

# GAS TURBINE OVERHAUL

ENTERPRISE PRODUCTS  
HIGH ISLAND PRODUCTION PLATFORM  
GULF OF MEXICO



## DESCRIPTION:

Enterprise Products owns and operates the High Island Production Platform HI264, located approximately 150 miles off the coast of Texas in the Gulf of Mexico. NAES was selected to perform major overhauls of GE Frame 3J and GE Frame 5 two shaft gas turbines, each coupled to a Nuovo Pignone gas compressor. The project was estimated, bid, sold, and performed on a turnkey basis. The project was completed with two six man crews working 12 hours per day, seven days per week.

## SERVICES PROVIDED:

- Major overhaul
- NDE of compressor rotor repairs to additional components
- Heat treating and ceramic coating (TBC) of the nozzle segments
- Replacement and repair of selected ancillary items
- Specialized welding of Hastelloy X Frame 5 transition pieces
- General cleanup of severely corroded parts

The project was completed without any extended delays in a six week time period.

**NAES Headquarters**  
1180 NW Maple Street  
Suite 200  
Issaquah, WA 98027  
425.961.4700

**Turbine Services Division**  
7618 Bluff Point Drive  
Houston, TX 77086  
832.484.9400

[www.naes.com](http://www.naes.com)



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