



Centralized cybersecurity management for modern networks.

Tracks maintenance-relevant information from SA system components.



Automated, system-wide disturbance recorder management

See the unseen from a new perspective: SDM600

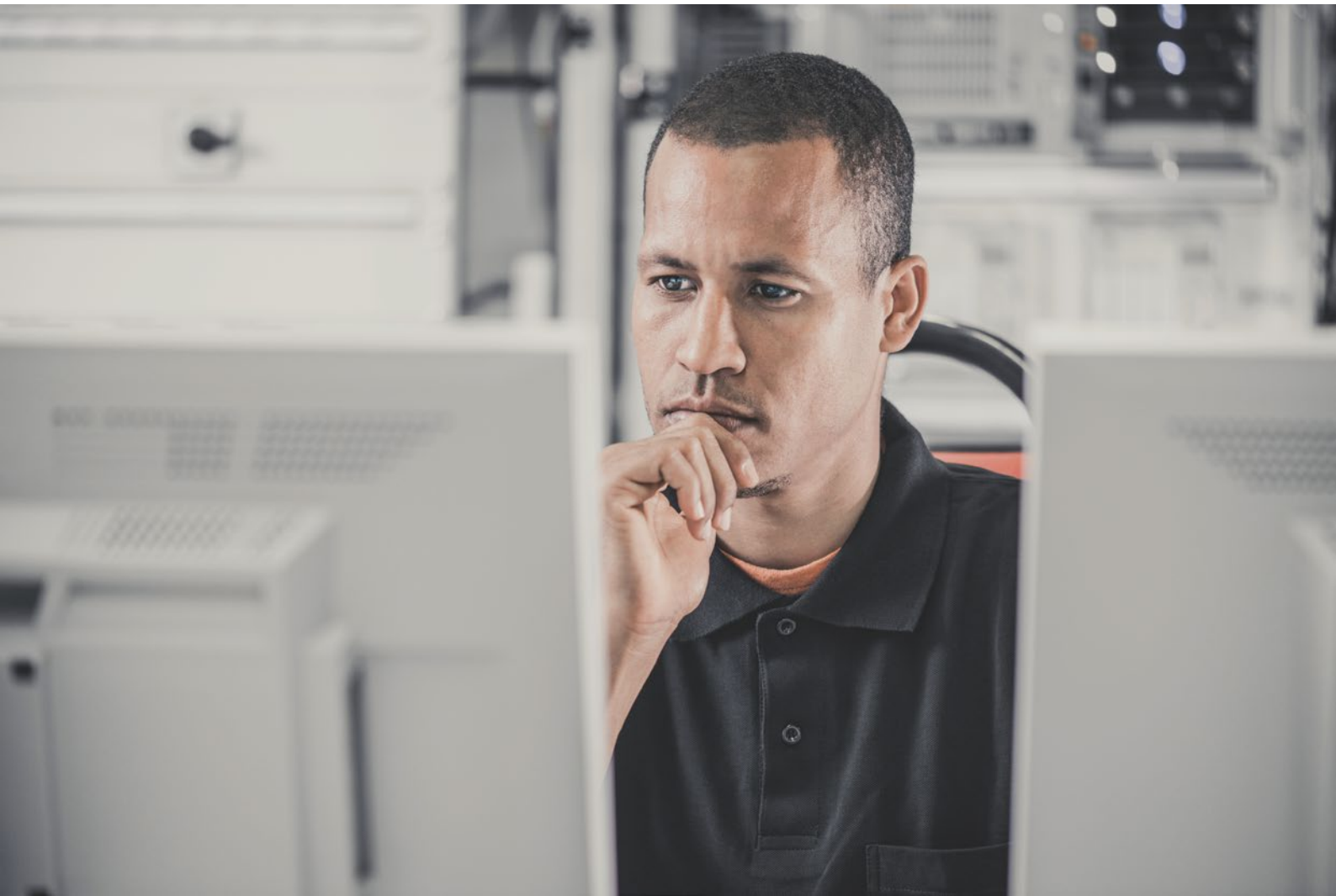
Service and cybersecurity at your fingertips.

SDM600

Utilities are properly focused on their primary business: the delivery of electricity, gas and other services, over the operational network. But to ensure continuous supply, the utility needs a second network, one devoted to monitoring and managing the first one.

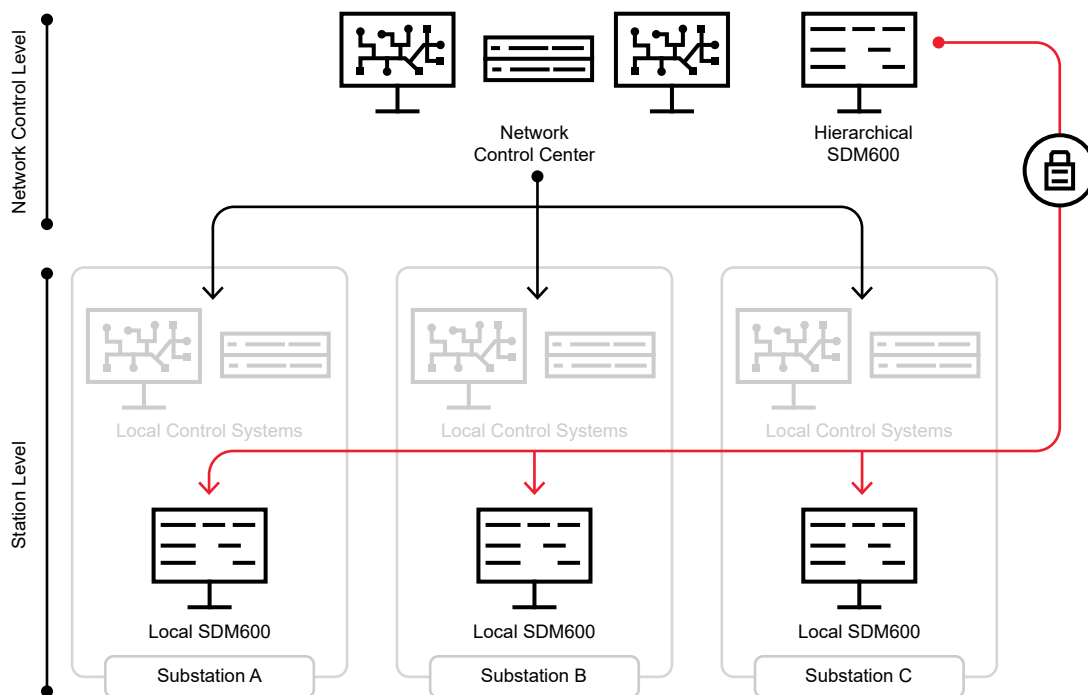
That second network uses fiber optics, Ethernet switches, and protection relays, but as it grows in complexity it needs a new kind of management, one capable of seeing the unseen, protecting the unguarded, and mastering the unwieldy.

SDM600 is a comprehensive software solution for automatic management of service and cybersecurity relevant data across substations.



SDM600 is based on flexible and remotely accessible system architecture. It provides you with efficient data and user management of all stations from one central point.

SDM600 is independent of any existing control system and can be installed in a hierarchical mode, if required.



The benefits of Hitachi Energy’s solution.

- SDM600 improves your efficiency in disturbance recorder and cybersecurity related tasks
- Vendor neutral implementation allows integration of many different sub devices
- Optimized installation and configuration process
- Communication based on vendor-independent standard protocols such as IEC 61850, FTP, SNMP, Syslog, Radius or IEC 62351-8.

Key features.

Data management.

Automatically collect, store and provide evaluation for disturbance recorder files.

Maintenance and service.

Documentation of maintenance relevant data like firmware and configuration revisions of the supervised devices.

Cybersecurity management.

Provide centralized user account management and security logging for modern networks.

Configuration and firmware file management for Hitachi Energy RTU500 product family.



Disturbance recorder data management.



Central user account management.



Tracking relay software and configuration versions.



Disturbance recorder data evaluation.



Central cybersecurity logging.



Manage RTU500 firmware and configuration files.



Automated, system-wide disturbance recorder management.
Centralized cybersecurity management for modern networks.
Tracking your maintenance relevant information from supervised devices.

SDM600 sees the unseen: with support for IEC 61850 protection relays and the capability to talk to legacy equipment through the File Transfer Protocol, it interrogates relays around the network.

From those relays it gathers disturbance recorder files and analyses the incoming data to produce short reports. This way utilities can see patterns of activity or identify event correlations which previously have been hidden.

The centralized storage of disturbance files enables them to be extracted with ease. It enables the data to be shared with analysis software or aggregated with data from the rest of the grid to create a complete view of operations.

SDM600 watches the watchers, by creating a single point of management for user accounts and access control, and by logging security events that affects the network.

Cybersecurity is a vital component in modern networks, but fragmented access policies across network devices risk exposing critical vulnerabilities. The dispersed nature of automation networks has complicated tasks such as withdrawing staff credentials, or removing default passwords.

SDM600 brings back the simplicity by providing a single place in which accounts can be managed and access controlled: a gatekeeper to the automation network.

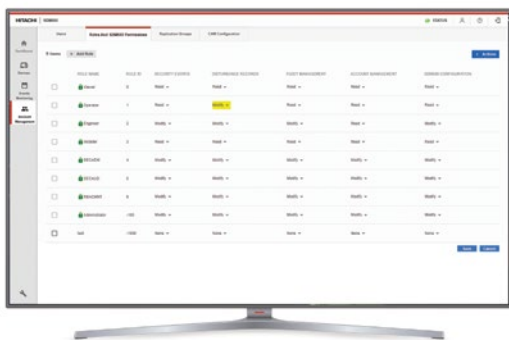
SDM600 masters the unmanaged, checking up on devices to ensure they can quickly confirm they are running the latest software, and tracking changes to the relay configurations.

The complexity of modern software demands it becomes a changeable thing, constantly updated in response to new security concerns, or functionality fixes, or to add new features. Relays are no exception to this, and keeping track of software versions can become difficult without handing the workload over to SDM600.

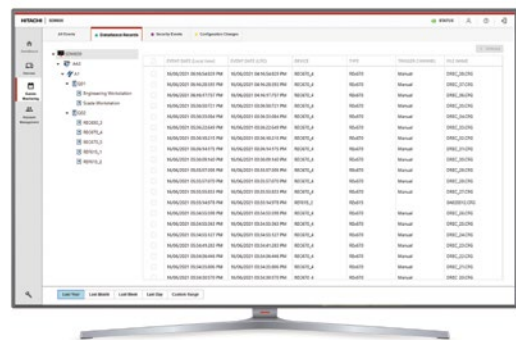
SDM600 doesn't just monitor every protection relay to see that it's running the latest version of its software. The system also watches for changes to the configuration by providing unparalleled visibility.

Information is only as good as the way in which it's displayed.

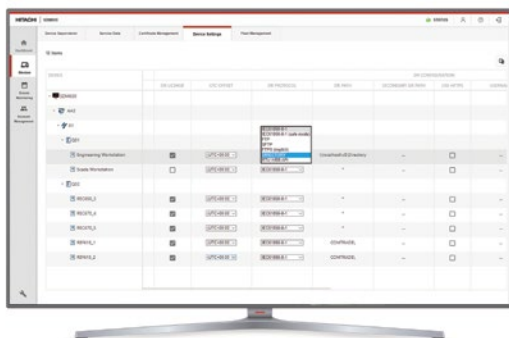
With a web-based interface, SDM600 creates a unique visualization of the automation network, RTUs and the relays of which it is comprised. Cybersecurity events, disturbance reports, user accounts and relay software versions are all collected into a single dashboard from which the user can share the insight of the SDM600, and see the unseen from a new perspective.



The dashboard graphically visualizes the different event types to answer where and when it happened. Correlations and patterns can be identified efficiently.



Dedicated lists for disturbance and cybersecurity events allow the user to filter for specific information based on the automatically collected data. Maintenance related relay information, like firmware versions can be exported into re-usable spreadsheet format.



Embedded statistics help to manage and potentially optimize the configuration of the system. With the flexible and scalable architecture SDM600 keeps the infrastructure cost at a minimum yet ensuring high availability.



Every collected disturbance recorder file can be visualized in a PDF-based short report. The report highlights the most important facts about the disturbance and can be shared with other persons.

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