Greensmith Energy unveils standardized energy storage solution

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GridSolv optimizes storage technology and software integration to deliver powerful upgrade in generation performance

The technology group Wärtsilä has released a new solution, GridSolv, the company's first standardized energy storage solution.
GridSolv is an advanced energy storage solution that is designed to offer maximum flexibility and speed of deployment. This innovative and standardized architecture supports both standalone energy storage deployments as well as integrated hybrids with thermal or renewable generation assets. Coming in three sizes, the GridSolv solution is typically housed in an ISO 40-foot container and contains: batteries, power distribution, safety, fire suppression, and air conditioning systems.
"Much like how a smartphone delivers more value than simply a processor, a camera, and a touch screen, our new GridSolv solution goes well beyond batteries, inverters and container," said Akshay Ladwa, Vice President of Engineering at Greensmith Energy. "We designed GridSolv to complement our industry-leading GEMS software platform so that utility partners and customers can have the most robust optimization of their grid assets and protect their energy storage investment for years to come."
Greensmith's GridSolv solution is already delivering results for Sinergy Kft, subsidiary of ALTEO Group, in Budapest, Hungary. ALTEO's existing power plant, which was running on three Wärtsilä 34SG engines, is now optimized with the addition of GridSolv and GEMS, enabling the energy company to participate in the electricity market by providing frequency and secondary regulation to the national grid operating in virtual power plant mode.
Wärtsilä energy storage solutions enable power companies and developers to integrate and optimize a diverse mix of grid resources and deliver flexibility, reliability and resilience for customers seeking best-in-class system performance.
Globally, GEMS has become the most-used energy storage software and integration platform, operating in over 70 systems in nine countries. GEMS offers the widest selection of use-case applications, often integrated with renewable or thermal generation assets. In addition to energy storage applications, GEMS is able to manage any complex composition of energy assets, including wind, solar, thermal and storage. GEMS was also recently RIG certified by CAISO, the transmission operator for California, the seventh largest economy in the world.