





















ODL Operations Group Experience

CLIENT	SUMMARY OF SCOPE OF WORK
	<p>Addax, Gabon Research and development of all Operating Procedures Manuals for the Obangue East Field in Gabon. Onshore Oil/Gas Collection, Separation Facilities.</p>
	<p>Sakhalin Energy Investment Company, Russian Federation Research and development (On-Site) of Start-up manuals for PAB and LUN-A platforms.</p>
	<p>Sakhalin Energy Investment Company, Russian Federation Initial development and subsequent as-building of Operating Procedure Manuals for the Sakhalin Island Phase II Development – PA-B and LUN-A Offshore Platforms, Onshore Processing facility (OPF), and the associated Oil and Gas Pipelines. (Dual Language)</p>
	<p>Sakhalin Energy Investment Company, Russian Federation Research and development of all Operating Procedures Manuals for Booster Station 2.</p>
	<p>Hummingbird, UK Research and development of all Operational Documentation for Hummingbird FPSO.</p>
	<p>BG, Trinidad Development of Operating Procedures and Isolation Procedures for Central Block Facilities onshore in Trinidad.</p>
	<p>BG Trinidad & Tobago Assistance, on-site in Trinidad, to BG with the development of Operational Documentation for BG3C Project. Covered Operations and HSE Documentation.</p>
	<p>BG, India Research and Development of Operating Procedures for the TPP-TCPP Integrated Platform, MTA Platform and development of an Interim Operations Manual for the TPP.</p>
	<p>Marathon, Equatorial Guinea Review and update of Marathon EG onshore and offshore facilities Operating Procedures. Work implemented on-site and in ODL offices, Houston.</p>
	<p>Helix – (Well Ops) U.S. (GOM) Review, update and enhancement of Q4000 Operations Manual. Additional development of Management System.</p>
	<p>Chevron Tahiti, U.S. (GOM) Implementation of a review / analysis between Start-Up and Commissioning Procedures against Operating Procedures.</p>




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	<p>Chevron (WAPCO), West Africa. Research and Development of Operating Procedures for all facilities on West African Pipeline including Nigeria, Benin, Togo and Ghana.</p>
	<p>BG, Trinidad Development of Operating Procedures for the Beachfield onshore facilities and associated pipelines.</p>
	<p>Modec MV – 14 FPSO, Brazil Review and enhancement of HSE Management System Documentation prior to the approval audit by ABS.</p>
	<p>Star Deepwater Petroleum Ltd Development of Initial Start Up Documentation for the Agbami FPSO, Offshore Nigeria. Development of Marine and Cargo Management Manual.</p>
	<p>Bennetts and Associate, Houston Development of Marine Operations Manual and Procedure for the MinDoc 3 Spar Platform in Gulf of Mexico.</p>
	<p>BP Forties Pipeline System, UK Development of Operating Procedures Manuals for various Onshore Facilities, including onshore pipelines / pumpstations, Kinneil Terminal, refrigerated LPG plant, pressurised LPG plant and all export systems all located at Grangemouth, Scotland.</p>
	<p>BP, UK Review and update of Operating Procedures Manuals for BP ETAP Installations.</p>
	<p>BP, UK Review and update of Operating Procedures Manuals for the Wytch Farm Onshore Development.</p>
	<p>Maersk Oil North Sea Ltd Review and update of Operating Procedures Manuals for various Maersk facilities in the North Sea, including Dumbarton, Janice.</p>
	<p>Maersk Oil North Sea Ltd Review and Update of Operating Procedures for Gryphon FPSO.</p>






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	<p>GUPCO, Egypt Research and development of Operating Procedures Manuals for the Saqqara Development.</p>
	<p>GUPCO, Egypt Research and development of Operating Procedures Manuals for the Badri Offshore Platform Complex. (Dual Language)</p>
	<p>GUPCO, Egypt Research and development of Operating Procedures Manuals for the Morgan 36, Onshore Platform Complex. (Dual Language)</p>
	<p>GUPCO, Egypt Research and development of Operating Procedures Manuals for the July Offshore Complex. (Dual Language)</p>
	<p>BHP AODAT, Gulf of Mexico, USA Development of Operations Manuals and Procedures for the Neptune Subsea Facilities.</p>
	<p>BHP AODAT, Gulf of Mexico, USA Development of Operations Manuals and Procedures for the Shenzi Offshore Platform Topsides.</p>
	<p>BHP AODAT, Gulf of Mexico, USA Development of Operations Manuals and Procedures for the Ghengis Khan Subsea Development.</p>
	<p>Petrobras, Gulf of Mexico, USA Development of Operations Manuals and Procedures for the Cottonwood Subsea Tieback Facilities.</p>
	<p>Hess, Indonesia Development of Operations Manuals and Procedures for the Ujung Pankah Development – Offshore Wellhead Platform and Onshore Processing Plant.</p>
	<p>Hess, Indonesia Development of all Operational Documentation for Hess Ujung Pangkah Phase 2 development in Indonesia. Included Offshore Facilities, LPGF, Onshore Terminal and Marine Operations.</p>
	<p>Hess, Thailand Development of Operations Manuals and Procedures for the Phu Horm Development – Onshore Wells and Processing Plant.</p>
	<p>Hess, Equatorial Guinea Development of Operations Manuals and Procedures for the Okume Field Development – 2 TLP Platforms, 3 fixed Platforms, a Central Complex and an FPSO.</p>














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	<p>Hess, USA Research and development of Operating Procedures for an onshore CO2 facility in New Mexico.</p>
	<p>Sevan Marine, Brazil Development of Operating Procedure Manuals for the Piranema FPSO Development offshore Brazil.</p>
 MAERSK	<p>Maersk, Norway Development of Operating Procedure Manuals for the Alvheim Field Development offshore Norway, (Marathon Oil Field).</p>
 TOTAL	<p>Total Upstream Nigeria Ltd ODL team of Operations Specialists working on the development of the Production Operating Manual for the AKPO FPSO which will be located offshore Nigeria. This is being developed in accordance with TOTAL General Specification GS EP EXP 153 – Requirement for Production Operating Manuals. We are also developing an associated Operator Handbook for this facility.</p>
 Eni Saipem	<p>Saipem Leasing, Angola Development of Operating Procedure Manuals for the Gimboa FPSO offshore Angola, (Sonnagol).</p>
 Eni Saipem	<p>Saipem Leasing, Brazil Development of Operating Procedure Manuals for the Vitorio FPSO offshore Brazil, (Petrobras).</p>
 Husky Energy	<p>Husky Energy, Canada Development of Operating Procedure Manuals for the SeaRose FPSO Development offshore Newfoundland.</p>
	<p>Shell, Nigeria Development of a suite of Operational Documentation to support the Operations Management System including Operating Procedures, HSE Documentation, Pipelines Manuals etc.</p>
	<p>Shell, Nigeria Design, development and supply of Isolation Status Walls to support the Permit to Work System for the Sea Eagle FPSO development. Also development and production of P & W Procedures, Permit Forms and Permit Racks.</p>
	<p>BAPCO, Bahrain Development of Operations Manuals and Operating Procedure Manuals for all of BAPCO upstream facilities in Bahrain.</p>
 BURLINGTON RESOURCES	<p>Burlington Resources, Algeria Development of Operating Procedure Manuals for the MLN Onshore Field Development in Algeria.</p>
 BURLINGTON RESOURCES	<p>MLN Onshore Facility, Algeria Research and development of Permit to Work Procedures, Permit Documentation, Permit Racks and Process Overview. Also development and delivery of Permit to Work Training.</p>














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	<p>BP, UK Development of Operating Procedures Manuals (Process/Utilities) for the Clair Field Development.</p>
	<p>Cameron, Houston, USA Development of Operating Procedures for the ExxonMobil Kizomba A Subsea Facilities offshore Angola.</p>
	<p>ExxonMobil, Angola Development of Operating Manuals and Procedures for the ExxonMobil Kizomba A and Kizomba B FPSOs offshore Angola.</p>
	<p>ZADCO, Abu Dhabi Updating and reworking of the Operating Procedure Manuals for all ZADCO offshore and onshore facilities in Abu Dhabi.</p>
	<p>SPEX/BRES, Philippines Finalisation of the Shell Philippines (SPEX) Malampaya Offshore Platform Operating Procedure Manuals for Brown and Root/SPEX.</p>
	<p>Shell, Philippines ODL were contracted by Shell to develop their Production Operations Manual to define how the Operations Function implemented their day-to-day activities.</p>
	<p>Shell, Iran Development of Operating Procedure Manuals for the Shell Iran Nowrooz and Soroosh Field Early Phase Development.</p>
	<p>Shell, Nigeria Development of Marine System Operating Procedure Manuals for the Shell Nigeria EA Development.</p>
	<p>BHP Billiton, UK Review and update of existing Operating Procedures Manuals to include the Hamilton East Development.</p>
	<p>Phillips Petroleum, UK Rework and update of the Jade Platform Operating Procedure Manuals to make them more Operations orientated and development of additional documentation.</p>
	<p>TotalFinaElf, UK Research and development of the Operating Procedure manuals for the Nuggets Subsea Development. Training Department prepared and delivered training on the facilities to the Field Operating Personnel. Also developed Training Manuals for the Alwyn North Platform.</p>















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	<p>TotalFinaElf, UK</p> <ul style="list-style-type: none"> • Development of Isolation Workpacks for use during the Annual Maintenance Shutdowns on the North Alwyn Platform. • Update of the North Alwyn Safety Case. • Development of the North Alwyn Emergency Response Plan.
	<p>Hess a/s, Denmark</p> <p>Development of Operating Procedure Manuals for AH A/S South Arne Platform in Denmark.</p>
	<p>South Arne, Denmark</p> <p>Development and production of Permit to Work Procedures, Permit Documentation and delivery of Permit to Work Training.</p>
	<p>Sable Offshore Energy, Canada</p> <p>Development of all Operating Procedures Manuals for the Sable Island Development in Canada. Consisted of two Onshore Gas Plants and three Offshore Installations.</p>
	<p>BHP Billiton, UK</p> <p>Rework and update of all Operating Procedure Manuals for the Liverpool Bay Onshore Terminal and all Offshore Installations.</p>
	<p>Shell St Bacton Terminal, UK</p> <p>Design, Development and Supply of Isolation Status Walls to support the Permit to Work System for Bacton Onshore Facilities.</p>
	<p>Shell St Fergus Terminal, UK</p> <p>Design, Development and Supply of Isolation Status Walls to support the Permit to Work System for St Fergus Onshore Facilities.</p>
	<p>Shell Mossmorran Onshore Facilities, UK</p> <p>Design, development and supply of Isolation Status Walls to support the Permit to Work System for Mosmorran Onshore Facilities.</p>
	<p>Shell Central, UK North Sea</p> <p>Design, development and supply of Isolation Status Walls to support the Permit to Work System for all Shell Central Installations.</p>
	<p>Shell Brent, UK North Sea</p> <p>Design, development and supply of Isolation Status Walls to support the Permit to Work System for all Shell Brent Installations.</p>
	<p>Shell Northern, UK North Sea</p> <p>Design, Development and Supply of Isolation Status Walls to support the Permit to Work System for all Shell Northern Installations.</p>




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	<p>Repsol Oil, Libya Research and Development of Operating Procedures and Pipeline Manuals for GOSPs (Gas Oil Separation Plants) in Libya.</p>
	<p>AIOC, Azerbaijan Development of Operating Procedure Manuals for the Sangachal Onshore Terminal in Azerbaijan.</p>
 <p>MAERSK</p>	<p>Maersk Contractors, UK Development of Operating Procedure Manuals for the North Sea Producer FPSO and the Maersk Curlew FPSO.</p>
 <p>MAERSK</p>	<p>North Sea Producer and Curlew FPSO's Development of Permit to Work System including Procedures, Isolation Status Walls and Permit Documentation. Also delivery of Permit to Work Training.</p>
	<p>Bluewater Operations, UK Development of Operating Procedure Manuals for the Uisge Gorm FPSO, Glas Dour FPSO and the Bleo Holm FPSO.</p>
	<p>Woodside Pet, Australia Reworking and further development of the Operating Procedures Manuals for Woodside Northern Endeavour FPSO in Australia.</p>
	<p>SBM/Shell Exploration, UK Finalization of Plant Operating Procedures Manuals for the Anasuria FPSO and associated facilities.</p>
	<p>SNEPCO Bonga FPSO Project, Nigeria Design, development and supply of Isolation Status Walls to support the Permit to Work system for the Bonga FPSO. Development and production of P & W Procedures, Permit Forms and Racks, development and delivery of P & W training.</p>
	<p>Sakhalin Energy Investment Company, Russian Federation Design, development and supply of Isolation Status Walls to support the Permit to Work System for the offshore installations.</p>
	<p>Sakhalin Energy Investment Company, Russian Federation Research and development of Operations Manuals for an on and offshore Oil and Gas Pipelines.</p>
	<p>Modec Incorporated, Singapore Development of Commissioning Procedures and Operating Manuals for the Modec Venture 1 FPSO.</p>
	<p>Premier Oil Natuna Sea B.V. Development of a Start Up and Operating Manual for the West Lobe Platform.</p>



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	<p>Greater Nile Petroleum Operating Company Development of an Oil Transportation Pipeline Metering Systems Manual (Multi Inputs and Outputs).</p>
	<p>Premier Oil, Myanmar Design, development and supply of Process Isolation Wall to support the Permit to Work System on the Yetagun Offshore Facilities.</p>
	<p>Petronas Carigali, Vietnam Development and production of a Start Up and Operating Manual for the offshore Ruby Platform facilities.</p>
	<p>Mobil Equatorial Guinea Inc. (MEGI) The project was to align MEGI's existing Operating and Maintenance (O&M) Procedures, and Facility Operating Manuals in line with the requirements of ExxonMobil's Operation Integrity Management System (OIMS). The procedures and manuals addressed were for the Jade, Zafiro and Abayak facilities. The objective was to separate each of the systems from the Facility Operating Manuals for each facility, one Operating and one Maintenance. The Scope of Work involved the two following key elements:</p> <ul style="list-style-type: none"> • Extraction of the system descriptions from each of the Jade, Zafiro and Abayak Facility Operating Manuals and integration into the appropriate system Operating or Maintenance Procedures. • Various detailed formatting and specification changes to the Operating and Maintenance Procedures to achieve consistency across the procedures.
	<p>Hess West Dome Unit, New Mexico Residual Oil Zone (ROZ) Development Project West Bravo Dom – CO2 Gathering, Compression & Export ODL are currently developing a single stand-alone Plant Operating Procedures Manual that provides a concise technical description of the main process and associated utility systems and step-by-step operating procedures addressing start-up, normal operations, shutdown and any associated supplementary procedures.</p>