



INNOVATING AND DELIVERING THE BEST VALUE SUBSEA DATA NETWORKS ON THE PLANET

Offshore Oil & Gas Fiber Optic Cable Network Solutions: The SubCom Subsea Advantage

SubCom designs, manufactures, deploys, maintains and operates secure, robust subsea fiber optic networks for offshore exploration and production, enabling the oil & gas (O&G) industry to reduce operational risk, enhance recovery, increase production, and monitor and control operations. SubCom network solutions enable our clients to assure health, safety, security, and environmental standards are met - accelerating our client's transition to a sustainable future.

The ongoing, rapid shifts in the energy market make it imperative that offshore O&G operators maximize productivity, efficiency, and safety by taking advantage of the **most modern advancements in digitalization**. Secure, stable, and expandable data communications are mission critical for the offshore O&G industry.

SubCom enables the O&G industry to **maximize the value** of their offshore assets for decades, combining cutting-edge research and development (R&D), a broad product portfolio, and a specialized fleet of ships with a history of O&G installation expertise, with unparalleled technical and regulatory subject matter experts (SMEs). From fiber optic network planning and design to operations and maintenance, SubCom deploys **scalable subsea solutions** in the most challenging deepwater and ultra-deepwater environments on the planet. SubCom has the end-to-end capabilities to directly address the unique needs of O&G operators through the **full lifecycle** of the asset from initial planning to decommissioning.

500+
Tbps

TOTAL AVAILABLE
TRANSOCEANIC
CABLE CAPACITY

35+

NUMBER OF
OFFSHORE ASSETS
CONNECTED
GLOBALLY



SOLUTIONS & SERVICES

With a tradition of exceptional reliability, performance, and service, SubCom supports its O&G customers' needs from network design to decommissioning. SubCom provides the following solutions:

EXPERT CONSULTING

- Technical front-end engineering and design studies (pre-FEED and FEED)
- Due-diligence studies
- Permitting road maps (acquisition and timelines); permit tracking and compliance matrices; and nontechnical risk studies (e.g. environmental, social)
- Network and cable route planning and design
- Reservoir Monitoring

SMART PLATFORM CONNECTIVITY

- Enabling large bandwidth data exchange between offshore assets, and offshore to onshore assets
- Ongoing, real-time, secure communications
- Flexible, diverse network topology and hardware proven in harsh environments
- Allows remote operations and monitoring in real-time
- Increases safety and addresses environmental concerns

OPERATIONAL EXCELLENCE

- Network Operations Center (NOC)
- Primary/Main NOC (PNOC)
- Secondary/Backup NOC (BNOC)
- Network Administration (NA) - Front Line NOC Services

MAINTENANCE TO ENSURE SYSTEM LONGEVITY

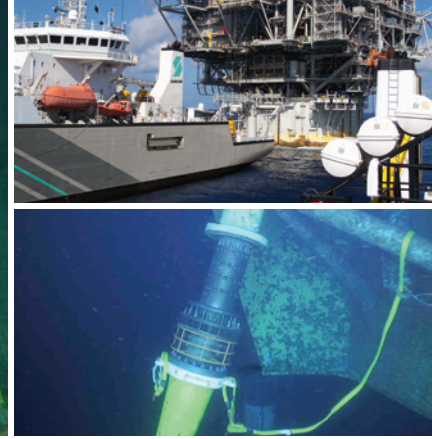
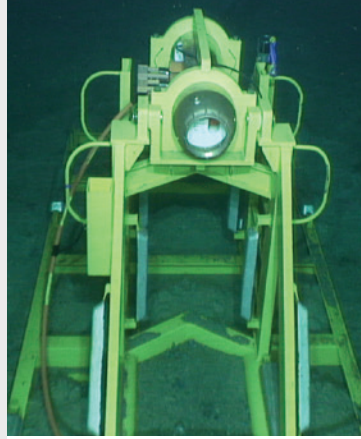
- Marine maintenance and repair
- Dedicated, purpose-built vessels strategically stationed around the globe
- Subsea asset audits (regularly scheduled periodic inspections)

ABOUT SUBCOM

SubCom engineers, manufactures, and installs subsea fiber optic data cables - the unsung heroes of global communication. With an unrelenting focus on quality, reliability, and value, SubCom offers flexible end-to-end building blocks for the high-tech networks that are the backbone of the world's digital infrastructure. While the company's origins date back to the mid-19th century, SubCom has deployed enough cable to circle the equator more than 25 times since its entry into the communications industry in 1955.

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PROVEN EXPERIENCE

- Providing communications infrastructure for O&G assets since 1998, starting in the Campos Basin, offshore Brazil
- North America's first ever repeatered subsea fiber optic network in the US Gulf of Mexico (GoM) providing approximately 1,200km of connectivity, reliability, and unlimited bandwidth to 17 platforms with 21 branching units and 26 repeaters
- Global Technical Support Center (GTSC) for existing fiber networks



OUR CAPABILITIES

- DP2 capable fleet – compliant with Offshore Vessel Inspection Database (OVID) audits and individual operator assurance inspections
- Design, manufacture, and install dedicated static and dynamic riser fiber optic cable
- Customized solutions for subsea wetmate connections
- Ability to monitor platform systems remotely during unplanned events
- Enabling remote operations of subsea assets



OUR VALUE

- Scalable solutions to allow future expansion
- Enabling offshore access to the Internet of Things (IoT)
- Automation of offshore facilities for greater efficiency and safer operations
- Increased reliability and uptime
- Lower operating costs through improved productivity

