

STANTON, CALIFORNIA

STANTON ENERGY RELIABILITY CENTER - 98 MW



LOCATION:

Stanton, CA

ARB Industrial contracted for the construction of the 98MW Stanton Energy Reliability Center (SERC) project in North Orange County. The project is comprised of two simple-cycle generating facilities consisting of two General Electric (GE) LM6000 hybrid enhanced gas turbine (Hybrid EGT®) systems. The Hybrid EGT® combines a combustion gas turbine with an integrated battery storage component operated by a proprietary software system based upon patent. The integrated system will be capable of providing synchronous condensing, greenhouse gas-free spinning reserve, high speed regulation, primary frequency response, and voltage support with the combined response of the gas turbine and battery storage system.

This design supports the move toward greater renewable energy in the CAISO energy market. The combination of batteries and fast start turbines allows the site to provide instantaneous power into the grid when wind and solar power systems experience reductions from clouds, calm winds, or other environmental power interruptions.