrid System
- Solar Car Park
- Remote Monitoring & Control

Project Details

Industry	Construction
Plant type	Solar-Diesel hybrid
Capacity	1.2 MVA of DG 57 kWp Solar
Location	Mirdif, Dubai
Deployed	November 2018

Project Description

Leaders Sports Complex, also known Sports Society is a unique mall catering to all things related to sports. The three-storied facility spanning a total area equivalent to 12 football fields is set to be the worlds largest purpose built sports mall which will feature gyms, football fields, climbing wall, cricket simulators, full size National Hockey League (NHL) ice rink and gymnastics arena. Khansaheb, UAE's leading construction and facilities management company was awarded the construction contract in Q4 2018.

The site, powered by Enerwhere's custom designed solar diesel hybrid system consisting of 57 kWp solar carpark providing shade for 24 cars and 1,200 MVA generators included provision of power during multiple construction stages – from mobilization to building and commissioning which includes site offices, labor welfare facilities, site construction activities, tower cranes, chillers, chilled water pumps, firefighting systems etc.

The system has provided Khansaheb with over 13% cost reductions for power generation while also reducing Khansahebs CO2 emissions by over 20%.

Client:





System Diagram

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