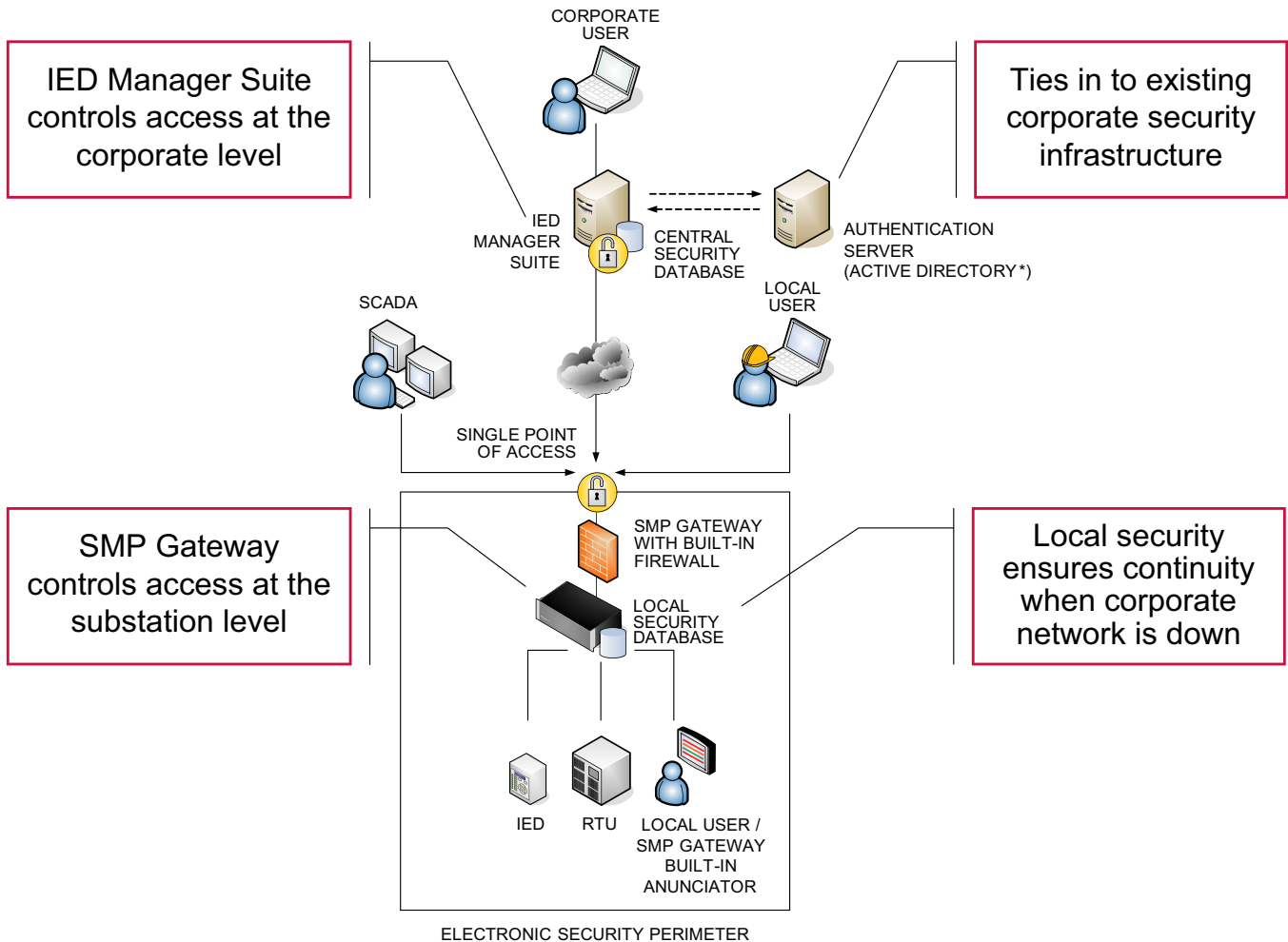




Providing Secure and Reliable Access to Substation IEDs

Cooper Power Systems' **Cybetec SMP Gateway** and **Yukon IED Manager Suite** work together to provide secure and reliable access to substation IEDs at all times, even when connection to the enterprise security server is lost.



* Active Directory is a registered trademark of Microsoft Corporation.

At the Substation Level

SMP Gateway is designed to ensure uninterrupted access to substation data.

- Substation grade – meets protective relay standards
- Comprehensive redundancy support

SMP Gateway provides secure access to substation IEDs and acts as a NERC CIP electronic perimeter for all managed devices:

- Built-in firewall
- Secure communications with TLS (SSL)
- Modem connection management
- Remote IED access management
- Enterprise-level or local authentication
- Account management
 - Strong passwords
 - Individual user accounts
 - User groups with detailed permissions
- Access management
 - Detailed logs
 - Account lock out upon multiple failed access attempts
 - SCADA control of remote IED access and modem connections
- SCADA monitoring
 - Account lock out
 - Remote access activity
 - Modem access

At the Enterprise Level

Yukon IED Manager Suite provides an enterprise-level single-point of access to substation devices and data.

Security Management

- Authentication through corporate Active Directory or application-specific user database
- Centralized user right management
- User groups with detailed permissions
- Centralized monitoring and reporting

Secure Remote Access to IEDs

- User activity audit trail
- Access control by user, by group, by IED
- Automatic login – SMP Gateway and IED passwords hidden from users
- Command filtering

Automated Event Retrieval

- Automatic retrieval of IED event files
- Instant, automatic email notification of protective relay trips and power disturbances.
- Efficient team management via geographic and event type alarm dispatch.
- Web-based event viewer – View and analyze events without connecting to substation devices

Configuration Change Management

- Manage SMP Gateways and IED configuration files and settings
- Automatic detection of configuration changes
- Configuration change history reports
- Restore device configuration from database

The NERC CIP standards are a first step in addressing concerns about the security of the cyber infrastructure. However, security solutions designed for the IT world may not be sufficient to ensure the high availability that is expected from process control systems.

Cooper Power Systems' Yukon IED Manager Suite provides utilities with a comprehensive set of enterprise-level applications to manage their inventory of IEDs, track configuration change history, provide secure remote access and event management. Used in combination with the Cybectec SMP Gateway, secure uninterrupted local/remote access to substation IEDs for SCADA data – while meeting NERC CIP requirements.

For more information on the NERC CIP standards, see www.nerc.com.

For more information on how our products help utilities reliably and securely integrate their IEDs while meeting NERC CIP requirements, request our white paper: "Meeting NERC requirements with Cybectec Solutions" from sales@cybectec.com