

Magnus Metering System Upgrade

Client:

Three60 Energy / EnQuest

Location:

Magnus Oil Field, UK

Equipment:

Skid & Control Panel

- Virtual Metering Tech & Dynamic Uncertainty Software

Mechanical scope

- 2 x 100% + Master Meter Coriolis Metering Skid - Export Oil
- 1 x Jet Mix Sampling & Analysis System - Export Oil

This scope was carried out by Oil & Gas Systems Limited who have more than years experience providing bespoke metering systems to the oil & gas industry.

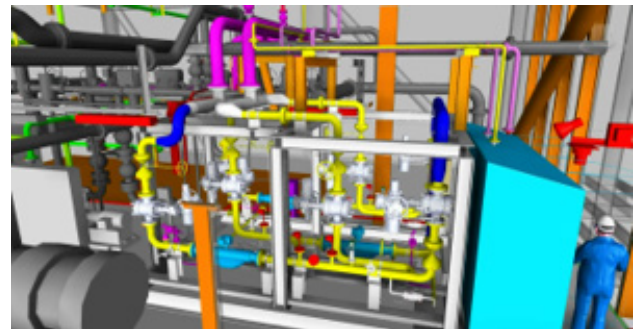
OGS offices are located in Ely, Cambridgeshire, UK. OGS have their own fabrication facilities (approx. 3900 m2) in Gorseinon, Swansea, UK.

Project background

The Magnus platform is located approximately 160km Northeast of the Shetland Islands and receives production from the Magnus oil field.

This is then exported via the Ninians Pipeline to the Sullom Voe Terminal in the Shetland Islands. The platform also receives dry gas production from the Sullom Voe Terminal, which is commingled with the export gas from the platform and re-exported into the North Leg Gas Pipeline.

This project replaced the existing fiscal metering system which dated back to the late 1990s & also took in allocation and environmental metering previously handled by the sites aging DCS system. The Export Oil Skid was also modified from turbine meters with bi-directional proving to Coriolis meters with Master Meter proving.



Chosen for our reputation

With over 200 metering control systems supplied so far to the industry, Proserv was chosen because of our system's proven quality and reliability. We had previously completed successful projects for this client and so had a reputation for being flexible and easy to work with.

Control panel scope

- 3 bay metering panel
- 23 x ABB Flow-X Flow computers
- Ignition SCADA (duty / standby)

