

Covering the complete range of control and instrumentation products and services, our projects include:

2009 - 2010 - Jacobs/SSE - Hornsea

- Supply, installation, testing and commissioning of a wellhead control panel for a new gas storage site

2009 - 2010 - ODE/EON - Johnston

- Supply of TUTU and Umbilical for Johnston sub sea development

2009 - 2010 - Petrofac - Tullow Ketch & Schooner

- Replacement, testing, flushing of all instrument tubing on the platforms due to corrosion whilst maintaining platform production requirements.

2009 - 2010 - Perenco - SNS Assets

- Full review of existing maintenance strategy and recommendations of future strategy. Planned maintenance on all SNS assets.

2009 - 2010 - Petrofac - Grove

- Supply of Methanol Injection Packages for two new sub sea wells and the supply of additional instrument stands and choke panels. Followed by installation, testing and commissioning offshore.

2009 - 2010 - Murco - Milford Haven

- Supply of an ESDV HPU. Followed by installation, testing and commissioning onshore

2009 - 2010 - Nexen - Buzzard

- Development of offshore inspection plan for instrument tube.

2008 - 2009 - 2010 - Shell St Fergus/Mosmorran Terminal

- Carryout full inspection of all instrumentation small bore tubing installed at the terminals.

2008 - 2009 - ODE / RWE Cavendish

- Carryout a review/analysis of control problems with the existing Subsea Electro - Hydraulic Power Unit and recommend solutions/modifications.



2008 - 2009 - Petrofac - Centrica

- Awarded 3 separate contracts covering the design, engineering, procurement, manufacture, installation and commissioning for a new control system and modifications to the existing one for the refurbishment of Centrica-owned, Grove platform, previously known as Camelot CB.
- Considerable cost savings in materials and offshore installation man-hours were achieved by replacing complicated instrument tubing with a single manifold device, designed and manufactured specifically for the project in under 5 weeks

2008 - 2009 - BG Tunisia / ODE / Etech - 'Gabes' Tunisia - New LPG Terminal

- Instrumentation scope included the development of CTR/work packs, planning, preparatory works, supply of test equipment, onsite engineering, supervision, calibration of instruments and safety valves, field installation of tubing/process instruments, testing and commissioning associated with a new LPG processing terminal.

2008 - 2009 - ADC / Aquaterra / Etech Group - West Africa

- Provision of Instrument personnel to install, test and commission the hydraulic tubing between well heads and control panels on 3 new offshore production facilities.

2008 - Petrofac Rotliegendes

- Design and supply of instruments and manufacture of PT and DP instrument control cabinets.

2008 - Nexen Buzzard Platform - Valve Controller Corrosion Project

- Carryout offshore survey to assess the magnitude of the valve controller corrosion problem.
- Analysis of the findings by 3sun Technical Authority followed by the submission of a detailed report, which included the actions required to resolve the problems.



2008 - Centrica, CSL, Petrofac - Hydraulic Modelling and Animation

- Review of all the technical data associated with the control of a subsea well.
- Modelling the data using proprietary software and providing full data analysis and an animated model of the hydraulic system performance under changing conditions.

2008 - Malta Ship Yard (Fairmont Fjell Vessel) Hydraulic and Pneumatic tube installation

- The works scope includes planning and tube routings for the installation of 10,000 metres of 316SS instrument tube inclusive of primary and secondary supports.
- Hook up of 92 hydraulic and pneumatic actuated valves, pressure testing, flushing and commissioning of the hydraulic ballast control system.

2008 - Malta Ship Yard (Fairmont Fjell Vessel)

- Second contract of this type with MSL.
- Conversion of an existing vessel to provide semi-submersible heavy lift capability.
- Provision of engineering, procurement, installation and commissioning of the vessel's control and instrumentation systems.

2008 - Aker Kvaerner Subsea Ltd (Aberdeen)

- Market research and analysis associated with the launch of AKSL's new subsea control technology. Research included desk based analysis of market data/trends along with "face to face" interviews with end user/EPC clients, the findings of which are included in a comprehensive report.

2008 - Petrofac Instrument Engineering Support Services

- General instrument engineering and support services.
- Scope included the development of instrumentation work packs and cost management for various projects as well as the development of engineering and technical support during installation phase.



2008 - Malta Ship Yard (Fairmont Fjell Vessel)

- Second contract of this type with MSL.
- Conversion of an existing vessel to provide semi-submersible heavy lift capability.
- Supply of instrumentation including the production of material take offs from P&IDs, loop diagrams etc.
- Supplier negotiation, expediting and on site quality control requirements.

2008 - Tullow / AKD / ETech Group - Wissey subsea tie back to Horn and Wren platform

- Instrumentation scope included the development of CTR/work packs, planning, onshore preparatory works, offshore installation of new HPU for Wissey, hydraulic interconnections between umbilical and HPU, extensive modification to existing HPU (Horn and Wren) and installation of MEG and gas metering control/instrumentation.

2008 - Petrofac (Della subsea HPU control system)

- Provision of technical and engineering resources to resolve hydraulic control issues relating to an existing HPU and associated umbilical connections with the Della subsea production well.

2007 - BAPCO (Bahrain Petroleum Company)

- Provision of instrument training program to 60+ members of BAPCO maintenance staff.
- Scope included the development of bespoke training program designed to improve safety and hazard awareness associated with the installation of instrument tubing.

2007 - CNR (Canadian Natural Resources - Ivory Coast West Africa)

- Provision of a replacement UPS (Uninterrupted Power Supply) system.
- Design (CAD), procurements of components, assembly and test of UPS system.
- Following delivery to site, 3sun provided offshore commissioning resources.

2007 - Malta Ship Yard (Fairmont Fjord Vessel)

- Conversion of an existing vessel to provide semi-submersible heavy lift capability.
- Supply of instrumentation including the production of material take offs from P&IDs, loop diagrams etc.
- Supplier negotiation, expediting and on site quality control requirements.



2007 - CNR (Canadian Natural Resources - Ivory Coast West Africa)

- Sourcing and supply of replacement components for an existing offshore wellhead control system.

2007 - Malta Ship Yard (Fairmont Fjord Vessel)

- Conversion of an existing vessel to provide semi submersible heavy lift capability.
- Design and supply of a mimic control panel.

2007 - Oilexco - Northern North Sea Operations

- Fault rectification and modification to existing hydraulic well head control system.

2007 - Malta Ship Yard (Fairmont Fjord Vessel)

- Conversion of an existing vessel to provide semi-submersible heavy lift capability.
- Provision of engineering, procurement, installation and commissioning of the vessel's control and instrumentation systems.

2007 - DSL (Derrick Services Ltd) / KOC (Kuwait Oil Company)

- Design and construction of an onshore drilling rig.
- Provision of technical and supervisory personnel responsible for the installation and commissioning of the hydraulic control and instrumentation systems.
- 3sun scope of supply included the supply of hydraulic flushing equipment.

