

LiveData SmartGrid Manager™

Global Visibility, Integrated Management, Secure Control

Delivering the final layer of intelligence with one easy-to-deploy application, LiveData transforms next-generation utility networks into fully effective Smart Grids. LiveData SmartGrid Manager provides a real-time global view of all electric power grid assets and web driven tools for configuring dashboard views, while ensuring secure handling of bidirectional data flow.

- Optimize asset performance: by monitoring the health of your entire system, pinpointing problems and issuing alerts for rapid response
- Maximize efficiency: by viewing and monitoring all processes across all your assets in real time
- Transact effectively and safely in real-time markets; by delivering distribution, transmission, or load information and having flexibility and control over “make vs. buy” decisions

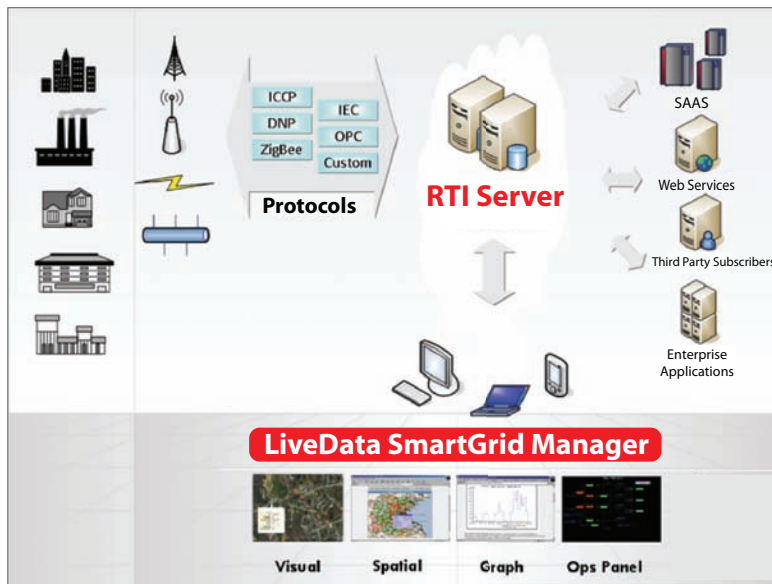


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Founded in 1991, LiveData, Inc. is the leading innovator of real-time data integration and display technology. Our solutions continuously monitor, synthesize and respond to highly complex, multi-faceted processes in real time, spanning a broad mix of distributed devices, diverse vendors’ systems, protocols and databases.

LiveData engineers played a significant role in the development of ICCP/TASE2 (Inter-Control Center Protocol). ICCP became the mandatory standard worldwide for communication between control centers in the electric power sector, propelling LiveData’s prominence in the industry.

LiveData is a leading supplier of real-time data solutions to electric power and utilities companies around the world.



The RTI™ Foundation: Powerful, Reliable, Cost-Effective

Underlying SmartGrid Manager is LiveData RTI (Real-Time Integration) Server, a robust, flexible, centralized system that eliminates the need for expensive upgrades and multiple costly and intrusive custom user-interfaces. Packaged with all necessary interfaces and protocols, RTI Server :

- Consolidates real-time communication between disparate technologies, such as SCADA, EMS, OMS, AGC, ASM, AMI, Call Center...
- Provides full bidirectional protocol support with one installation: ICCP/TASE.2, OPC, DNP3, IEC 61850, Modbus, Allen-Bradley, PG&E...
- Integrates best of breed apps, including Centralized Capacitor Control software

Problem Solved: LiveData SmartGrid Manager™

Generation Fleet Control



- Thousands of various devices supply information about the grid—need to quickly and easily recognize a failure of any type.
- Need to generate alerts when a failure is detected.
- Need to geographically report power and telemetry loss and manage power flow and energy on the supply side.

Distribution Systems



- Need to generate routine reports on the overall performance and on specific events.
- Need to integrate and monitor communications between EMS, SCADA, OMS, GMS, and load balancing systems, and to monitor the health of those systems.

Management Apps



- Need to present operational data to senior managers anywhere, through an executive web portal.
- Need to perform real-time calculations and transformations on data being passed from source to sinks.

Networks



- Need to monitor multiple LANS in a single facility, but conventional tools monitor just one LAN.
- Need to generate alerts when a network failure or potential cyber attack is detected.
- Need to reduce the complexity of adding and removing points.

