

Transmission / Distribution SCADA

RT|TDS Transmission/Distribution SCADA software from DC Systems simplifies the management of both large and small utility control centers. The **RT|TDS** solution is a distributed client/server SCADA system that supports multiple front-end processors, servers, and operator workstations. It includes voice synthesis, areas of responsibility, automatic alarm inhibit, customizable alarm sounds, and other advanced functions.

- APPLICATIONS:**
- Advanced control center management, supporting multiple operators and workstations
 - System administration
 - Real-time data recording, including millisecond time tags
 - Advanced data analysis
 - Serial and TCP/IP communication interface

Distributed Client/Server Architecture

RT|TDS software supports multiple, distributed communication front-end processors (FEPs) and remote or local operator workstations. Core programs are located on one or more servers, which provide processing power for database, history, and data analysis functions. **RT|TDS** software can be run on two servers simultaneously to provide continuous system availability and protection from hardware failures. The communication FEPs support multiple serial and TCP/IP channels and high-performance simultaneous polling.

Advanced Operator Interface

Operators can use multiple workstations simultaneously, with full support for areas of responsibility. Users hear voice confirmation of system commands, resulting in fewer errors. Eight customizable alarm displays include time sorting and 256 priority levels, and customizable alarm sounds enable operators to easily distinguish alarms of differing severities. Data can easily be presented in graphs, using multiple resizable windows. A device manager provides communication accounting statistics and control of substation and field devices.

High-Level Security

A centralized security manager determines which programs are authorized to run on each computer. Authentication and authorization features assure that only users permitted by the system administrator may access the system. Security alerts provide instant notification of unauthorized access attempts. Encryption prevents interception of logon and authorization codes, and time encoding prevents unauthorized replay of network data.

Simplified System Administration

A rich set of configuration tools simplifies system administrators' jobs. Ease-of-use features include device and view creation from templates, and database management tools for quick import and export of data.

High-Performance Functions

Automatic alarm inhibit prevents repetitive erroneous alarms from clogging system logs and printers. An integrated display editor supports the creation of custom graphic screens or reusable templates for common devices. With the system's optional historian, event data can be displayed on screen with millisecond accuracy or exported to spreadsheets. Inter-system communication enables multiple control centers to be linked to share data and control.



REAL-TIME, ADVANCED CONTROL CENTER MANAGEMENT Reduced costs

Flexibility

Easily adapt the system to suit the needs of different control centers, from those with a single operator to those with multiple operators on 24/7 shifts.

Scalability

As requirements grow, the system can be easily expanded.

Ease of use

An intuitive user interface and a rich set of tools simplify tasks for both operators and system administrators.

Cost-effectiveness

RT|TDS software provides efficiency for small utilities through large regional control centers.



The Complete RT Real-time Smart Grid Platform™

RT|TDS 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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