

Power Client

Compressor Station Replacement

When a power client needed to meet increased market demand for gas distribution, SSOE Group was secured to assist with the replacement of its compressor station. With vast knowledge of major pipeline equipment, specifically turbines and how they perform, the firm proved integral to the success of the project. The client relied on SSOE's mechanical and electrical expertise for the project.

SSOE's scope included the installation of two, 10,000 HP Solar Taurus 70 gas turbines, coupled with Solar C51 centrifugal compressors at a storage facility. SSOE's team of engineers provided detailed design and construction documents for several aspects of the project, including ancillary equipment and the necessary valving to support the new compressor units. The firm also designed the station's Motor Control Center (MCC), as well as Emergency Shutdown (ESD) systems and fire / gas detection systems.

The result was delivery of a successful project, completed on-time and within budget.

value promise

Revised building layout reduced the overall building height and eliminated the need for a crane on-site, saving the client approximately \$150,000 in construction costs. Also reduced the size of the electrical power distribution system, saving the client approximately \$100,000.

location Midwest USA

highlights

Two gas turbines and centrifugal compressor units

MCCs

ESD systems