

Modular Chemical Injection System Production Optimisation

Client:

Teekay Petrojarl

Location:

Foinaven FPSO, West Shetland, UK,
Block 204

Equipment:

Scale/corrosion inhibitor skid

Scope

A specialist engineering team was assembled to ensure the delivery of this project from both Aberdeen (UK) and Dubai (UAE).

Access restrictions on board the vessel required the skid to be redesigned in three sections. A base frame, high flow dual pump and low flow dual pump with bespoke lifting gear was required.

Benefits

-99% system availability

Remote shut down facility for ease of operation

Intrinsically safe instrumentation suitable for Zone 1

CE & EC directive compliant

Project Background

Proserv was awarded a contract to conduct a required upgrade to an existing chemical injection pump system. This included the installation of a new scale/corrosion inhibitor pump skid to fulfil a requirement for >95% redundancy system availability.

Solution

Proserv upgraded the incumbent chemical injection package and engineered a skid capable of independently controlling supplies of corrosion inhibitor and/or scale inhibitor to each of the three Foinaven subsea manifolds (drill centres), optimising production.

