

SurvalentONE

SmartVU Empowers Smarter Control Room Operations

An Intuitive, Real-Time Interface for
Seamless Network Management

Survalent.

Utiliverse™ ecosystem

An Advanced Graphical User Interface for Your Control Room

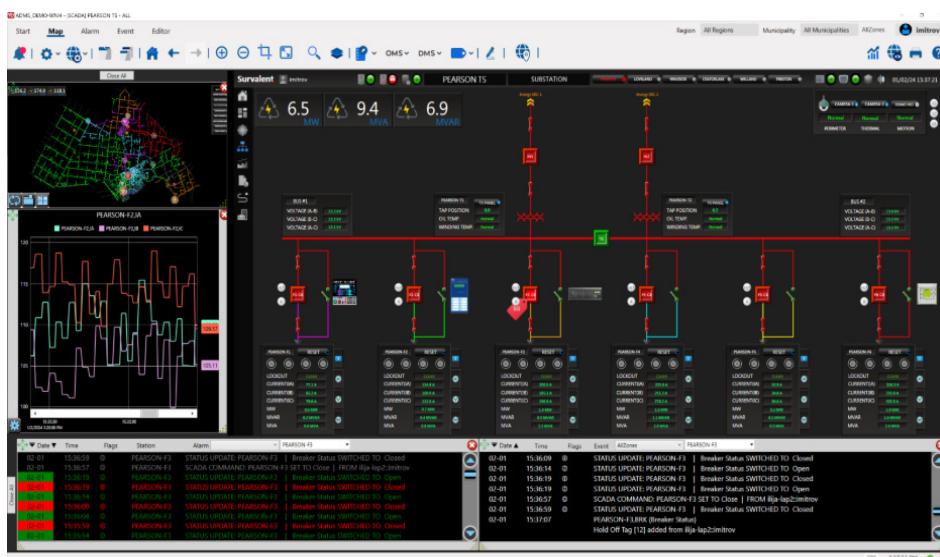
SCADA, OMS, and DMS applications generate a wealth of real-time operational data that must be clearly organized and presented for effective use in the control room.

SmartVU does that. And more.

SmartVU is a streamlined, Windows-based graphical interface, designed to simplify control room operations. With its powerful tools, advanced customization options, and intuitive navigation, SmartVU empowers operators to manage vital network data, respond quickly to events, and maintain precise control over field devices.

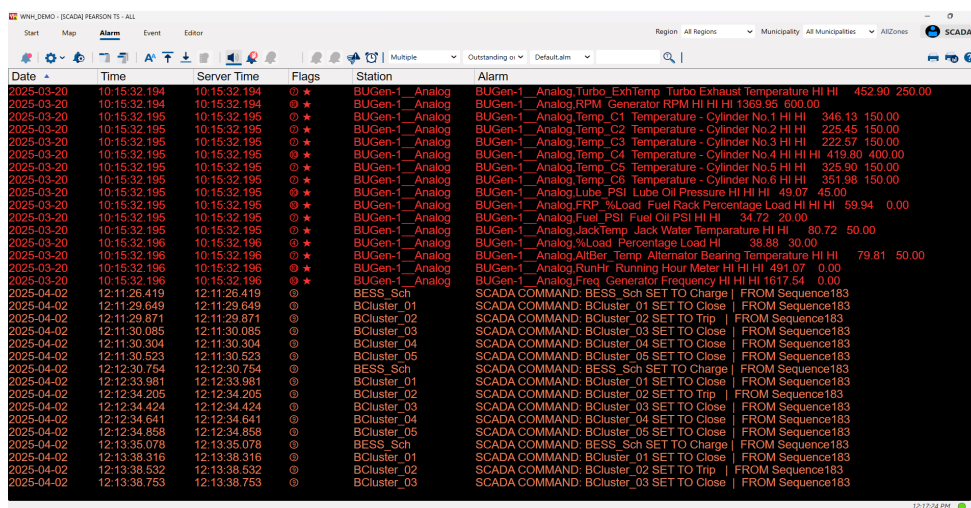
Streamlined Navigation and Docking with SmartVU's Tabbed Interface

SmartVU's comprehensive tabbed interface centralizes essential tools and information, streamlining navigation and enabling operators to respond quickly to network needs. The map tab provides a dynamic, real-time view of the grid, empowering operators to zoom in on critical areas, access flexible views, and retrieve detailed data while monitoring or controlling telemetered field devices directly from the map.

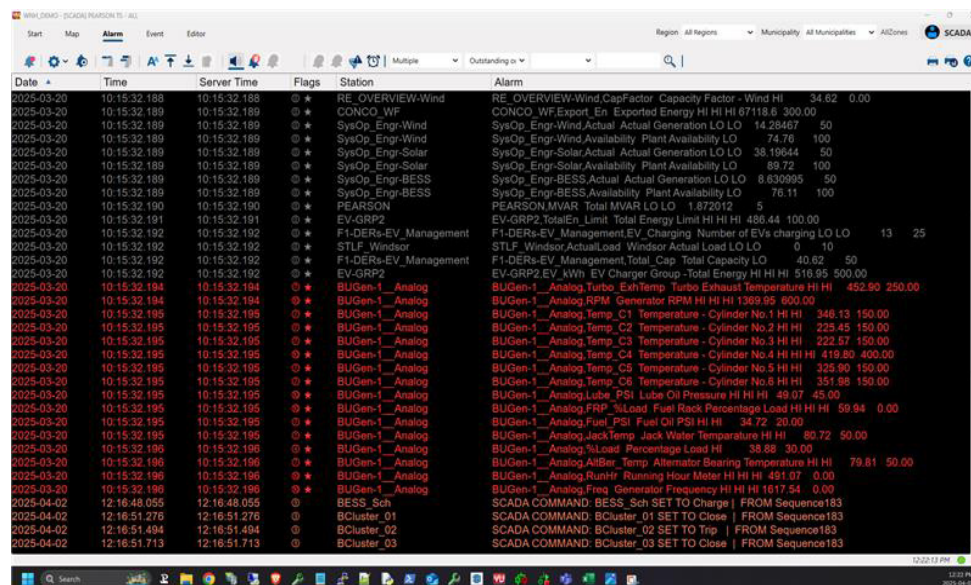


Each primary tab, such as map, alarm, or event, supports multiple subtabs, allowing operators to switch between different views or settings within the same tab for faster navigation. This eliminates the need to create new windows for every task, keeping operations efficient and clutter-free. Additionally, SmartVU's docking capabilities enable users to combine multiple views—for example, embedding an alarm display within the map tab—ensuring that essential information is readily available at all times. Together, these features deliver a seamless, highly flexible interface that enhances situational awareness and operational productivity in the control room.

The alarm tab ensures operators stay ahead of critical alerts with prioritized views that enhance situational awareness and improve network reliability. For tracking operational events, the event tab offers a clear and detailed history of network activities, promoting accountability and enabling well-informed decision-making. Meanwhile, the editor tab facilitates collaborative map updates through intuitive drag-and-drop functionality and multi-user editing capabilities. This allows users with appropriate permissions to create, modify, or delete objects while maintaining a log of changes and user activities. These tools ensure efficient collaboration on map and graphic updates while keeping operational workflows secure and consistent.



Date	Time	Server Time	Flags	Station	Alarm
2025-03-20	10:15:32.194	10:15:32.194	⊙ *	BUGen-1_Analog	BUGen-1_Analog_Turbo_ExtTemp_Turbo Exhaust Temperature HI HI 452.90 250.00
2025-03-20	10:15:32.194	10:15:32.194	⊙ *	BUGen-1_Analog	BUGen-1_Analog_RPM_Generator RPM HI HI 1369.95 600.00
2025-03-20	10:15:32.195	10:15:32.195	⊙ *	BUGen-1_Analog	BUGen-1_Analog_Temp_C1_Temperature - Cylinder No.1 HI HI 346.13 150.00
2025-03-20	10:15:32.195	10:15:32.195	⊙ *	BUGen-1_Analog	BUGen-1_Analog_Temp_C2_Temperature - Cylinder No.2 HI HI 225.45 150.00
2025-03-20	10:15:32.195	10:15:32.195	⊙ *	BUGen-1_Analog	BUGen-1_Analog_Temp_C3_Temperature - Cylinder No.3 HI HI 222.57 150.00
2025-03-20	10:15:32.195	10:15:32.195	⊙ *	BUGen-1_Analog	BUGen-1_Analog_Temp_C4_Temperature - Cylinder No.4 HI HI 419.80 400.00
2025-03-20	10:15:32.195	10:15:32.195	⊙ *	BUGen-1_Analog	BUGen-1_Analog_Temp_C5_Temperature - Cylinder No.5 HI HI 325.90 150.00
2025-03-20	10:15:32.195	10:15:32.195	⊙ *	BUGen-1_Analog	BUGen-1_Analog_Temp_C6_Temperature - Cylinder No.6 HI HI 351.98 150.00
2025-03-20	10:15:32.195	10:15:32.195	⊙ *	BUGen-1_Analog	BUGen-1_Analog_Lube_PSI_Lube Oil Pressure HI HI 49.07 45.00
2025-03-20	10:15:32.195	10:15:32.195	⊙ *	BUGen-1_Analog	BUGen-1_Analog_FRP_Load_Fuel Rack Percentage Load HI HI 59.94 0.00
2025-03-20	10:15:32.195	10:15:32.195	⊙ *	BUGen-1_Analog	BUGen-1_Analog_Fuel_PSI_Fuel Oil PSI HI HI 34.72 20.00
2025-03-20	10:15:32.195	10:15:32.195	⊙ *	BUGen-1_Analog	BUGen-1_Analog_JackTemp_Jack Water Temperature HI HI 80.72 50.00
2025-03-20	10:15:32.196	10:15:32.196	⊙ *	BUGen-1_Analog	BUGen-1_Analog_Load_Percentage Load HI 38.88 30.00
2025-03-20	10:15:32.196	10:15:32.196	⊙ *	BUGen-1_Analog	BUGen-1_Analog_AltBer_Temp Alternator Bearing Temperature HI HI 79.81 50.00
2025-03-20	10:15:32.196	10:15:32.196	⊙ *	BUGen-1_Analog	BUGen-1_Analog_RunHr_Running Hour Meter HI HI 491.07 0.00
2025-03-20	10:15:32.196	10:15:32.196	⊙ *	BUGen-1_Analog	BUGen-1_Analog_Freq_Generator Frequency HI HI 1617.54 0.00
2025-04-02	12:11:26.419	12:11:26.419	⊙	BESS_Sch	SCADA COMMAND: BESS_Sch SET TO Charge FROM Sequence183
2025-04-02	12:11:29.649	12:11:29.649	⊙	BCluster_01	SCADA COMMAND: BCluster_01 SET TO Close FROM Sequence183
2025-04-02	12:11:29.871	12:11:29.871	⊙	BCluster_02	SCADA COMMAND: BCluster_02 SET TO Trip FROM Sequence183
2025-04-02	12:11:30.085	12:11:30.085	⊙	BCluster_03	SCADA COMMAND: BCluster_03 SET TO Close FROM Sequence183
2025-04-02	12:11:30.304	12:11:30.304	⊙	BCluster_04	SCADA COMMAND: BCluster_04 SET TO Close FROM Sequence183
2025-04-02	12:11:30.523	12:11:30.523	⊙	BCluster_05	SCADA COMMAND: BCluster_05 SET TO Close FROM Sequence183
2025-04-02	12:12:30.754	12:12:30.754	⊙	BESS_Sch	SCADA COMMAND: BESS_Sch SET TO Charge FROM Sequence183
2025-04-02	12:12:33.981	12:12:33.981	⊙	BCluster_01	SCADA COMMAND: BCluster_01 SET TO Close FROM Sequence183
2025-04-02	12:12:34.205	12:12:34.205	⊙	BCluster_02	SCADA COMMAND: BCluster_02 SET TO Trip FROM Sequence183
2025-04-02	12:12:34.424	12:12:34.424	⊙	BCluster_03	SCADA COMMAND: BCluster_03 SET TO Close FROM Sequence183
2025-04-02	12:12:34.641	12:12:34.641	⊙	BCluster_04	SCADA COMMAND: BCluster_04 SET TO Close FROM Sequence183
2025-04-02	12:12:34.858	12:12:34.858	⊙	BCluster_05	SCADA COMMAND: BCluster_05 SET TO Close FROM Sequence183
2025-04-02	12:13:35.078	12:13:35.078	⊙	BESS_Sch	SCADA COMMAND: BESS_Sch SET TO Charge FROM Sequence183
2025-04-02	12:13:38.316	12:13:38.316	⊙	BCluster_01	SCADA COMMAND: BCluster_01 SET TO Close FROM Sequence183
2025-04-02	12:13:38.532	12:13:38.532	⊙	BCluster_02	SCADA COMMAND: BCluster_02 SET TO Trip FROM Sequence183
2025-04-02	12:13:38.753	12:13:38.753	⊙	BCluster_03	SCADA COMMAND: BCluster_03 SET TO Close FROM Sequence183



Date	Time	Server Time	Flags	Station	Alarm
2025-03-20	10:15:32.188	10:15:32.188	⊙ *	RE_OVERVIEW-Wind	RE_OVERVIEW-Wind_CapFactor_Capacity Factor - Wind HI 34.62 0.00
2025-03-20	10:15:32.189	10:15:32.189	⊙ *	CONCO_WF	CONCO_WF_Export_En_Exported Energy HI HI 67118.6 300.00
2025-03-20	10:15:32.189	10:15:32.189	⊙ *	SysOp_Engr-Wind	SysOp_Engr-Wind_Actual Actual Generation LO LO 14.28467 50
2025-03-20	10:15:32.189	10:15:32.189	⊙ *	SysOp_Engr-Wind	SysOp_Engr-Wind_Availability Plant Availability LO 74.76 100
2025-03-20	10:15:32.189	10:15:32.189	⊙ *	SysOp_Engr-Solar	SysOp_Engr-Solar_Actual Actual Generation LO LO 38.19644 50
2025-03-20	10:15:32.189	10:15:32.189	⊙ *	SysOp_Engr-Solar	SysOp_Engr-Solar_Availability Plant Availability LO 89.72 100
2025-03-20	10:15:32.189	10:15:32.189	⊙ *	SysOp_Engr-BESS	SysOp_Engr-BESS_Actual Actual Generation LO LO 8.630995 50
2025-03-20	10:15:32.189	10:15:32.189	⊙ *	SysOp_Engr-BESS	SysOp_Engr-BESS_Availability Plant Availability LO 76.11 100
2025-03-20	10:15:32.190	10:15:32.190	⊙ *	PEARSON	PEARSON_MVAR_Total MVAR LO LO 1.872012 5
2025-03-20	10:15:32.191	10:15:32.191	⊙ *	EV-GRP2	EV-GRP2_TotalEn_Limit Total Energy Limit HI HI 486.44 100.00
2025-03-20	10:15:32.192	10:15:32.192	⊙ *	F1-DERs-EV_Management	F1-DERs-EV_Management_EV_Charging Number of EVs charging LO LO 13 25
2025-03-20	10:15:32.192	10:15:32.192	⊙ *	STLF_WindSor	STLF_WindSor_ActualLoad Windsor Actual Load LO LO 0 10
2025-03-20	10:15:32.192	10:15:32.192	⊙ *	F1-DERs-EV_Management	F1-DERs-EV_Management_Total_Cap Total Capacity LO 40.62 50
2025-03-20	10:15:32.192	10:15:32.192	⊙ *	EV-GRP2	EV-GRP2_EV_Winr_EV Charger Group-Total Energy HI HI 510.95 500.00
2025-03-20	10:15:32.194	10:15:32.194	⊙ *	BUGen-1_Analog	BUGen-1_Analog_Turbo_ExtTemp_Turbo Exhaust Temperature HI HI 452.90 250.00
2025-03-20	10:15:32.195	10:15:32.195	⊙ *	BUGen-1_Analog	BUGen-1_Analog_RPM_Generator RPM HI HI 1369.95 600.00
2025-03-20	10:15:32.195	10:15:32.195	⊙ *	BUGen-1_Analog	BUGen-1_Analog_Temp_C1_Temperature - Cylinder No.1 HI HI 346.13 150.00
2025-03-20	10:15:32.195	10:15:32.195	⊙ *	BUGen-1_Analog	BUGen-1_Analog_Temp_C2_Temperature - Cylinder No.2 HI HI 225.45 150.00
2025-03-20	10:15:32.195	10:15:32.195	⊙ *	BUGen-1_Analog	BUGen-1_Analog_Temp_C3_Temperature - Cylinder No.3 HI HI 222.57 150.00
2025-03-20	10:15:32.195	10:15:32.195	⊙ *	BUGen-1_Analog	BUGen-1_Analog_Temp_C4_Temperature - Cylinder No.4 HI HI 419.80 400.00
2025-03-20	10:15:32.195	10:15:32.195	⊙ *	BUGen-1_Analog	BUGen-1_Analog_Temp_C5_Temperature - Cylinder No.5 HI HI 325.90 150.00
2025-03-20	10:15:32.195	10:15:32.195	⊙ *	BUGen-1_Analog	BUGen-1_Analog_Temp_C6_Temperature - Cylinder No.6 HI HI 351.98 150.00
2025-03-20	10:15:32.195	10:15:32.195	⊙ *	BUGen-1_Analog	BUGen-1_Analog_Lube_PSI_Lube Oil Pressure HI HI 49.07 45.00
2025-03-20	10:15:32.195	10:15:32.195	⊙ *	BUGen-1_Analog	BUGen-1_Analog_FRP_Load_Fuel Rack Percentage Load HI HI 59.94 0.00
2025-03-20	10:15:32.195	10:15:32.195	⊙ *	BUGen-1_Analog	BUGen-1_Analog_Fuel_PSI_Fuel Oil PSI HI HI 34.72 20.00
2025-03-20	10:15:32.195	10:15:32.195	⊙ *	BUGen-1_Analog	BUGen-1_Analog_JackTemp_Jack Water Temperature HI HI 80.72 50.00
2025-03-20	10:15:32.196	10:15:32.196	⊙ *	BUGen-1_Analog	BUGen-1_Analog_Load_Percentage Load HI 38.88 30.00
2025-03-20	10:15:32.196	10:15:32.196	⊙ *	BUGen-1_Analog	BUGen-1_Analog_AltBer_Temp Alternator Bearing Temperature HI HI 79.81 50.00
2025-03-20	10:15:32.196	10:15:32.196	⊙ *	BUGen-1_Analog	BUGen-1_Analog_RunHr_Running Hour Meter HI HI 491.07 0.00
2025-03-20	10:15:32.196	10:15:32.196	⊙ *	BUGen-1_Analog	BUGen-1_Analog_Freq_Generator Frequency HI HI 1617.54 0.00
2025-04-02	12:16:48.055	12:16:48.055	⊙	BESS_Sch	SCADA COMMAND: BESS_Sch SET TO Charge FROM Sequence183
2025-04-02	12:16:51.276	12:16:51.276	⊙	BCluster_01	SCADA COMMAND: BCluster_01 SET TO Close FROM Sequence183
2025-04-02	12:16:51.494	12:16:51.494	⊙	BCluster_02	SCADA COMMAND: BCluster_02 SET TO Trip FROM Sequence183
2025-04-02	12:16:51.713	12:16:51.713	⊙	BCluster_03	SCADA COMMAND: BCluster_03 SET TO Close FROM Sequence183

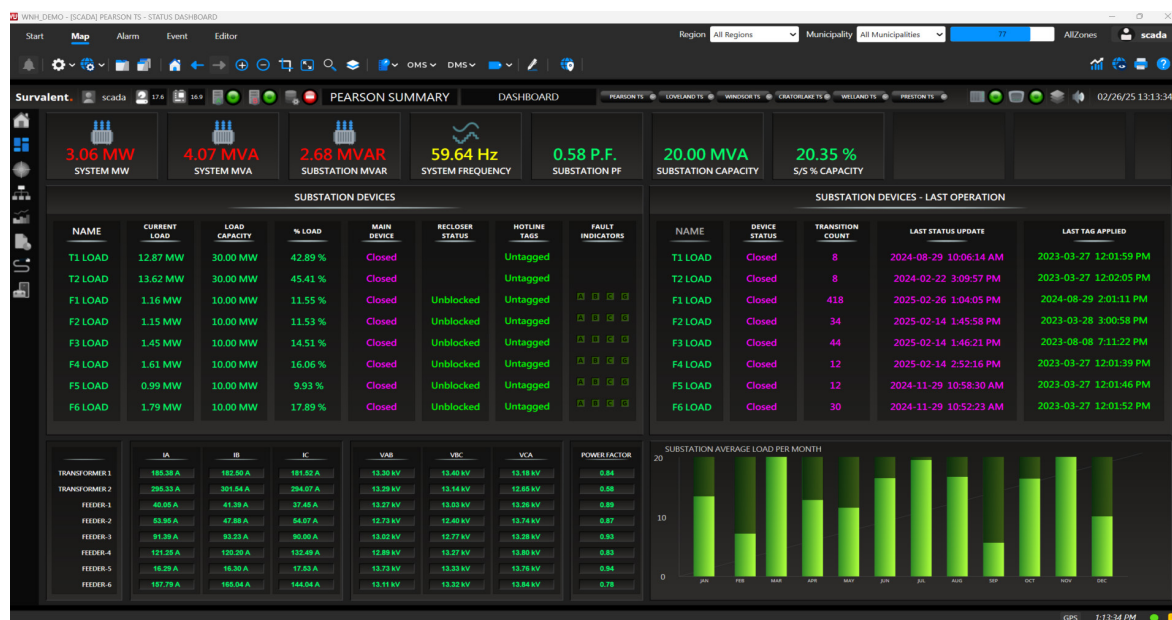
Configurable User Interface for Seamless Operations

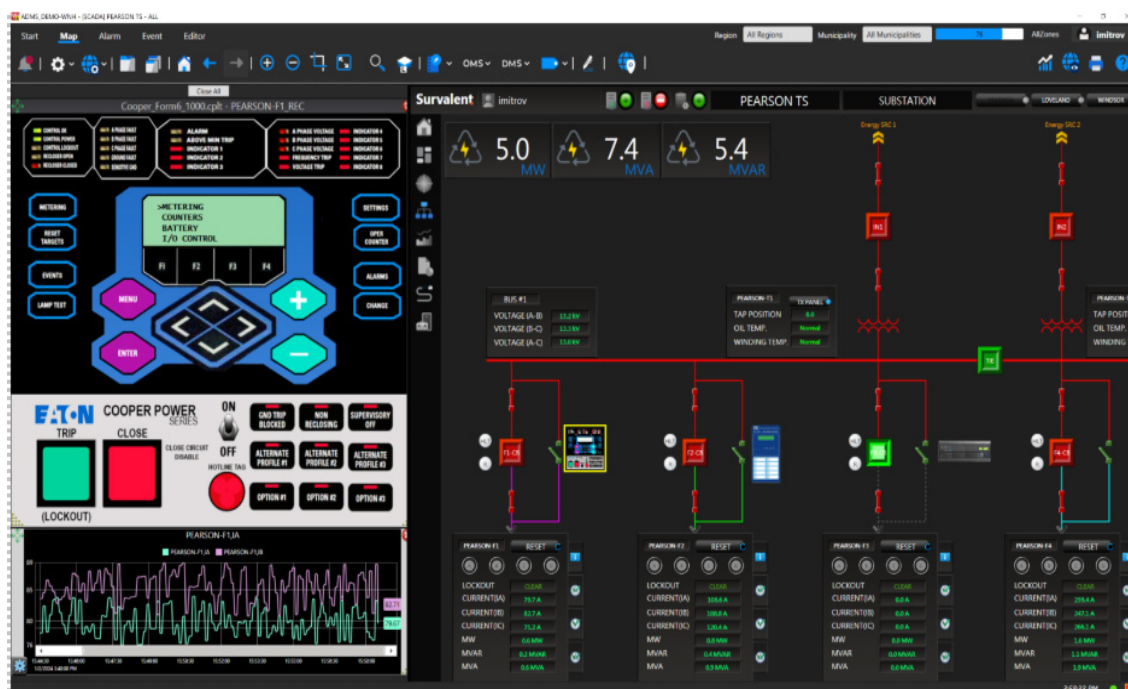
Building on its tabbed interface, SmartVU's design further enhances operator efficiency with features that support personalized workspace configuration and intuitive navigation. Operators can save their workspace settings - including open tabs, window arrangements, and display preferences - ensuring a consistent and familiar setup each time they log in. This capability eliminates the need to reconfigure the workspace for every session, streamlining workflows and reducing setup time. Additionally, users can opt to automatically load their saved configurations upon sign-in, enabling a smooth and efficient start to operations.

SmartVU also includes drag-and-drop functionality, allowing users to effortlessly rearrange interface elements and filter views dynamically; for example, dragging a point into an alarm window instantly filters the view to focus on that specific point. Light and dark modes further improve visibility and comfort across various lighting conditions. Operators can create and save magnified views, declutter maps for better focus, and configure displays for specific user zones, ensuring a clean and efficient workspace. Intuitive keyboard shortcuts accelerate common actions, boosting productivity and enabling faster responses during critical operations.

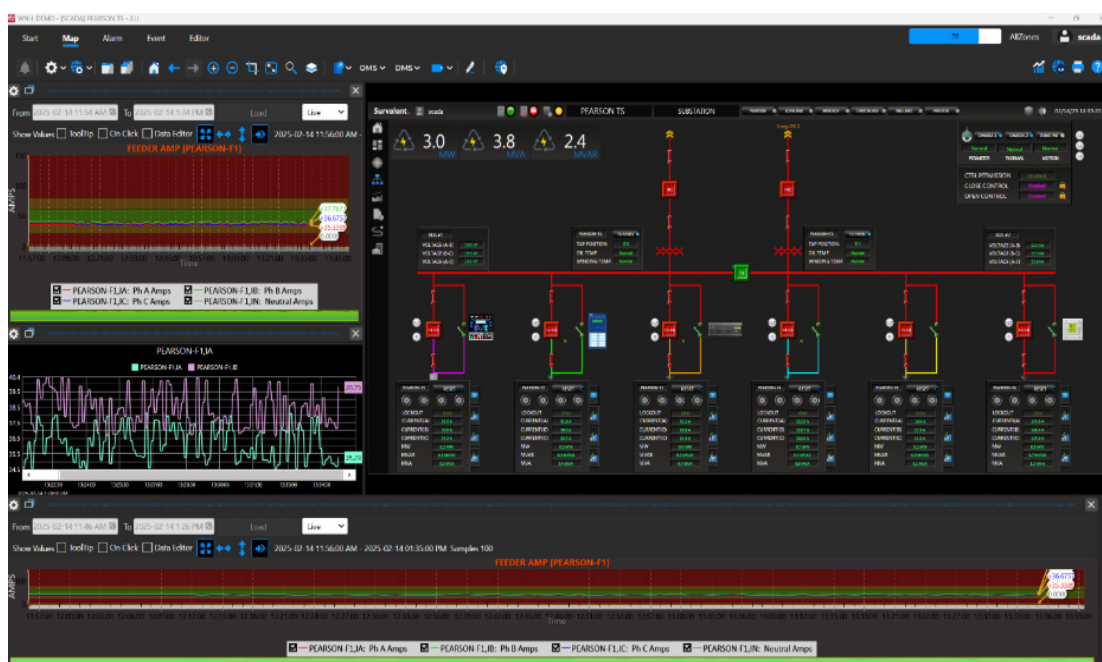
Data Interaction Tools & Control Panels for Informed Decision-Making

SmartVU provides operators with powerful tools and control panels designed to enhance data analysis, visualization, and decision-making capabilities. Widgets and templates, such as operational dashboards and alarm management tools, streamline routine tasks while presenting critical information at a glance. The integrated control panels replicate the layout and feel of field intelligent electronic devices (IEDs), enabling operators to interact seamlessly with field devices directly from the interface. This ensures precise and efficient control over network operations while maintaining a user-friendly experience.





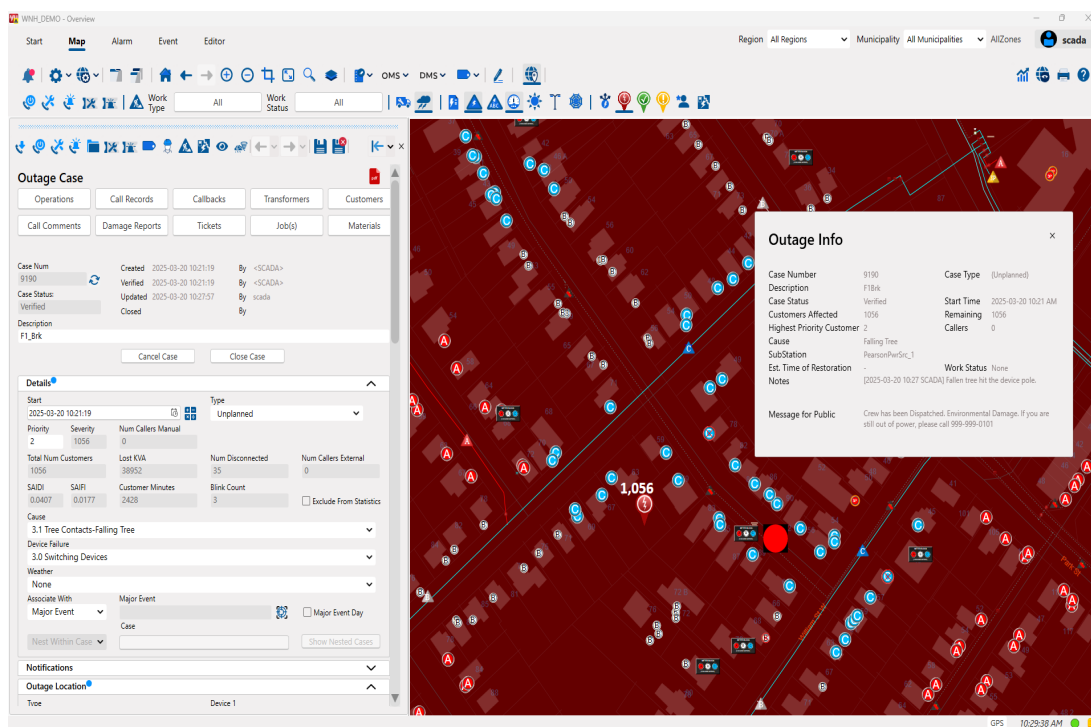
With Trend Graphs, operators can create ad-hoc or historical graphs on the fly using the intuitive right-click menu, making it easy to build graphs while operating. These graphs allow analysis of multiple datasets simultaneously and support the application of advanced filters for deeper insights, including the ability to sum or subtract data points for comprehensive analysis. Tagging and notes functionality allows operators to identify and track devices, meters, and switches quickly, while accessing tag histories or viewing notes directly on the map provides enhanced operational context. Pre-built displays, including System Summary, Abnormal Summary, and Analog History, provide operators with rapid insights for efficient troubleshooting and comprehensive network analysis.



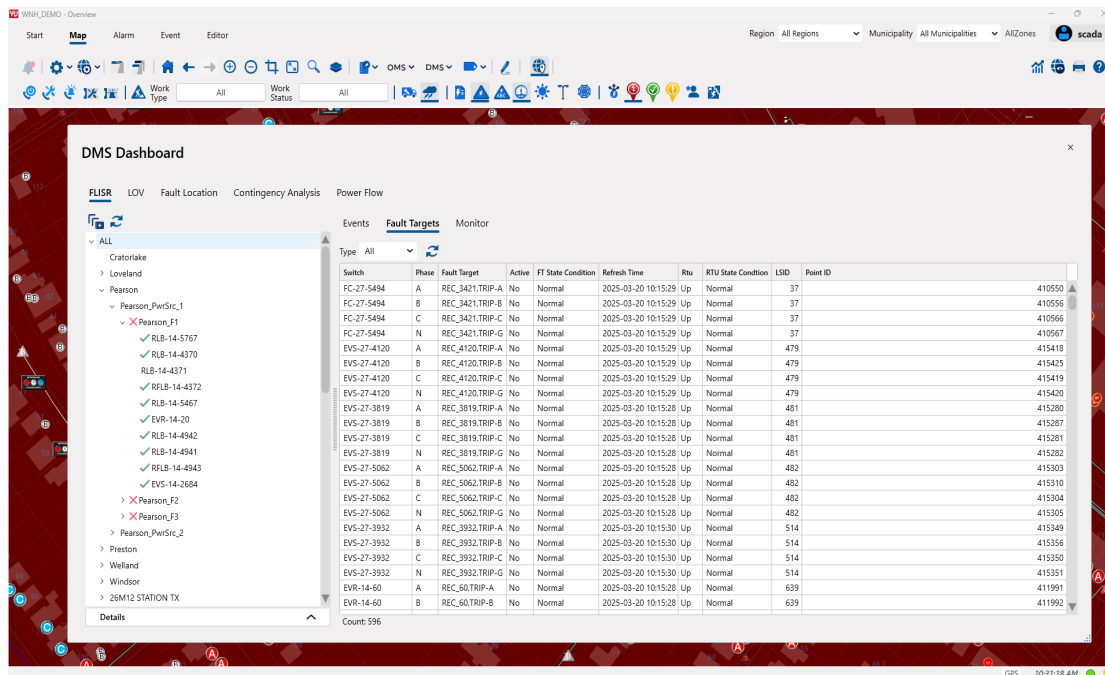
The System Summary display offers a high-level overview of critical network parameters, enabling quick assessments of system health and performance. The Abnormal Summary provides a consolidated view of all abnormal points, feeders, transformers, meters, and temporary devices in the system. Operators can use built-in filters to quickly narrow results and right-click to locate devices on the map, trace feeders, or ping meters. The Analog History display allows users to view historical trends and analyze changes in analog points over time, supporting data-driven decision-making. These displays are designed for clarity and ease of use, ensuring operators can access actionable information with minimal effort.

Unified Control Made Simple

SmartVU serves as the unified interface for SurvalentONE SCADA, OMS, and DMS applications, consolidating all essential functionalities into a single, intuitive platform. Not only does SmartVU provide operators with real-time network management, but it is also the application used by authorized users to make graphical changes and updates, ensuring seamless integration between operational control and system customization.



With OMS, SmartVU aids efficient outage management by visualizing affected areas, supporting restoration efforts, and providing built-in displays like outage dashboards that help operators quickly assess and manage incidents. Its integration with DMS adds advanced grid management tools, such as load balancing and voltage regulation, while offering intuitive dashboards for monitoring and optimizing grid performance. These built-in displays streamline workflows and ensure users can access critical information at a glance, making operations more efficient and effective. This unified platform improves situational awareness, simplifies workflows, and ensures reliable network performance.



Key Benefits

Streamlined Management

Simplified navigation and intuitive tools help operators work efficiently.

Informed Decision-Making

Access to real-time data, detailed visualizations, and actionable insights ensures timely, accurate decisions.

Increased Productivity

Multi-user editing, configurable layouts, and keyboard shortcuts enable faster workflows and better collaboration.

Comprehensive Data Accessibility

Integrated features like tagging, widgets, and pre-built displays ensure operators have the information they need at their fingertips.

Key Features

Comprehensive Tabbed Interface

Organizes essential tools like maps, alarms, events, and editing features within an intuitive tabbed layout, enabling seamless navigation and efficient operations.

Dynamic Map Visualization

Provides real-time grid views, allowing operators to monitor, control, and analyze network elements with flexible zoom levels, detailed device data, and customizable layers.

Streamlined Alarm and Event Management

Offers prioritized alarm displays and detailed event histories, promoting quick responses, situational awareness, and accountability.

- **Integrated Control Panels**

Allows operators to manage and operate field devices directly from the interface for precise and real-time control.

- **Powerful Data Analysis Tools**

Features Trend Graphs for ad-hoc and historical data analysis, advanced filtering, and real-time insights to enhance decision-making.

- **Pre-Built Displays**

Includes System Summary, Abnormal Summary, and Analog History views for effective troubleshooting and network analysis.

- **Configurable Workspace**

Enables operators to save and reload workspace configurations, personalize layouts, and adjust views to suit operational needs.

- **Multi-User Editing and Collaboration**

Supports simultaneous map updates with logs of changes, ensuring efficient teamwork and reduced project timelines.

- **Integrated SCADA, OMS, and DMS Application**

Seamlessly combines SurvalentONE systems for outage management, anomaly detection, and grid optimization, providing a unified operational platform.

- **Enhanced Accessibility and Usability**

Offers light and dark modes for varying environments, drag-and-drop functionality for flexible workflows, and intuitive keyboard shortcuts for quick operations.

- **Advanced Tagging and Notes**

Facilitates adding notes to meters and both tagging and adding notes to devices and switches, with accessible histories for improved operational context and monitoring.

- **Flexible Viewing Options**

Supports multiple windows, docking capabilities, and configurable magnified views, ensuring operators have critical information at their fingertips.

Better Software. Better Decisions.

With Survalent, you can control your critical network operations with confidence. We're the most trusted provider of advanced distribution management systems (ADMS) and substation automation for electric, water/wastewater, oil & gas, renewable energy, and transit utilities across the globe.

Over 800 utilities in 40 countries rely on the SurvalentONE platform to effectively operate, monitor, analyze, restore, and optimize operations. By supporting critical utility operations with a fully integrated solution, our customers have significantly improved operational efficiencies, customer satisfaction and network reliability. Our comprehensive substation automation solution, Survalent StationCentral, delivers advanced control and monitoring for enhanced network performance and protection.

Our unwavering commitment to excellence and to our customers has been the key to our success for over 60 years.

100% Project Delivery. We Guarantee It. Ask Us How.

Survalent.

info@survalent.com • survalent.com • 905-826-5000

Utiliverse™ ecosystem