



Oil & Gas Services for Fiber Optic Telecommunications

Pioneer Consulting has assembled an Oil & Gas engineering team that has industry-leading experience in working with Oil & Gas companies to provide fiber optic telecommunications solutions to offshore facilities in: the Arabian Gulf, the Gulf of Mexico, the North-West Shelf of Australia, the North Sea and West Africa. This includes connections to tethered/floating platforms, moored and turret FPSOs.

The project team personnel have extensive experience in the planning, design, implementation, commissioning and operation of terrestrial and submarine fiber optic systems. The experience of the members of the project team extends from their close involvement with the very first long-haul single-mode terrestrial deployments of fiber optics by MCI in 1983 and the first transoceanic fiber systems, TAT-8, PTAT and NPC, in 1988, 1989 and 1990.

More specifically, the project team has extensive, relevant experience in the preparation of feasibility studies, design, procurement and implementation of submarine cable and other telecommunication systems for offshore Oil & Gas assets.

Partial Oil/Gas Track Record:

Project	Description	Year
Abu Dhabi Pre-FEED Study	Pre-Front End Engineering and Design (Pre-FEED) study for a communications network linking onshore and offshore oil & gas production facilities in Abu Dhabi	2013
Northwest Shelf Inter-Platform System	Engineering of Australian inter-platform submarine cable system	2008
Deep Water Subsea Tiebacks	Engineering and feasibility study for long distance, subsea tiebacks including power and communications	2008
Angola Inter-Platform System	Engineering and RFQ package production; Network Design, Engineering, Desk Top Study, tender package development and FORJ analysis for cable system to multiple platforms	2007
GOM Inter-Platform System	System configuration development, engineering, procurement and implementation support of 1,200 km Gulf of Mexico inter-platform cable system	2007
Red Sea Platform Link	Engineering, procurement and project management of Red Sea submarine cable and microwave system to a platform	2007
West of Shetlands Inter-Platform Link	Engineering and installation assessment of North Sea West of Shetlands submarine cable system branched link to a platform	2007



Oil & Gas Services for Wireless Telecommunications

Pioneer Consulting has the capability to design, engineer, and implement microwave, terrestrial broadband wireless, and WiMAX/WiFi systems. Systems completed include point-to-point inter-platform links in California, and terrestrial facilities in the South Pole, Texas, and Prudhoe Bay, Alaska. Our staff have been involved in the design and implementation of long haul analog microwave radio systems since 1979 with projects in the Middle East, migrating to working on some of the first digital microwave systems for the Bell Operating Companies in North America in 1981. Our experience also encompasses planning and implementation of land mobile and trunked radio. Since 2004 we have supported and managed the implementation of broadband radio systems in oil field applications in Alaska, Wyoming, Colorado and the Gulf of Mexico.

Track Record:

Project	Description	Year
Microwave Engineering Study	Pre-feasibility engineering assessment of a microwave system for Shell platforms off the coast of Brunei	2010-2011
South Pole	Feasibility engineering assessment of a microwave system linking McMurdo and Amundsen–Scott-South Pole stations, South Pole	2010-2011
South Pole Telecoms Link	Scopes of work and cost estimates for future detailed investigations to refine feasibility of fiber optic and microwave solutions	2009
GOM WiMAX Review	Review of technology for potential WiMAX service in the Gulf of Mexico	2009
South Pole Telecoms Link	Engineering study of Antarctic telecoms link between McMurdo Station and Amundsen-Scott South Pole Station	2008
Microwave Placement Study	Engineering and placement study of a new build microwave tower	2008
Durango Broadband Wireless System	Engineering, procurement and project management of broadband wireless system in Colorado for 1,200+ natural gas well sites and compressor stations	2008
LNG FSRU Platform Link	Pre-feasibility Engineering Assessment of a submarine cable and/or microwave system for a Californian LNG FSRU platform	2006
Arkoma Broadband Wireless System	Engineering and procurement of a pilot broadband wireless system for a natural gas field in Oklahoma including well sites, drill rigs and vehicles	2006

For further information regarding Pioneer's services within the Oil & Gas sector, please call: +1 978 357 3605 or send an e-mail to: Guy Arnos, Vice President, North America, at: g.arnos@pioneerconsulting.com.