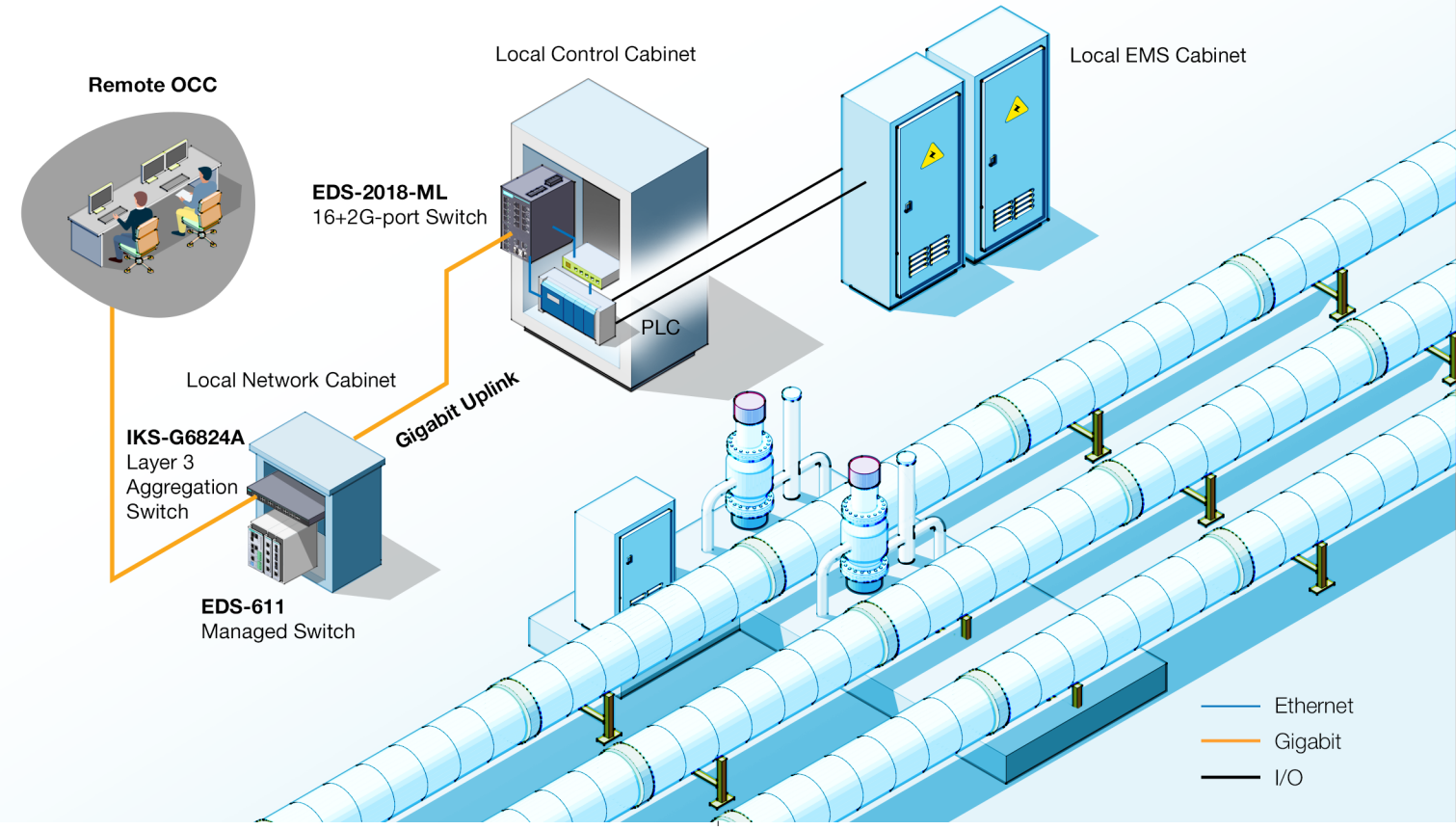
Field Asset Monitoring Along Pipeline Deployment

An oil and gas company expanded networks to keep up with their crude oil wells exploration. The field network is built to control and monitor field instruments between oil wells, EMS workstations, and the remote OCC control center. The control cabinets were built separately from network cabinets for field operations and required simple but highly reliable connections capable of sending alarm notifications.



System Requirements

- Rugged network devices to operate in hazardous locations
- Instant warning function for on-site monitoring
- Enhanced noise resistance to transfer EMS and I/O data to a local network console

Moxa's Solution

The EDS-2018-ML switches are designed to provide reliable connectivity in hazardous environments, featuring great EMI/EMC resistance, a wide -40 to 75°C operating temperature range, and dual power input for redundancy.
The convenient DIP-switch enabled QoS and BSP improve data efficiency, while the relay alarm will keep field workers alerted of power failures or port disconnections.

Why Moxa

EDS-2018-ML Series

16+2G-port Gigabit industrial unmanaged Ethernet switches

- Relay alarm for power failure or link break warnings
- QoS guarantees high priority for critical industrial protocol data
- NEMA TS2, IECEx, ATEX, Class I Division 2-certified*

** Certification pending in Q4 2020*