

Monitoring and control of gas operations via WiMAX

Using wireless remote communication for data transmission in an oilfield means independence from cabling and the disadvantages of maintaining them. Wireless communication in harsh and remote environments of up to 40 km is possible. Reliable wireless remote monitoring with fast reaction times can be implemented to satisfy changing demands.

Advantages

- Reliable wireless communication between base stations and control center via WiMAX, also in redundant configurations
- Significant reduction in CAPEX: commissioning time and costs are dramatically reduced compared with a wired solution
- Significant reduction in OPEX: no more cable maintenance and troubleshooting
- Industrial feature set and industrial design, e.g. wide temperature range -40 °C to +85 °C, conformal coating
- Increased efficiency: complete solution from one provider, including services, cabling and network design reduces commissioning time and permits easier integration

Products used for this application

- **WiMAX – RUGGEDCOM WIN**
RUGGEDCOM WIN is the first broadband wireless product portfolio designed for private networks.
- **Process Control System – PCS 7**
Flexible, scalable, powerful: the innovative distributed control system SIMATIC PCS 7 enables you to quickly respond to constantly changing market requirements.
- **Process instrumentation**
Our comprehensive process instrumentation portfolio offers best-in-class transmitters for the widest range of applications.

