

Case Study

Centrica Energy - IRM Aug 2013 Campaign at Trees Field

Project Description

SengS Subsea Engineering Solutions Ltd was contracted by BOL (Bibby Offshore Ltd) on behalf of Centrica Energy to carry out IRM works on the Tree's Field. The field consists of the Birch, Larch and Sycamore subsea assists tied back to the Brae Alpha platform.

The IRM campaign consisted of the work scopes:

- Electrical diagnostics of the power A and B channels for the Trees field
- SCM change out
- Elect / Hydraulic Stabplate removal and repair
- Pressure sensor change out
- Hydraulic isolations
- Valve operations

SengS Subsea Engineering Solutions Ltd designed, engineered and conducted offshore operations on behalf of BOL. This included but was not limited to; schedule, method statements and project specific operational procedures.

The purpose of the electrical diagnostics work scope was to restore production back to the field by conducting electrical testing and isolating any faults by reconfiguring the electrical system subsea.

SengS conducted a full system analysis and review of the field allowing a detailed methodology for testing, preparing the detailed offshore procedures and equipment lists.

The SCM change out involved SengS, conducting engineering reviews and create detailed lift drawings and procedures to allow successful completion of the works scope.

The PT change out required SengS to review barrier and isolation requirements and detail a philosophy for barrier testing to ensure that the PT could be changed out in a safe manner. This work scope also required SengS to prepare detailed procedures to allow that work scope to be completed.

SengS provided full offshore support for the campaign including project management, preparation of dive plans and drawings, management of changes as required, preparation of equipment, mobilisation and de-mobilisation of the project equipment.

The IRM campaign was successfully conducted in August 2013, 4 days ahead of the planned schedule.