

Enerflex in action

Kazakhstan

350 MMSCFD refrigeration, gas gathering, and compression system

A unique refrigeration solution demonstrates Enerflex's leadership.

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 also provided the sales gas compression plus overhead compression for the processing plant – which included two sour two-stage reciprocating compressors and six sales gas compressors, all driven by 3,700 HP gas engines, as well as two smaller gas engine driven reciprocating compressors. The plant has a total combined rated throughput of 350 MMSCFD.



Outcome

Enerflex's European team completed the initial design, with the Houston team completing the detailed design and manufacturing of the custom packages.

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 production.