

Safeguarding tank farm assets with short and long-range wireless data transmission

Communication plays a crucial role out in the remote areas where tank farms are located, particularly when considering the sensitive environmental and extreme climatic conditions that systems operate in. Using both short and long-range wireless communication, our SCALANCE and RUGGEDCOM products provide a dependable architecture for continuously monitoring tank farm system performance – and for mitigating HSE incidents.

Advantages

- Reliable and secure wireless data transmission over both short (up to 150 meters) and long distances (up to 3 kilometers), even in harsh environmental conditions
- Reduced risk of HSSE* incidents – improving the safety of field workers and facilities while lowering the potential risk of environmental disasters
- Significant CAPEX** minimization, e.g. dramatically lower commissioning time and costs compared with a wired solution
- Much lower OPEX***, e.g. for cable maintenance and troubleshooting
- 5-year warranty on all SCALANCE and RUGGEDCOM products

*HSSE = Health, safety, security and environment

**CAPEX = Capital expenditures

***OPEX = Operational expenditures

Products used for this application

- **WiMAX – RUGGEDCOM WIN**
RUGGEDCOM WIN is the first broadband wireless product portfolio designed for private networks, delivering all the benefits of carrier-grade 4G technology.
- **Industrial Ethernet switches – RUGGEDCOM**
Highly reliable and specifically designed for use in harsh environments – that's what you can expect from our RUGGEDCOM industrial Ethernet switches.
- **Sensors**
Level monitoring of tank farms require a high level of accuracy. Our SITRANS product families are well-suited for the task.

