



RESIDUE GAS COMPRESSION CRYOGENIC PLANTS GAS PROCESSING PLANT

LOCATION
Western USA

PRODUCT
Two Titan™ 130 Gas Compressor Sets with C51 Compressors

MARKET
Midstream Gas Compression

On the windy high plains in the Western USA, a major petroleum company has been contributing to the U.S. energy landscape with their 420 MMSCFD cryogenic gas processing train to process raw natural gas. For the critical service of residue/sales gas compression for this process, the customer's project team selected two Titan 130 compressor sets from Solar Turbines.

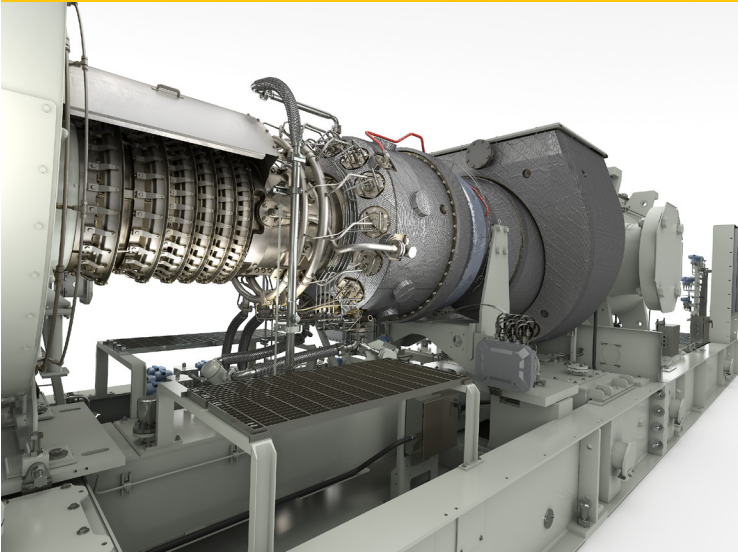
Solar designed each Titan 130/C51 gas compressor train for this project to move over 194 MMSCFD while providing over 62 MMBTU/hr of recoverable heat for use elsewhere in the process, saving the customer fuel and reducing the emissions footprint of the station.

The gas turbines' exhausts are also providing heat for the other thermal loads within the plant, reducing both fuel usage and emissions compared to other compression technologies.

Solar® Turbines

A Caterpillar Company

Residue Gas Compression – Cryogenic Plants



EMISSIONS FOOTPRINT

Solar has been fielding SoLoNOx™ dry low emissions (DLE) gas turbine engines since the 1980s and is the industry leader for experience, reliability and dependability.

RELIABLE POWER AND HEAT

Solar Turbines offers gas turbine packages ranging from 1590 to 31,900 HP. These products play an important role in the development of oil, natural gas and power generation projects around the world, both onshore and offshore. Solar's products include gas turbine engines, gas compressors and gas turbine powered compressor, mechanical drive and generator packages. Solar also manufactures a complete line of electric motor driven (EMD) compressor packages supporting the oil and gas industry's compression needs.

Solar's customers put the company's products to work in many areas including the production, processing and pipeline transmission of natural gas or crude oil, and generation of electricity and thermal energy for processing applications. The units are designed to operate in harsh environments and on a variety of liquid and gaseous fuels. In addition, these versatile gas turbines are available with dual fuel and triple fuel systems, allowing them to operate interchangeably on multiple fuels for even greater operating flexibility.

PROJECT DETAILS

Two Titan 130 Two-Shaft Gas Turbines

- Gas Fuel
- SoLoNOx (DLE) Combustion System
- >15 ppm NOx, 25 ppm CO, 25 ppm UHC
- 20,500 ISO HP (15,290 kW)

Available Heat (ISO):

Exhaust Flow: 396,940 lb/hr (180,050 kg/hr)

Exhaust Temp: 940°F (505°C)

Driven Equipment: C51 Compressor

- Max Head: 90,000 ft/lb
- Max Flow: 25,000 acfm (708 M³/min)

**HIGH AVAILABILITY, RELIABILITY
AND OVERALL FUEL EFFICIENCY**

LOW EMISSIONS

REDUCED EQUIPMENT FOOTPRINT

For More Information:

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