



SUBNET SubSTATION Explorer

2018

Unified Substation Visualization and Control

SubSTATION Explorer 2018 is SUBNET's new and revolutionary substation HMI solution for unifying the visualization and control of all your critical substation information. In typical IED-based substations, critical information is scattered among dozens of different IED faceplates with obscure menu-driven displays.

With SubSTATION Explorer 2, utilities implement a standardized solution that enables the safe, secure and reliable local operation of any and all of your IED-based substations.



CRITICAL INFRASTRUCTURE
Making Power Grids More Intelligent®

SubSTATION Explorer 2018 is the next generation substation HMI designed to simplify the way electrical utility substations are commissioned, maintained and operated today.

SubSTATION Explorer 2018 software enables you to safely, securely and reliably view and control all of your critical substation data using one line diagrams, alarm annunciator displays, device faceplate mimics and completely customizable views for getting all your critical substation information at your fingertips in real time.

Quick and Simple So Projects Stay On Time and On Budget

- SubSTATION Explorer is configurable – not programmable. That means full-featured HMI displays in a matter of hours, not weeks. The intuitive design minimizes additional costs associated with training, development and code maintenance

Built in Digital Alarm Annunciator Outperforms Traditional Hardwired Alarm Solutions

- Manage substation alarms with a low-cost, built-in digital alarm annunciator
- Integrated alarming logic and visualization provides a low cost, high performance digital alarm annunciator

Built-In Security Leverages Existing Corporate Policies

- Advanced secure authentication and authorization technologies ensure proper substation operation with complete audit trail
- Multiple security levels ensure substation data remains safe and secure: Full Control, Modify, View & Execute, and View
- Security levels can be assigned to individuals or groups
- File-based security controls so security follows the configuration regardless of the PC
- Leverage existing corporate network IT infrastructure policies to control access
- Leverage Single Sign On and Multi-factor Authentication to ensure proper access
- Continuous monitoring and recording of who has worked on the configuration (and when) in a permanent audit log
- Comparison feature provides a detailed, itemized listing of all configuration modification differences between two files

Stencils and Tools for Rapid Screen Developme

- Stencils allow for rapid, repeatable, and reliable configuration development
- Drag and drop points from SubSTATION Server for automatic point mapping
- Quick-drop settings associated with stencils provide hassle free auto-mapping of real-time variables to objects to reduce errors and reduce configuration time
- Stencils can be created or customized by users to create a customer-specific standard look-and-feel within their HMI deployments
- Stencil libraries can be easily distributed throughout your organization for a consistent HMI look-and-feel across your corporation without duplication of effort
- Import existing objects from Microsoft Visio for reuse within [SubSTATION Explorer](#) to further reduce configuration time and costs
- Aliasing provides the ability for a single graphical display to represent multiple data sets, allowing for significant reduction in both configuration and maintenance of your HMI
- Cut, Copy, Paste, Undo and Redont

Improved Multi-Monitor Support

- Completely redesigned docking window interface allows windows to be docked on any monitor
- Keep critical windows, such as alarm notifications, visible at all times
- Independent docking layouts for development and run time use
- Pan and zoom functionality

Powerful Customization Tools

- User-definable actions allow customization of [SubSTATION Explorer](#) responses to varying user interaction
- Real-time variables and equations can be applied to nearly every attribute of an object to create more dynamic and intuitive displays
- Wide selection of colors, fonts, line styles, fill patterns, shadow effects and many other attributes allow for specific customization to user preferences
- Integrated, secure scripting engine provides a tool set for advance HMI customization



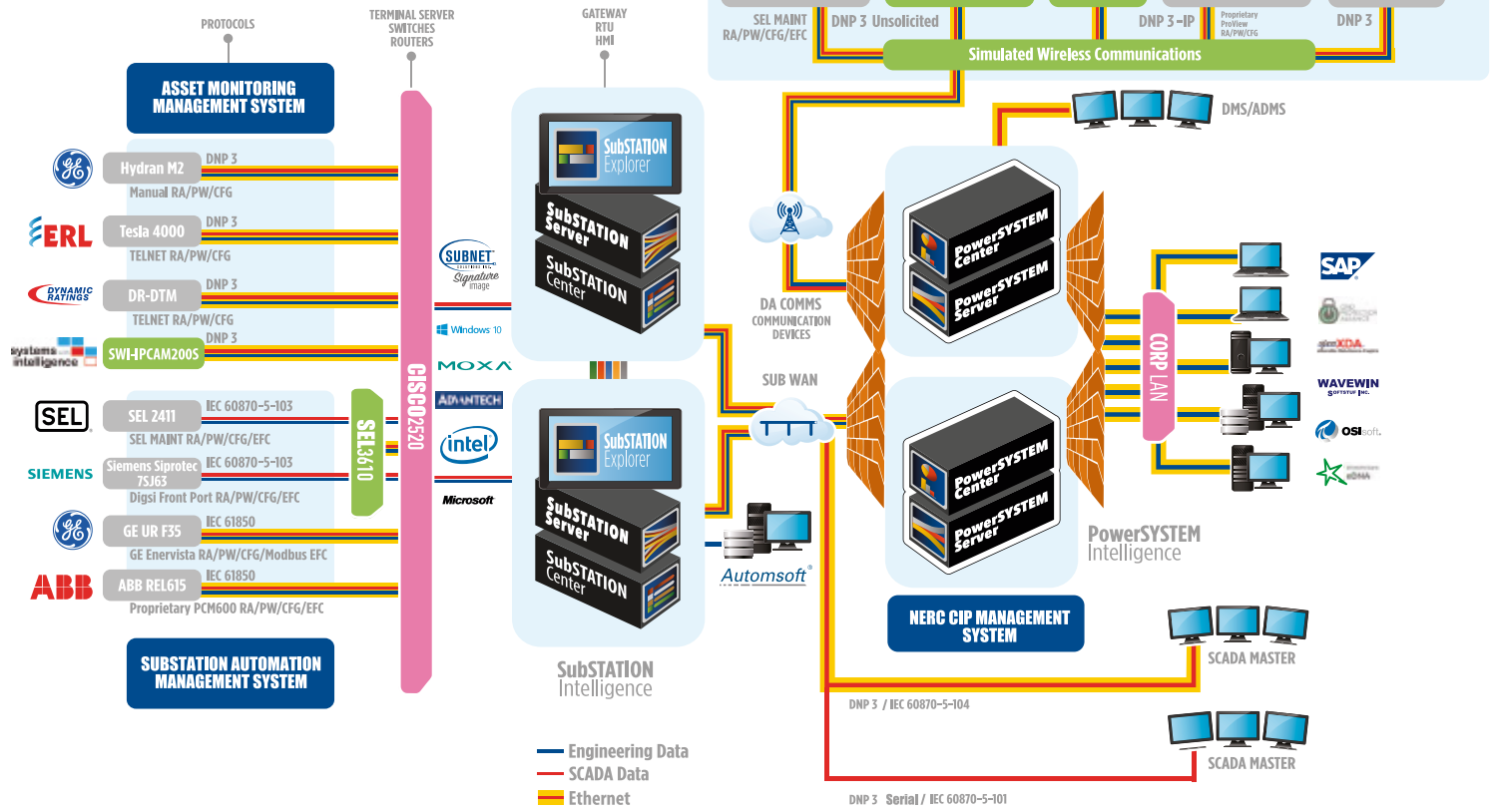
A Natural Upgrade Path for Version 1 And 2 Customers

- Fully backwards compatible with SubSTATION Explorer 2.x
- Fully feature compatible with SubSTATION Explorer 1.x
- SubSTATION Explorer v1.x configuration import
- SubSTATION Explorer 2018, 2015, SubSTATION Explorer 2, and SubSTATION Explorer 1 can all be installed and running on the same PC at the same time to provide a seamless upgrade path.
- SubSTATION Explorer 2018 and SubSTATION Explorer 2 can both communicate with the same version of SubSTATION Server 2 at the same time.

Improved Features from Substation Explorer 1.X

- Web Access to HMI
 - Email Notifications
 - Real Time Trending
 - Customizable Control Confirm Dialogs
- Alarm Notifications Area
- Current alarm state
 - Sorting, grouping
 - Alarm acknowledgement o always visible
- Alarm history
 - Improved multi-monitor support with flexible docking windows layout

SUBNET Unified Grid Architecture





SUBNET SubSTATION Explorer

The SUBNET SubSTATION Explorer 2018 is part of SUBNET's Unified Grid Intelligence philosophy. This holistic approach provides interoperable solutions between many different field devices, to many different business systems, over many different types of communication networks. The goal of these solutions is to provide true multi-vendor, multi-function interoperability. SUBNET's solutions integrate with utilities' existing IEDs, IT networks, and engineering productivity tools to deliver data efficiently and securely to analysts, maintenance personnel, engineering departments, and operations.

About SUBNET Solutions, Inc.

SUBNET Solutions Inc. is a global software solutions provider for electric utilities. SUBNET focuses on Making Substations More Intelligent®. Founded in 1992, SUBNET is an industry leading provider of intelligent solutions that securely connect real-time electric utility field information with utility business systems to enable smart grid solutions. Over 200 utilities worldwide rely on SUBNET software to safely manage and monitor thousands of substations.



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