

EXPANSION, GE GAS TURBINE FACILITY

Greenville, South Carolina



Client Name:

GE Power Systems

Services Provided:

*Engineering, Procurement
and Construction*

Project Size:

75,000 square feet

An increase in demand for reserve capacity for utilities translated into a rapidly growing backlog for GE and added a sense of urgency to its need for expansion. The growing demand posed a hurdle to the expansion since it had to be done with no downtime in order to meet the existing plant commitments.

The expansion area created other challenges: electrical service, natural gas, argon, helium, hydrogen, potable water, fire water, and compressed air all fed into the building under the footprint of the planned expansion.

The greatest challenge was the project completion date of December 31, 2000 which was necessary for GE to meet its backlog requirements.

Design began in February, 2000. To meet the long lead-time on the delivery of structural steel, the order was placed in late March.

The utilities (gases, water and compressed air) were moved 200 feet south of their original location, without service interruptions.

In addition to utility relocation, an existing paint booth that was scheduled for demolition to make way for the expansion had to remain operational until two new paint booths were operational in the expanded area.

"...On January 4, 2001, we were able to watch the first gas turbines taking shape inside a new 75,000-square-foot expansion. Our goal had been achieved. O'Neal is clearly made up of achievers."

— *Dane Porginski
GE Packaging COE Leader*

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