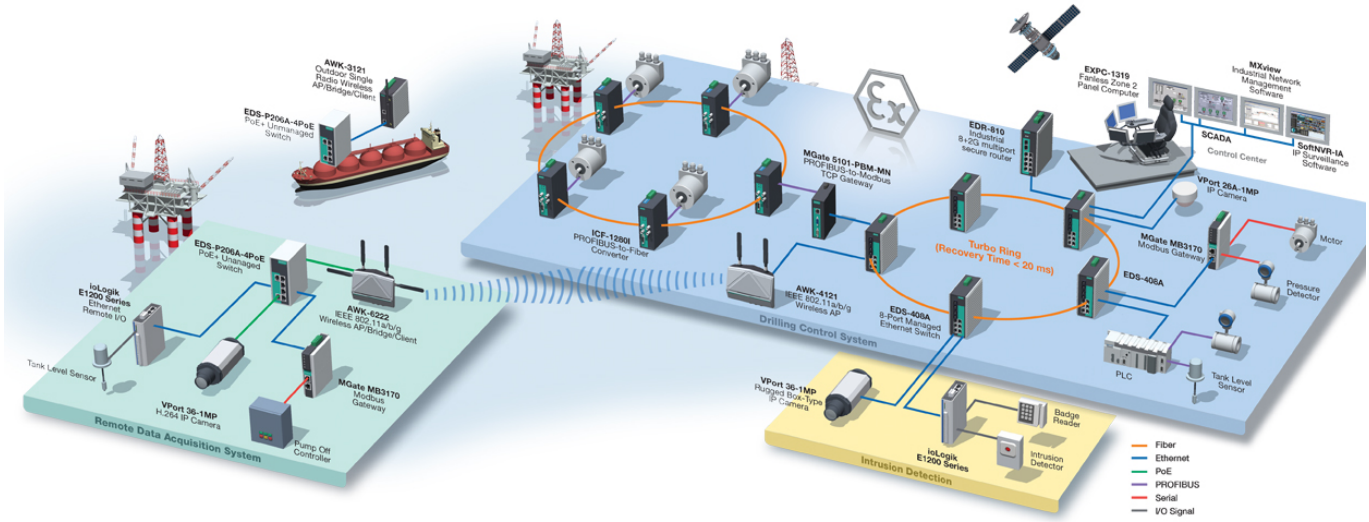
Moxa: Upstream Offshore

Offshore Oil and Gas Network Communication Solutions for Oil Drilling Control Systems



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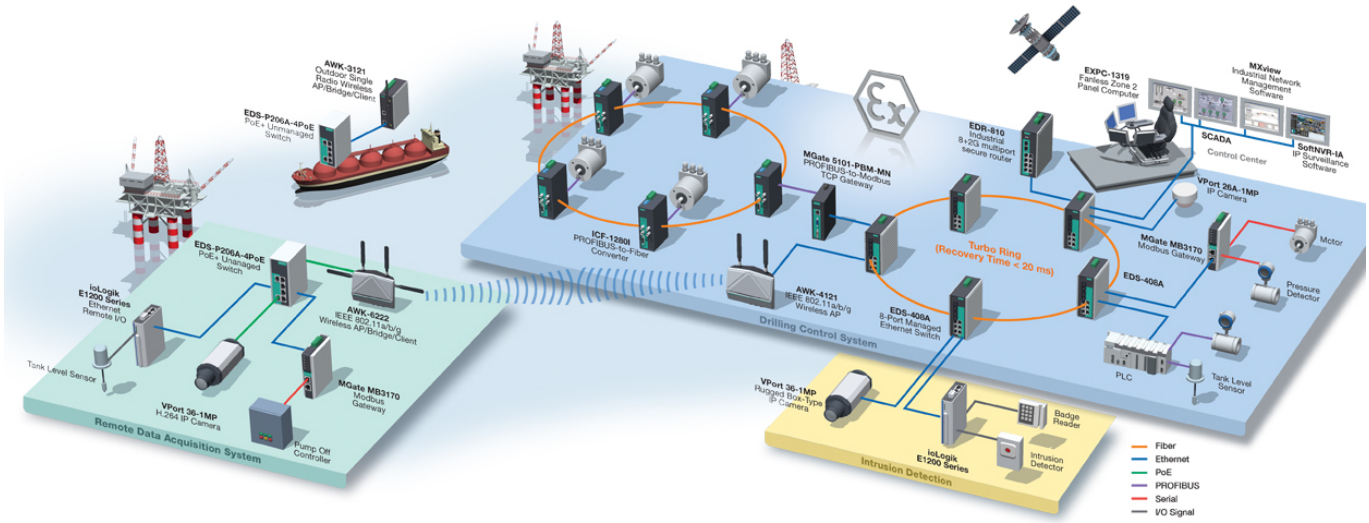
The oil and gas communication network equipment must comply with industrial standards that certify its ability to operate in an environment with varying temperatures, corrosion, and vibration.



Network Requirements

- A single, highly interoperable computing platform to effectively serve drilling control systems.
- Real-time monitoring of the field site from the driller´s cabin.
- All information (e.g., power, drilling speed, temperature points, etc) must be displayed on the drilling console.
- ATEX Zone 2 certification for hazardous locations, to guarantee system safety.
- Robust, durable devices to reduce system downtime.
- Network redundancy to enhance communication efficiency and reliability.

Moxa Offshore Oil and Gas Solutions

- Complete line of ATEX Zone 2-certified networking, computing, and monitoring solutions.
- Sunlight-readable, IP66-rated panel computers.
- Turbo Ring and Turbo Chain network redundancy technologies deliver integrated Ethernet rings that recover in 20 ms or less.
- Industrial Ethernet gateways for a wide variety of industry-standard protocols and Active OPC Server, for seamlessly integrating remote I/O into the SCADA.
- Industry´s most user-friendly network management and diagnostics tool: MXstudio network management suite.