SecFlow line of compact gateway/ruggedized switch and routers feature built-in security mechanisms designed specifically for SCADA applications controlling mission-critical operations. They integrate multiservice functionalities that typically require dedicated communication devices to provide network access to remote sites over fiber connections or over public 3G, LTE cellular networks.

SecFlow’s defense-in-depth design provides efficient protection from insider cyber attacks. They are ideal for utility companies and other critical infrastructure organizations. SecFlow devices are deployed to provide distributed security for Smart Grids, water and gas utilities, public safety and homeland security agencies, as well as intelligent transportation operators.

Part of RAD’s Service Assured Networking Solutions
Key Takeaways:

• Provide next-generation communications for critical infrastructure with advanced switching and routing functionalities

• Comprehensive multiservice support for IEC 61850, IEC 60870-5-104, DNP 3.0, and their serial legacy protocol equivalents reduces the number of network elements and simplifies operations

• Top-level cyber security suite boosts NERC CIP compliance levels for bulk electric systems (BES), including a rich feature-set and unique service-aware DPI for SCADA protocols

• Certified to meet industrial-grade requirements

• Field-proven, deployed worldwide

Use SecFlow for:

- Ruggedized Substation LAN
- Distribution Automation and Smart Metering Backhaul
- Oil & Gas Utilities Communications
- Mass Public Transportation Communications
- Highway Communications
- Smart City Communications
Distribution Automation and AMI/AMR

Ruggedized Substation LAN with Distributed Firewall
Quick Specs:

- Multiservice support: Fast Ethernet/GbE, Serial RS-232/485, Power over Ethernet (PoE)
- Connectivity to remote and isolated sites using a dual SIM cellular modem for 2G/3G/HSPA+/HSDPA/LTE uplink supporting flexible connectivity methods such as encrypted L3 DMVPN, L2 VPN, IPSec VPN, NAT
- Advanced Ethernet and IP feature-set
- Cyber security suite: 802.1X, IPSec encryption, APA (authorization proxy authentication), ACL (L2-L4), SCADA-aware firewall
- Serial protocol handling with transparent tunneling/protocol conversion/terminal server feature-set for IEC 60870-5-101, IEC 60870-5-104, Modbus RTU to Modbus TCP and DNP3.0 RTU to TCP
- Comply with IEC 61850-3 and IEEE 1613
- Wide range of form factors and functionalities addressing various installation needs for small sites, substation process bus and station bus, data collection sites, and high density aggregation sites

Contact your local RAD distributor for additional/new application information