

SCADA Systems for the Electric Power Industry Global Market Research

FIVE-YEAR MARKET ANALYSIS AND TECHNOLOGY FORECAST THROUGH 2023

SCADA MAKES THE ELECTRIC GRID RELIABLE AND EFFICIENT

China, India, and Latin America are now virtually 100 percent electrified, and only Africa has large populations without electric power. New power generation is dominated by natural gas and distributed renewable wind and solar. Some renewable installations are arranged with batteries to form a microgrid capable of island operation and able to compete in the utility markets. Smaller, more responsive natural gas generating plants and grid-scale batteries play important roles for grid reliability. There is little future for coal, and the nuclear industry has yet to approve safer Gen IV reactors.

The utility industry has always needed transmission and distribution systems to connect generation to loads. New generation can include some large remote renewable installations, and this does require planning and changes to the T&D infrastructure.

There are new driving forces in the electric utility market. Outages due to weather events have highlighted the need for reliable power. The expected electrification of transport (EVs) and buildings shows projections for steady growth over the next 10 years. The need to include flexible loads down to the residential level in new markets for demand response implies there is much change ahead.

This market report includes the latest trends in IEDs, cybersecurity, communications standards, and software applications. Learn about regional differences in the T&D SCADA market, what technology is catching on, and the new players in this market segment.

For more information, please visit us at www.arcweb.com/market-studies/.

STRATEGIC ISSUES

Where is the SCADA systems market going long-term? Suppliers need to have competitive products that meet customer needs. T&D customers tend to be well established where electric grids exist. Africa remains as the only large area that is likely to see new T&D electric networks. Growth in distributed energy generation and declines in central station power are areas that require T&D SCADA systems to make some infrastructure adjustments and transition to new equipment meeting modern standards. This report provides strategies for suppliers and buyers.

RESEARCH FORMATS

This research is available as a Market Intelligence Workbook (Excel) and/or a concise, executive-level Market Analysis Report (PDF), with or without detailed charts.

RESEARCH FOCUS AREAS

STRATEGIC ANALYSIS

- Major Trends
- Regional Trends
- Strategic Recommendations

COMPETITIVE ANALYSIS

- Market Shares of the Leading Suppliers
- Market Shares by Region
 - North America
 - Europe, Middle East, Africa
 - Asia
 - Latin America
- Market Shares by Revenue Category
 - Hardware
 - Software
 - Services
- Market Shares by Grid Location
 - Power Generation
 - Power Transmission
 - Power Distribution
- Market Shares by Hardware Type
 - Communications
 - Intelligent Electronic Device
 - MTU
 - PLC
 - RTU

- Market Shares by Software Application
 - Distributed Resource Management System
 - Distribution Management System
 - Generation Control & Management
 - Outage Management System
 - Substation Automation
 - Transmission Management System
- Market Shares by Project Size
- Market Shares by New vs. Retrofit
- Market Shares by Customer Type
- Market Share by Sales Channel

MARKET FORECASTS & HISTORIES

- Total T&D SCADA Business
- Shipments by Region
- Shipments by Revenue Category
- Shipments by Grid Location
- Shipments by Hardware Type
- Shipments by Software Application
- Shipments by Project Size
- Shipments by New vs. Retrofit
- Shipments by Customer Type
- Shipments by Sales Channel

INDUSTRY PARTICIPANTS

The research identifies all relevant suppliers serving this market.

The Worldwide SCADA Systems for Electric Power Market

