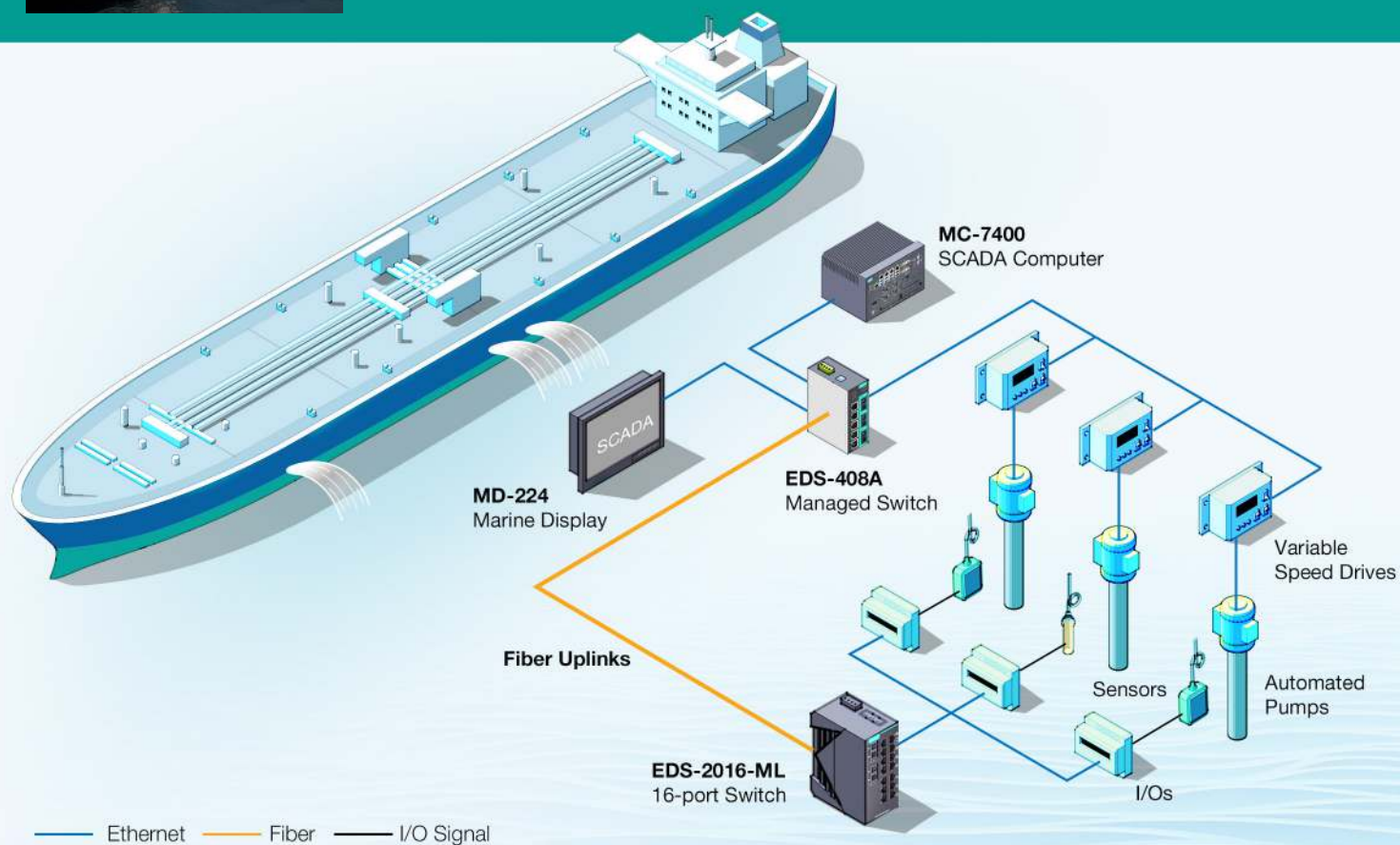




Deep Well Pump Monitoring For Automated Marine Application

A ship added data monitoring for deep well pump systems to create self-contained units for marine automation. The pump systems required simple and reliable Ethernet switches to send real-time status information and instant relay alarm warnings to monitor operational safety.



System Requirements

- Maritime-grade devices to withstand on-board vibration
- Wired communication for stability
- Power redundancy to ensure seamless operation

Moxa's Solution

The EDS-2016-ML switches are marine-certified*, featuring dual power redundancy and a wide temperature tolerance between -40 to 75°C. The 16-port unmanaged Ethernet switches make it easy to collect data from a wide array of end-point I/Os and sensors deployed in harsh operating environments. The relay output allows instant alarms for on-site monitoring and troubleshooting.

Why Moxa

EDS-2016-ML Series 16-port industrial unmanaged Ethernet switches

- Rugged design with a high MTBF of over 2 million hours
- DNV GL-certified* and high EMC/EMI resistance (industrial IEC 61000 level 3 criteria A)
- Dual power inputs for redundancy and flexible fiber port combination

* Certification pending in Q4 2020; the fiber models will be available in Q4 2020.

