

Transmission & Distribution SCADA



Landis+Gyr's Transmission and Distribution SCADA software (TDS) simplifies the management of both large and small utility control centers. The 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-stamping
- Advanced data analysis
- Vendor agnostic protocol support over serial and/or TCP/IP communication links

DISTRIBUTED CLIENT & SERVER ARCHITECTURE

TDS supports multiple, distributed communication front-end processors (FEPs) and remote or local operator workstations. Core program can be run on two servers simultaneously to provide continuous system availability and protection from hardware failures.

ADVANCED OPERATOR INTERFACE

Operators can use multiple workstations simultaneously, with full support for areas of responsibility. Customizable audio and visual alarms can be set and managed through time sorting and 256 priority levels. A device manager provides communication accounting statistics and control of substation and field devices.

HIGH SECURITY LEVEL

Our feature rich security ensures full NERC-CIP compliance and provides a centralized security manager that determines which programs are authorized to run on each computer. 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.



DISTRIBUTED CLIENT &
SERVER ARCHITECTURE



ADVANCED
OPERATOR
INTERFACE



HIGH
SECURITY LEVEL



SIMPLIFIED SYSTEM
ADMINISTRATION



HIGH
PERFORMANCE
FUNCTIONS

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DISTRIBUTED
CLIENT & SERVER
ARCHITECTURE



ADVANCED
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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, and makes adding control center for backup and disaster recovery extremely affordable.

Advanced Control Center Benefits

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

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

The Complete Landis+Gyr Smart Grid Platform

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.

Landis+Gyr 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 SMARTER DATA.

GET IN TOUCH

For more information and nationwide warranty terms, visit us at LandisGyr.com or call at 678-258-1500.



LET'S BUILD A BRIGHTER FUTURE TOGETHER

Since 1896, Landis+Gyr has been a global leader of energy management solutions. We've provided more than 3,500 utility companies all over the world with the broadest portfolio of products and services in the industry. With a worldwide team of 1,300+ engineers and research professionals, as well as an ISO certification for quality and environmental processes, we are committed to improving energy efficiency, streamlining operations, and improving customer service for utility providers.