



ENERFLEX

The Single Source

350 MMSCF/D REFRIGERATION, GAS GATHERING AND PLANT COMPRESSION SYSTEM, KAZAKHSTAN

A unique refrigeration solution demonstrates Enerflex's leadership position in refrigeration systems globally

PROJECT OVERVIEW AND CHALLENGES

This was a three-year project for the third train of a gas processing facility in northwest Kazakhstan. The project is part of the customer's plan to double its production by the end of 2016.

UNIT LOCATION

Kazakhstan

ENERFLEX SOLUTION

Enerflex provided a unique refrigeration solution using three screw compressors each driven by a 3,700 hp (2,800 kW) gas engine with a step-up gearbox spinning the compressor at 2,000 rpm. The project required three screw compression units—two duty and one standby—including the associated refrigeration plant, all provided by Enerflex. Enerflex's European team completed the initial design with the Houston team completing the detailed design and manufacturing of the custom packages.

Enerflex also provided the sales gas compression plus overhead compression for the processing plant. The solution provided by Enerflex was two sour two-stage reciprocating compressors, six sales gas compressors all driven by 3,700 hp gas engines, as well as two smaller gas engine driven reciprocating compressors. This facility is expected to be operational by mid-2016, with a rated throughput of 350 mmscf/d.

CONTACT DETAILS

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