

## Greenfield development Subsea production controls



### Client:

US Operator

### Location:

Stampede, Gulf of Mexico

### Equipment:

MCS, HPU and SCM

### Depth:

3,300 - 3,700 ft

Proserv's Trondheim facility in Norway provided technical support. Final testing, servicing and the integration of equipment was carried out at Proserv's dedicated controls facility in Houston, USA.

### Benefits

- Proserv's A2G dual subsea electronics module provides unrivalled data speed and flexibility
- The full provision of the control system and in-house software offers a superior level of support and service not normally provided by a sub-contractor
- No dedicated running tool reduces CAPEX commitment and enables the flexibility of SCM support without the burden of tooling readiness or operation personnel

### Project Background

The client required a subsea production control system for their Stampede project in the Gulf of Mexico, located in water depths between 3,300 and 3,700 feet. Both subsea control and monitoring capabilities were required to control 19 subsea wells and manifolds across two independent umbilicals.

The subsea control system needed to communicate with the latest industry-specification subsea instrumentation to deliver high functionality control for production, water injection trees and down hole multi-zone smart sliding sleeves.

### Solution

Proserv provided their latest subsea electronics with SIIS L2 Canbus instrumentation, dual IWIS DHPT interface, dual subsea electronics module (SEM), and 26 hydraulic function subsea control modules (SCM). Each SCM provided 5,000 and 15,000 psi supplies for field valve control for diverless recovery, if necessary, in deep water. The Proserv design required no running tool and included full alignment, shock absorption, soft landing and secondary breakout on the SCM itself.

### Scope

Proserv managed the project from various Proserv subsea service centres and technology hubs around the world. Proserv's team of subsea experts managed the design and manufacture of the SEMs and SCMs at Artemis House in Great Yarmouth, UK. Controls engineering experts at

