

CASE STUDIES

Exploration & Production Oil Major

Fully Redundant, Customized Solution Delivering High Availability, Resiliency and Flexibility to 45 Sites



ITC Global provides a custom-designed communications solution to one of the world's largest oil and gas companies operating in nearly 100 countries. The organization is active in all areas of the industry, including exploration and production, refining, distribution, petrochemicals and power generation.

Requirements

- Communications to key Western Hemisphere sites in the Gulf of Mexico and Trinidad & Tobago, including rig operations, ROV support vessels and production and pipeline sites
- High-availability connectivity for corporate applications
- Fully redundant solution to support critical applications in adverse weather
- Solution based on iDirect technology involving a complex transition of incumbent services and technology

Solution

- Custom-designed, dual-stack solution delivering 80+Mbps of bandwidth
- Fully redundant MPLS network connects all teleports to customer's network
- Combination of stabilized and fixed satellite antenna systems
- Technology platform enables interoperability between regions and dynamic rerouting of traffic

Outcome

- Future-proof solution capable of migrating to High Throughput Satellites
- Single technology platform can accommodate different remote sites globally
- Enhanced reliability, throughput and resilience - satellite services for rig operations to maintain 99.99%
- Fully redundant satellite and teleport infrastructure guarantees that the failure of any teleport, terrestrial link or satellite will not result in loss of service