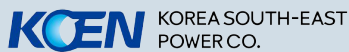


PROJECT PROFILE

KOEN Industrial Solar Power Station & Microgrid

**Outcomes:**

1. Enable saving of electricity bill for the client by peak shaving and energy arbitrage
2. Allow the client to create additional REC profit by energy arbitrage with solar PV

Challenge

To become the frontrunner in the delivery of optimized products and maintenance services for the microgrid solution, Doosan Heavy Industries & Construction (DHI) won and executed this project which is the first domestic microgrid system applied to single industrial complex. By capitalizing on the experience and know-how gained from operating these systems, this and other projects on its own premises will be used as a learning curve for external projects.

This system helps customers to save electricity bills and gain additional profit using fare gaps between maximum and minimum energy loading period.

Doosan GridTech® Solution

Doosan GridTech supplied advanced control system software to the project, which is a 0.1MW solar power station with 4.2MWh energy storage system (ESS) microgrid. The system can dispatch energy source to when it is most desired, by discharging stored electricity.

DHI carried out business development, engineering, procurement and construction (EPC) duties for these systems, designing, installing and commissioning the facility.