## Solutions for process automation

### HART
- HART multiplexer/gateway
- HART USB modem
- Access the diagnostic data of your HART instruments via Ethernet
- One HART master per channel for faster polling than traditional serial mux
- HART over wireless can be achieved by integrating our mux with a WLAN Ethernet radio
- Applications for both retrofit and new builds incorporate HART information into your plant asset management system

### Signal isolation
- Analog signal converters
- Analog loop isolators
- Analog set point modules
- Intrinsic safety barriers
- Slim, modern, modular, analog signal conditioners
- Signal conditioning/filtering maintains signal integrity
- Isolate active loops and power passive loops
- Modules available for temperature conversion and limit relays
- Modules available for hazardous locations and safety (SIL) applications
- Modules available with CID2, ATEX, IECEx, and GL approvals

### Signal protection
- Power and data protection
- Data protectors with status LEDs
- Hot swappable and pluggable
- State-of-the-art products
- Warranty enhancements
- True CAT 6A POE+ protection
- Protection of critical equipment
- Increased uptime
- Three-stage local and remote functional status indication
- Easy installation and replacement
- Tested and certified to UL and EN/IEC standards
- Robust and reliable protection for high bandwidth signal applications

### Digital fieldbus
- Ethernet-APL
- PROFINET
- PROFIBUS PA
- Ethernet to the field
- 10 Mbit/s speed
- Intrinsically safe spurs for APL field devices
- PROFIBUS-PA proxy
- 200-meter spurs

### Networking and communication
- 900 MHz I/O
- WLAN radios
- Cellular modems
- Ethernet switches
- Security routers and firewalls
- I/O systems
- Long-distance, high-performance, easy wire replacement for I/O
- High-bandwidth 200 mW WiFi - wireless communication on both 2.4 and 5 GHz
- Wide array of connectivity networking options
- Communicate with your systems worldwide with a secure VPN connection and free cloud service
- Fast and cost-effective I/O options in IP20 and IP67 suitable for potentially explosive areas