AUTOMATION & DATA ACQUISITION
UNINTERRUPTED MONITORING & CONTROL—EVERYWHERE

Redline delivers an ultra-reliable, high-security IP wireless network that connects all sensors and field instrumentations anywhere

- Absolute reliability
- Military level security
- High capacity over long ranges
- Scalable to thousands of devices
- Supports TCP/IP and Serial communications
- Remotely manageable
- Operates over all terrain
- Operates in all weather conditions
- Works in any frequency from 470 MHz to 6 GHz
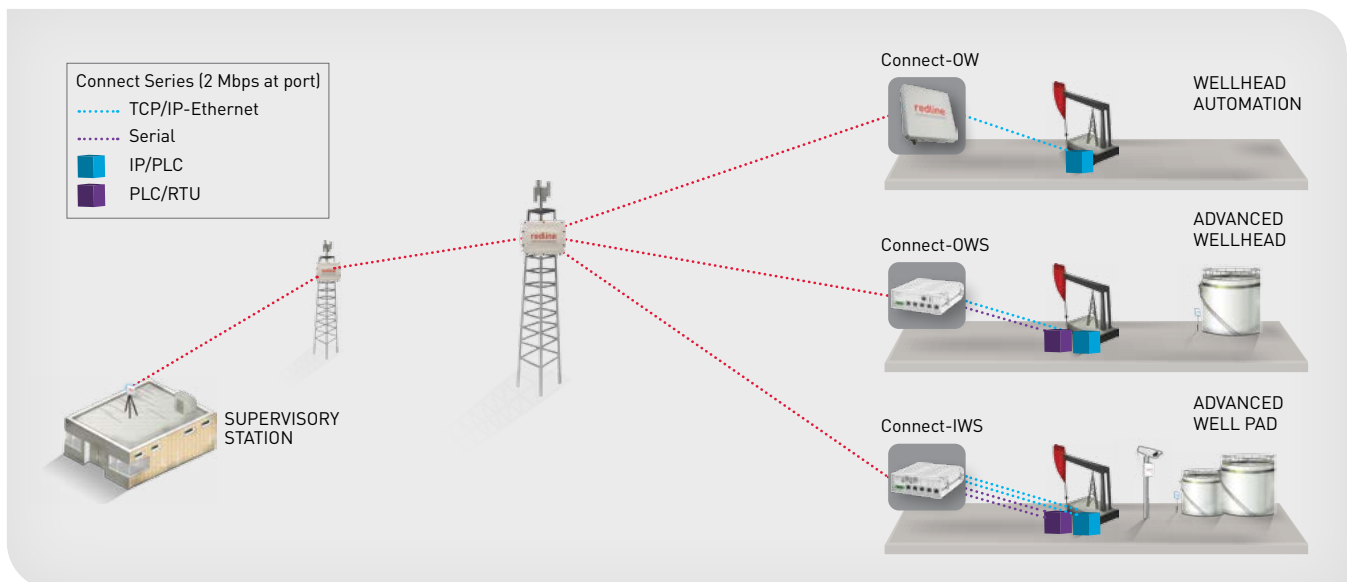- Supports multiple applications simultaneously

Redline's CONNECT wireless data terminals provide connectivity for all IP and serial RTUs and PLCs, bringing data to and from the field.

- Real-time data enables management by exception for greater efficiencies
- Real-time polling and high-speed two-way communication turn data collection into real-time control
- Scalable capacity gives you unlimited data for post-incident trouble shooting
- Multiple dual serial and TCP/IP interfaces let you grow from serial to IP without replacing your network

- Redline's industry-leading reliability keeps your network operating for the long term with temperatures as cold as -40 °C / -40 °F and as hot as 75 °C / 167 °F

A Redline CONNECT-based wireless network gives your operation the interfaces to connect to anything, and the capacity to connect to everything.

Connect Series (2 Mbps at port)
- TCP/IP-Ethernet
- Serial
- IP/PLC
- PLC/RTU

Connect-OW — WELLHEAD AUTOMATION
Connect-OWS — ADVANCED WELLHEAD
Connect-IWS — ADVANCED WELL PAD
SUPERVISORY STATION

POWERFUL. VERSATILE. RELIABLE.

redline®
communications

A REDLINE CONNECT-BASED NETWORK DELIVERS THE LOWEST OVERALL COST OF OWNERSHIP

- Long-range point-to-multipoint operation for fewer towers
- Serial and TCP/IP support means only one unit needed
- High capacity (2 Mbps at the port, field upgradeable) for unlimited data polling
- Works on any frequency between 470 MHz and 6 GHz for maximum flexibility
- Rugged reliable units mean fewer replacements and repairs
- A single Redline network supports SCADA and other applications without impact
- Almost instant, one-step provisioning from the field means no specialized hardware or skills required

REDLINE INDUSTRIAL WIRELESS SYSTEMS:

- Industry's most reliable solution
- 20 year+ lifecycle rating
- Real-time data performance
- Secure and safe

Connect-OW

REDLINE CONNECT DATA TERMINAL:

- IP-Ethernet & serial onboard
- Most serial protocols
- Radio in-cabinet or on-mast
- Very low power consumption

Connect-OWS

Connect-IWS

" OUR CUSTOMERS SAY IT BEST…

A Redline fixed wireless terminal unit at a well pad and a Redline RAS-enabled pickup truck at OXY in North Dakota

OXY

"The company is increasing production and providing better control of inventory than ever before. This was the result of the company leveraging the technology so the business tools are aligned with operations to run the business and the major projects. It gives us a lot more transparency than we had in the past."

Don Moore | *Vice President and Chief Information Officer* | **Occidental Petroleum**

A Redline fixed wireless data terminal installed at a wellhead at PDO, a Shell Oil joint venture in Oman

"Following the installation of the Redline wireless system, 36 times more data is collected, allowing more accurate and faster decisions. The solution has also increased collaboration allowing for better safety and improved work flow."

Saeed Al Shidhani | *Head of IT Projects* | **Petroleum Development Oman**

---

redline®
communications