

## Advanced Substation Platform

**RT|ASP** Advanced Substation Platform software from DC Systems enables utilities and large energy users to collect, monitor, display, analyze, and archive data in a modern substation.

**RT|ASP** software performs both traditional and advanced substation and distribution automation functions, providing a cost-effective, robust substation management solution.

- APPLICATIONS:**
- Data acquisition and concentration
  - Alarm management and sequential event recording (SOE)
  - Annunciation
  - Human-machine interface (HMI)
  - Substation and distribution automation

### SINGLE PLATFORM, MULTIPLE FUNCTIONS

**RT|ASP** performs traditional substation functions — data acquisition and concentration, protocol conversion, SOE, annunciation, and more—as well as advanced substation and distribution automation applications. It can replace multiple systems in a substation with a single, robust solution, resulting in significant cost savings and increased reliability. Configuration is simple and intuitive. A highly scalable platform, **RT|ASP** software is designed for substations today and tomorrow.

### RICH USER EXPERIENCE

The **RT|ASP** solution includes a full-graphic HMI, allowing simultaneous display of multiple windows to give a complete overview of substation operations. The software displays station single-line diagrams, trends, and tabular data, and includes a full-featured display editor that enables creation of custom views and symbols. **RT|ASP** software can be coupled with a substation historian, allowing users to replay historical data and single-step through events.

### COMPLETE DATA SOLUTION

**RT|ASP** software collects data from devices over multiple master communication channels, and concentrates it into one or more slave devices. The system has built-in protocol conversion, supporting industry-standards such as DNP/Modbus. Channels operate in parallel to provide high throughput, and support for serial and TCP/IP channels is provided. The system can acquire and transmit time-tagged data, and add time tags when needed. **RT|ASP** software serves data to external systems using multiple protocols.

### BUILT-IN ALARM SYSTEM

An alarm processor provides time-sorted display of events with millisecond accuracy. Different displays can be used to segment alarms into meaningful collections, such as voltage, severity, and type. The system supports up to 256 priority levels, allowing critical alarms to be extracted easily. Standard Windows\* audio files provide audible alarms, which can be acknowledged from the display or graphical user interface. An auto-inhibit feature prevents malfunctioning inputs from clogging the display.



## REAL-TIME, ADVANCED SUBSTATION MANAGEMENT

### Simple configuration and presentation

Read and interpret data with full graphics in multiple resizable windows. Use an extensive set of predefined templates to easily create and maintain the substation configuration, views, and symbols. Reconfigure the system as business requirements change.

### Reduced costs

Cut capital expenditures by replacing multiple systems with a single integrated platform.

### Accurate history

Record real-time data in the **RT|ASP** historian, and then replay and analyze time-tagged events using the system's human-machine interface (HMI).

### High availability

Run **RT|ASP** software in a redundant configuration on two servers simultaneously to provide continuous system availability and protection from hardware failures.



### The Complete RT Real-time Smart Grid Platform™

**RT|ASP** software is a member of the RT Real-time Smart Grid Platform™ applications from DC Systems, a leading developer of smart grid software for utilities and large energy users.

Our products combine the power of distributed intelligence with centralized data management—putting intelligence where you need it, while centralizing configuration, administration, and monitoring at the enterprise level. RT applications interoperate throughout the Smart Grid—from field devices, to substations, to control centers, to the enterprise—giving you greater flexibility, control, and responsiveness.

Let Us Turn Your Data Into Smart Data.

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