



SITE INTEGRATION POWER PLANT - UTILITY POWER PASTORE POWER HOUSE

OWNER

State of Rhode Island

LOCATION

Providence, Rhode Island, USA

PRODUCT

Two Centaur® 40 Generator Sets

CUSTOMER VALUE

Reliability, Low Emissions

The Pastore Power House is the primary electrical provider for the facilities operated by the State of Rhode Island in the city of Providence. When in island mode, the Power House is 100% self-sufficient.

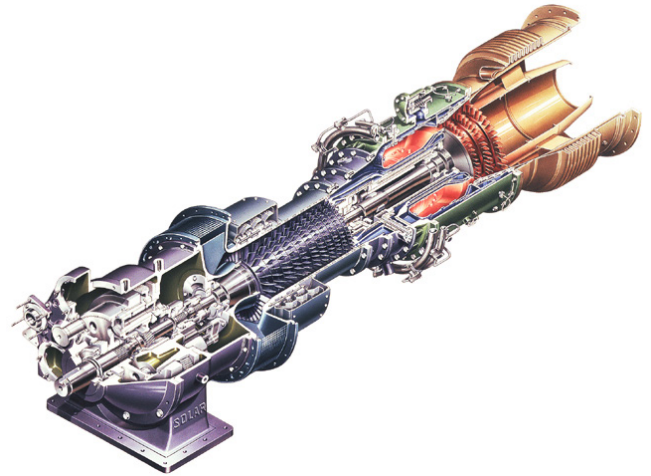
The Power House provides reliable energy and a stable electrical grid in addition to heat recovery steam generation (HRSG). The facility utilizes one Centaur 40 gas turbine generator set with SoLoNOx™ on-line and one in reserve. The Power House generates 2400 VAC to the grid and can produce steam to a maximum of 200,000 lbs/hr and an average load of 50,000 lbs/hr for various purposes within the facilities.

Solar's critical support of the Power House is reinforced through an extended service agreement (ESA) and a dedicated Fleet Manager. Solar's Fleet Managers work in conjunction with the customer to maintain a reliable and efficient asset for the State of Rhode Island.

Solar® Turbines

A Caterpillar Company

Site Integration – Power Plant, Utility Power



PROJECT SCOPE

Two Centaur 40 Generator Sets with TurboTronics™ 5 Controls Upgrade

Multi-Unit Display (MUD)

24VDC Bleed Valve and IGV Actuator

120VDC Gas Fuel System

PROJECT EXECUTION AT SITE

Customer-Hired Contractors for Support Controls Integration

Contractor Support at Site by Field Project Engineer

Upgrade to Solar Packages Installed by Field Installation Representative

Recommissioned Packages Returned to Service

The State of Rhode Island engaged Solar for full-service site integration to support multiple contractors with various disciplines to execute tasks identified beyond the package.

These tasks were defined through discussions with the customer and contractor. Documentation was provided

by Solar's Field Project Engineer. This document provides guidance to the contractor for the scope of work identified.

Frequent meetings with the customer, contractor, and District and Field Service Representatives were conducted to discuss the execution plan which was disseminated to the entire project team. Communication was key in assuring the scope of work required was well understood to coordinate resources and execute the plan accordingly.

Project execution required alignment at multiple levels to ensure safety was maintained, project schedules remained intact, isolations were in place and managed, personnel were briefed daily on hazards and required mitigation steps, staging of material and execution of specific tasks to keep forward momentum in areas around the package.

EMPOWERED CUSTOMER

DISTRICT FLEXIBILITY

CONTRACTOR COORDINATION

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