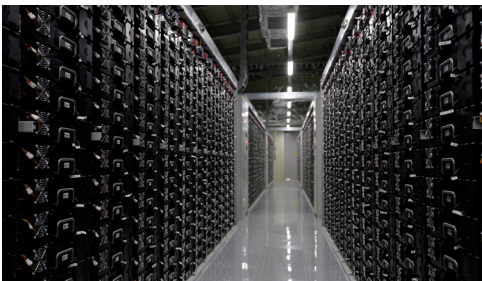


PROJECT PROFILE

Changwon Manufacturing Plant



Outcomes:

1. Reduce the cost of energy by using fare gaps between the maximum and minimum energy loading period.
2. Create additional profit by discharging for demand response.

Challenge

To become the frontrunner in the delivery of optimized products and maintenance services for ESS plants, Doosan Heavy Industries & Construction (DHI) was awarded this Demand Energy Management project from SK E&S and executed the project at its head offices in Changwon, South Korea.

This demand management system helps customers to save electricity bills using fare gaps between the maximum and minimum energy loading period.

Doosan GridTech Solution

Doosan GridTech supplied advanced control system software to the project (12MW power control system (PCS) with a 70MWh energy storage system (ESS)). The system can dispatch energy source to when it is most desired by discharging stored electricity.

DHI carried out engineering, procurement and construction (EPC) duties for the storage systems, designing, installing and commissioning the facility and is responsible for future operations and maintenance (O&M) duties.