Your Benefits:

- Powerful cross-generation TDM, IP-MPLS and Ethernet capabilities, including TDM DSO cross connect and SDH/SONET, Gigabit Carrier Ethernet with OAM and assured QoS, TDM pseudowire, Ethernet over NG-PDH/SDH/SONET, IP/MPLS, MPLS-TE, MPLS-TP and OTN/DWDM
- Complete cyber attack prevention suite, including encryption, authentication, authorization, and auditing
- Easily configurable connectivity of all serial automation and Teleprotection devices to either SDH/SONET network or to a packet network
- Supports analog and digital data and voice devices, as well as Ethernet IEDs, with versatile rates from RS-232 up to STM-64/OC-192 or 10-GbE
- Guaranteed smooth migration to PSNs based on hybrid design for reduced latency and better resiliency
- Point-to-point and point-to-multipoint radio connectivity supports high capacity mission-critical traffic over licensed and unlicensed bands

Products Included in this Solution:

- Megaplex
  Next-Generation Multiservice Networking Node with Juniper vMX Module
- DXC-5
  High Capacity Hybrid Cross Connect
- Ceragon/Airmux
  Wireless Transport Platform
- RADview
  Management and Domain Orchestration

1 Multiservice Operational WAN
Power Utility Communications

Your Benefits:
- Supports Ethernet-based communications for mission-critical automation traffic within the substation and between SCADA control centers
- Multiple elements on each ring/sub-ring
- Complies with IEC 61850-3 and IEEE 1613 environmental standards
- Legacy communications using pseudowire emulation (PWE) with hitless PWE redundancy
- Optional PoE+
- Ring protection: Standard with G.8032 and proprietary with fast recovery time (<10 ms for PF_Ring™)
- Supports installation in harsh environments, IEEE 1613 and/or IEC 61850-3 (optional for specific devices)

Products Included in this Solution:

- Megaplex-4
  Next-Generation Multiservice Networking Node
- Megaplex-1
  Multiservice Pseudowire Access Gateway
- PowerFlow
  Managed Ruggedized Ethernet Switch with Power over Ethernet
- RADview
  Management and Domain Orchestration
Power Utility Communications

Your Benefits:
- A comprehensive and secure solution addressing communications to secondary substations, metering and distribution automation
- Virtual environment for user-tailored applications allows customers to add new applications on top of SecFlow devices
- Zero-touch provisioning, enhanced cyber security (IPsec, PKI, FW, IDS/IPS, SIEM)
- Seamless communications over fiber optics, radio links, 2G/3G/LTE cellular links, and leased lines from a telecom service provider
- Secure remote access for end-user device management
- Integrated LoRaWAN gateway
- Transparent delivery of SCADA, protocol conversion and terminal server
- Complies with IEC 61850-3 and IEEE 1613 environmental standards
- Point-to-multipoint radio connectivity supports high capacity mission-critical traffic over licensed and unlicensed sub-6 GHz bands

Products Included in this Solution:

SecFlow
Ruggedized SCADA-Aware Gateway with Edge Computing

SecurityGateway
VPN Aggregator, Router and Firewall

Airmux
Point-to-Point and Point-to-Multipoint Broadband Wireless Access

RADview
Management and Domain Orchestration
Power Utility Communications

Your Benefits:

- Single product supports both distance trip command relays and differential Teleprotection delivery over TDM or IP network
- Wide range of Teleprotection interfaces — serial, G.703 co-directional, E6/M, C37.94 — to extend differential Teleprotection
- Reduce CapEx and OpEx by using a single-box solution for all substation communication services, including voice, data, automation, and Teleprotection signals
- Redundancy hierarchy from the Teleprotection interface up to the communication link ensures 0 (zero) msec hardware protection
- Sub-2 msec end-to-end delay over PSN
- Tested interoperability with most Teleprotection contact relays from leading vendors (such as Alstom, ABB, Siemens, SEL, Schneider)
- Distance protection complies with IEC 60834

Products Included in this Solution:

Megaplex-4
Next-Generation Multiservice Networking Node

Megaplex-1
Multiservice Pseudowire Access Gateway

RADview
Management and Domain Orchestration