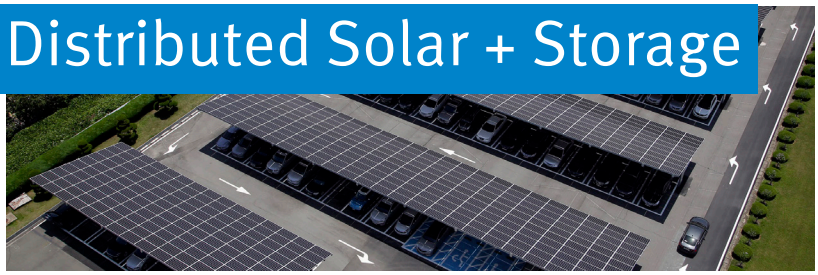
PROJECT PROFILE

3.5MW/8MWh Korean Distributed Solar + Storage



Outcomes:

1. Create REC Sales profit by charging and discharging of electricity from solar PV.
2. Maximize the PV plant capacity and provide stable electricity by storing energy.

Challenge

To become the frontrunner in the delivery of optimized products and maintenance services for hybrid plants, Doosan Heavy Industries & Construction (DHI) self-executed this solar-plus-storage project at its offices in Changwon and Gunsan. By capitalizing on the experience and know-how gained from operating these systems, this and other projects on its premises will be used as a learning curve for external projects.

Rather than being used for onsite self-consumption of PV power, generated energy will be sold to KEPCO (Korea Electric Power Corporation).

Doosan GridTech Solution

Doosan GridTech supplied advanced control system software to the project, which has 3 different solar power stations with 3.5MW total capacity and contains an 8MWh energy storage system (ESS). The energy storage enables the client to gain additional profit from selling stored electricity.

DHI carried out business development, engineering, procurement, and construction (EPC) duties for both the PV and the storage systems, designing, installing and commissioning the facility and taking in responsibility for future operations and maintenance (O&M) duties.