

High bandwidth data transmission between offshore O&G facilities

Using wireless communication for data transmission on oil rigs, between oil rigs, or between oil rigs and vessels enables significant cost reductions without compromising communication reliability. Moreover, HSSE incidents can be reduced to help ensure a safer environment for the workers.

Advantages

- Significant reduction in CAPEX, e.g. commissioning time and costs are dramatically reduced compared with a wired solution
- Significant reduction in OPEX, e.g. cable maintenance and troubleshooting
- Reduction of HSSE incidents without compromising production targets
- SCALANCE W permits the deployment of wireless fail-safe data transmission to support applications with SIL demands
- Industrial feature set and industrial design, e.g. -40°C to +85°C, passive cooling, conformal coating
- Long-range communication over water of up to 40 km
- 5-year warranty for all SCALANCE and RUGGEDCOM products

Products used for this application

- **Industrial Wireless LAN – SCALANCE W**
SCALANCE W devices offer reliable wireless communication at various automation levels according to the IEEE 802.11n standard.
- **WiMAX – RUGGEDCOM WIN**
RUGGEDCOM WIN is the first broadband wireless product portfolio designed for private networks.
- **Industrial Ethernet switches – SCALANCE X**
With SCALANCE X, we offer a comprehensive portfolio of managed and unmanaged switches for specific networking tasks.
- **Industrial Ethernet switches – RUGGEDCOM**
Highly reliable and specifically designed for use in harsh environments: our RUGGEDCOM industrial Ethernet switches.

