

# Industrial communication builds the bridge to digitalization

Reliable communication networks create the foundation for high-performing applications in process automation. For applications used in the oil and gas downstream sector, fail-safe automation systems are a must in order to protect personnel and storage facilities. Siemens is a one-stop-shop that offers a DCS automation system based on PCS 7, SCALANCE X industrial grade communications networks, and SINAMIC drive systems saves commissioning time and delivers easier integration.

## Advantages

- Mitigation of HSSE incidents via fail-safe communication
- CAPEX and OPEX optimization through wireless solutions
- Network security via implementation of defense-in-depth security concept
- High availability via continuous operation 24/7
- Secured and reliable remote access thanks to SINEMA Remote Connect

## Products used for this application

- **Industrial Ethernet switches – SCALANCE X-200 for Process Automation**  
Designed for use in PROFINET networks, these switches meet the special requirements of the process industry.
- **Industrial Wireless communication – SCALANCE W**  
SCALANCE W devices offer reliable communication at various automation levels according to IEEE 802.11ac standard.
- **Management platform for remote networks – SINEMA Remote Connect**  
The server application SINEMA Remote Connect provides easy and secure remote access to machines and plants for maintenance.
- **Process instrumentation**  
Our comprehensive process instrumentation portfolio offers best-in-class transmitters for the widest range of applications.
- **Failsafe Controller – SIMATIC S7-400H**  
Specially designed for redundant and fail-safe applications, the controller SIMATIC S7-400H provides reliable and scalable functions.

