

# The Poseidon Network

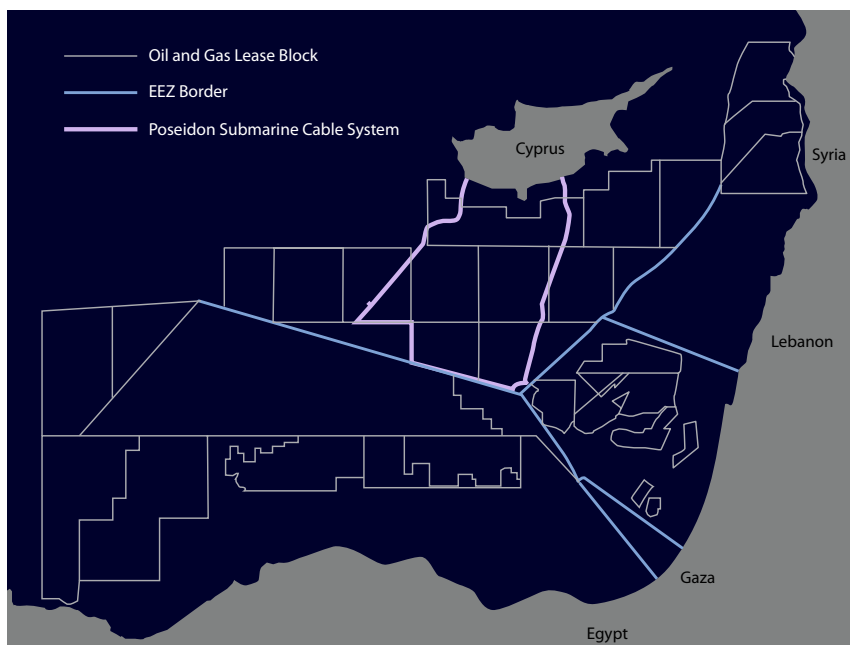
## State-of-the-Art Subsea Fiber Technology

Radius Oceanic Communications, Inc. was formed to meet the growing demands of the offshore oil and gas industry for fiber optic network services. From the earliest stages of field development, Radius works with Operators to **future-proof their telecom strategy**, addressing a full range of fiber optic field architecture, long-term telecom service needs and metocean data requirements.

**We recently commissioned the Poseidon Network, a secure, low latency, high bandwidth fiber optic network built to serve the oil and gas industry in the Eastern Mediterranean. The network is designed to minimize upfront capital costs, provide upgrade paths as needed and offer a long-term commitment to telecom services, operations and maintenance:**

### Network Specifications

- 800km fiber ring extends from two shore landings in Pentaskhinos and Yeriskipos, Cyprus
- 8 fiber pairs, 6 of which can carry between 32 and 64 wavelengths each for high-capacity transmission
- Optical Add-Drop Multiplexing (OADM) architecture
- Full wavelength connections to any of the 13 Cypriot lease blocks
- 10Gbp, 40Gbp and 100Gbp transmission rates per wavelength provide fast, high capacity data transmission and network security
- Trunk and branch powered, repeated backbone facilitates expansion to adjacent blocks and alternate landing as new areas for development are opened



### Benefits

- Optimized network security between offshore assets
- End-to-end global transit connectivity to headquarters and regional offices
- Expandable network capabilities to accommodate new areas of development
- Complete operational independence between offshore assets
- 24x7 carrier grade operations and marine maintenance

## Expansion

The need to solve for growing offshore safety, security, operations and lifestyle requirements has never been more critical. Operators are increasingly **turning to fiber optic networks to address these dynamic and diverse needs**. Radius provides Operators long-term service contracts coupled with world-class maintenance and operations engineered to:

### Increase efficiency of offshore operations and reduce downtime

- Connection between land and offshore personnel to accelerate and improve decision making
- Availability of specialized land-based personnel across multiple operations or regions
- Real-time visibility and oversight to manage exploration and drilling assets

### Increase operational safety and security

- Video or sensor monitoring of all key operations
- Video conferencing capabilities for a variety of needs including safety training and telemedicine
- Fewer transit trips required between shore and assets

### Increase employee well-being and retention

- High-speed internet access for personnel that doesn't compete with business operations
- Video calling and chat capabilities for connection with family and friends
- Online entertainment and gaming to improve offshore quality of life

### Increase environmental safety and control

- Meteorological and oceanographic monitoring for spill response planning and operations
- Greater visibility and control of seafloor and downhole

