

DRAGON OIL



LOCATION

Turkmenistan - Offshore



PROJECT DESCRIPTION

Dragon Oil have invested more than US\$2.9 billion to expand oil production in the Cheleken Contract Area, which has increased from approximately 7,000 barrels of oil per day in 2000 to 73,750 barrels of oil per day of average gross production in 2013. The Cheleken Contract Area covers approximately 950 square kilometres and comprises two offshore oil and gas fields, Dzheitune (Lam) and Dzhygalybeg (Zhdanov) with water depths of between eight and 42 metres. To continue to increase daily production, Dragon Oil is evaluating the use of sea water injection through a pilot water injection project. The facility is designed for initial production rates of 3,500 BPD @ 4,600 PSI of de-aerated and treated sea water. The facility includes a sea water lift pump, chemical injection, filtration, and a high pressure injection pump.

Drakken was awarded the initial electrical distribution and automation scope on this project, this included a combined process and safety system based on low cost PLC architecture and all required power distribution

packaged within a 20' Command to Go Module. This module also contained an integrated maintenance and instrument calibration section separate from the main control room. The Engineering scope on the project included the electrical and automation fabrication drawings, the facility integration drawings, and material lists for all E&I related site construction activities. Drakken Construction Management and Automation Technicians were deployed offshore to supervise the installation and complete the commissioning activities.

The Drakken Project team included: Project management from Canada and Engineering from the Canada and Pakistan offices; Leverage of its worldwide supply chain for procurement activities; and a construction management team on location in Turkmenistan. This turnkey project was awarded at the end of Q2 2012 with extremely time sensitive delivery milestones. Drakken has successfully delivered this project and met all key performance indicators, including budget and schedule expectations.

PROJECT HIGHLIGHTS

PROJECT VALUE	\$12,000,000 USD
PROJECT TIMELINE	9 months - Installed
TYPE OF EQUIPMENT	Water Injection Offshore Facilities
PRODUCTION CAPACITY	3,500 BPD
SCHEDULE	Fast Track Engineering and Fabrication - Commissioned on Schedule
SAFETY	No lost time accidents