

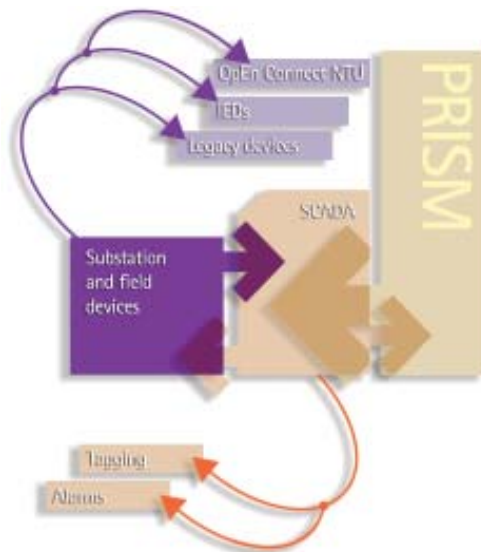
One of the toughest challenges facing utilities today is how to sort through the mountain of available real-time data to create accurate, useful information. Active substation devices—particularly IEDs—can inundate RTUs, masters and system operators with extraneous data. Advanced Control Systems developed the Virtual RTU™ to streamline data into accessible, useful information. Virtual RTUs create the effect of multiple RTUs that—to the master station—appear to be separate devices. Master stations can target individual Virtual RTUs for selective operation. And you can configure Virtual RTUs to provide different data sets to different masters. Our OpEn Connect™ NTU-7500 line uses this concept in tandem with a distributed processing architecture to interface with sub-station devices through serial communications or local area networks.

Streamline data into accessible, useful information

But OpEn Connect technology doesn't stop there. The flexibility and programmability of our NTUs goes far beyond that of ordinary RTUs. They can be deployed as protocol converters, network and IED gateways, Ethernet®-based substation data

Substation Automation

Flexibility far beyond that of ordinary RTUs



concentrators and full-fledged substation controllers. NTU-7500 units have been configured to automatically initiate our Fault Detection, Isolation and Restoration program in the event of SCADA master communication failure. They also provide crucial real-time communications between disparate master protocols running on multiple masters at different utilities and regulatory agencies.

Despite these impressive capabilities, our NTUs are remarkably easy to use. Our NTU Configure™ is an elegant, Windows®-compatible tool that makes light work of reconfiguration or expansion. Changes to the type and number

of ports and protocols to the master stations, IEDs, local I/O points, and/or other components are easily accommodated. NTU Configure is the solution to re-cabling your substation. It cuts your configuration time to minutes, instead of the hours needed for traditional RTUs.



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