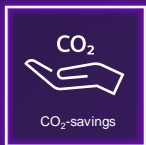


Integrated Battery Energy Storage System (BESS)

Improved flexibility and enhanced capacity



Reliability



CO₂-savings



Flexibility



Efficiency

Product Overview

Siemens Energy offers an Li-ion based battery energy storage system that can be integrated with your SGT-800 gas turbine(s) to improve your operation flexibility and enhance your capacity.



Features

- Fast and reliably responding battery technology with reaction time <50ms from stand-by to full load
- Designed with both active and reactive power components
- Containerized solution, scalable from 1 to >> 100 MW, grid building inverter technology on demand
- Can be integrated at any voltage level to power generation units or substations
- State-of-the-art power electronics and control for fast and accurate response required by ancillary services



Benefits

- Black start and support of grid restoration
- Fast start up, primary and secondary frequency response
- Acceleration and stabilization of load ramps
- Operating reserve for peak power and increased load range
- Increased energy efficiency
- Supports integration of renewable energy into power grids



Scope of work & Implementation

Integration of a Battery Energy Storage System with the current gas turbine installation.

