



Plant Control Snapshot

PLANT-LEVEL CONTROLLER

Proven in the field since 2018 to provide flexible and robust control of all plant assets (BESS, Solar, Wind) alone and collectively

What does it do

Built on the Mark*Vle platform, the Renewable Hybrids Plant Controller can be deployed along any combination of standalone, hybrid, and PV applications. The integrated monitoring and real-time control platform is designed to manage the operation of the different generation sources in conjunction with one another and ensure grid compliance.

- Application services that are used as the building blocks for the system, such as ramp rate and power firming, scheduled dispatch, frequency response, and reactive power services
- Fast (150 ms) active power response to support value-added grid services (i.e. FFR)
- Supervisory control functions that allow operators to remotely command plant operation, and customer/third-party system coordination or integration
- SCADA application that provides tools for a real-time and historical view of plant performance, operations and maintenance
- Cyber security features & remote operations for continuous diagnostics & monitoring

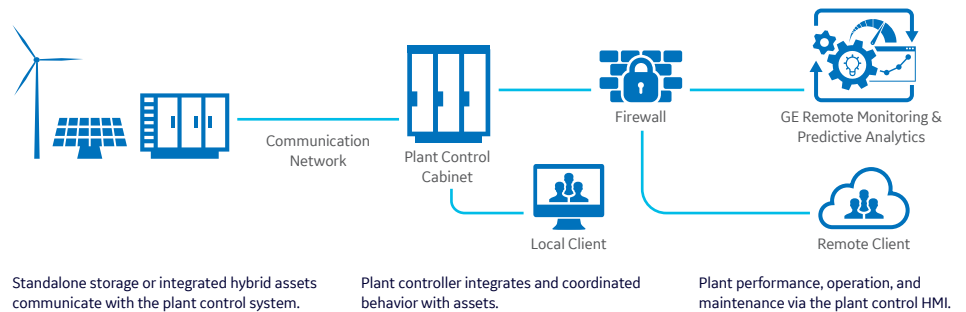
Customer value

- Application Flexibility – Standalone or hybrid asset solutions
- Advanced plant level operational control - Executing complex missions (i.e. black start, thermal hybrids) leveraging GE’s asset operability and safety know-how, and strong industrial control legacy

Key Applications

- Fast active power response services – 150 ms FFR
- Standalone storage solution applications – i.e. black start, frequency regulation
- Enhanced Gas Turbine (EGT)– Combined response of gas turbine and BESS.
- Solar system regulation and grid stabilization

How does it do it



Other Related FLEXIQ Solutions

- Architect
- Dispatcher
- Monitoring & Diagnostics (MD)

www.ge.com/renewableenergy/hybrid