SCADA Market by Component (Programmable Logic Controllers (PLCs), Remote Terminal Units (RTUs), Human-machine Interfaces (HMIs), Communication Systems, Input/Output (I/O) Devices, Sensors, Actuators, Terminal Blocks, Connectors) - Global Forecast to 2030

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Report description:

With a CAGR of 9.2%, the global SCADA market is expected to grow from USD 12.89 billion in 2025 to USD 20.05 billion by 2030. Growth will be driven by increasing automation across utilities, discrete manufacturing, and process industries, along with rising investments in infrastructure digitalization. As industries seek to improve real-time visibility, operational efficiency, and system resilience, SCADA solutions are playing a key role in enabling centralized monitoring and intelligent control. Utility sectors such as power, water and wastewater treatment, transportation, and telecommunications are implementing SCADA systems to modernize legacy networks and ensure service continuity. Discrete industries like electronics and semiconductors are using SCADA for precise manufacturing, while process sectors such as food & beverage depend on it for quality assurance and regulatory compliance. The integration of SCADA with industrial IoT, AI-based analytics, and cloud platforms is further transforming its capabilities, supporting predictive maintenance, data-driven decisions, and scalable deployment models. As global industries pursue smarter operations and digital infrastructure, the demand for advanced SCADA systems is expected to grow rapidly across key application sectors.

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" Rising demand for operational support to drive growth of services segment in the SCADA market."
The services segment is expected to grow at a significant CAGR in the SCADA market, driven by increasing demand for system integration, remote support, and lifecycle maintenance across industrial and utility operations. As SCADA systems become more

complex and essential for real-time decision-making, organizations are emphasizing service offerings that ensure system reliability, cybersecurity, and performance optimization. The shift toward cloud-based SCADA, remote monitoring, and predictive maintenance is further increasing the need for professional and managed services. Additionally, as industries pursue digital transformation strategies, the demand for technical consulting, system upgrades, and training services continues to grow. These services not only help reduce downtime but also maximize the value of SCADA infrastructure investments. With the rising focus on efficiency, safety, and regulatory compliance, the services segment is set to play a key role in supporting the long-term growth and expansion of SCADA deployments across various sectors.

" Discrete manufacturing to emerge as the fastest growing end-use segment in the SCADA market "
The discrete manufacturing segment is expected to experience the highest CAGR in the SCADA market during the forecast period, driven by the rapid adoption of smart factory frameworks and industrial automation technologies. Industries such as automotive, semiconductor, and electronics are increasingly investing in SCADA solutions to optimize operations, enable real-time data-driven decisions, and maintain product quality in highly competitive markets. Among these, the semiconductor and electronics industry is projected to grow the fastest, due to the need for precise control, advanced monitoring capabilities, and greater production flexibility. The integration of SCADA systems helps manufacturers improve process transparency, reduce downtime, and support predictive maintenance strategies. As discrete manufacturers focus on operational efficiency and digital transformation, SCADA is becoming a vital component for scalable, agile, and cost-effective production environments.

" Industrial automation and smart infrastructure initiatives to accelerate SCADA market growth in Asia Pacific "
Asia Pacific is expected to have the highest CAGR in the SCADA market during the forecast period, driven by rapid industrial growth, increasing infrastructure investments, and the faster adoption of automation across key sectors. Countries like China, India, Japan, and South Korea are improving their smart manufacturing capabilities and modernizing utility networks, which increases demand for SCADA systems. Government efforts focused on digital transformation, smart grid development, and intelligent transportation further support market growth. Additionally, the region's strong presence in electronics and automotive manufacturing is boosting the adoption of SCADA solutions to improve productivity, ensure operational continuity, and enhance asset performance. As the need for scalable, real-time control systems grows across industries, Asia Pacific is expected to become the fastest-growing region in the global SCADA market.

Breakdown of primaries
A variety of executives from key organizations operating in the SCADA market were interviewed in-depth, including CEOs, marketing directors, and innovation and technology directors.
- By Company Type: Tier 1 -45%, Tier 2 - 35%, and Tier 3 - 20%
- By Designation: Directors - 45%, C-level - 30%, and Others - 25%
- By Region: North America - 45%, Europe - 25%, Asia Pacific - 20%, and RoW - 10%

Note: Other designations include sales and product managers and project engineers. The three tiers of the companies are defined based on their total revenue in 2024: Tier 1 - revenue greater than or equal to USD 1 billion; Tier 2 - revenue between USD 100 million and USD 1 billion; and Tier 3 revenue less than or equal to USD 100 million.

Major players featured in this report include: Rockwell Automation (US), ABB (Switzerland), Schneider Electric (France), Emerson Electric Co. (US), Siemens (Germany), GE Vernova (US), Honeywell International Inc. (US), Mitsubishi Electric Corporation (Japan), OMRON Corporation (Japan), Yokogawa Electric Corporation (Japan), Capula Ltd (UK), Ing. Punzenberger COPA-DATA GmbH (Austria), Data Flow Systems (US), Power Factors (US), eLynx Technologies, LLC. (US), EMR Integrated Solutions (Ireland), Inductive Automation, LLC. (US), JFE Engineering Corporation (Japan), Ovak Technologies (Armenia), Pilz GmbH & Co. KG (Germany), Sprecher Automation GmbH (Austria), Survalent Technology Corporation (Canada), Willowglen Systems (Canada), and Trihedral Engineering Limited (Canada). These leading companies have a broad product portfolio and maintain a strong presence in both established and emerging markets.

The study provides a detailed competitive analysis of these key players in the SCADA market, presenting their company profiles, most recent developments, and key market strategies.

Research Coverage
In this report, the SCADA market is segmented by offering, end user, and region. The offer segment includes hardware, software, and services. The end user segment covers process industries, discrete manufacturing, and utilities. The market is divided into four regions - North America, Asia Pacific, Europe, and Rest of the World (RoW).

Reasons to Buy the Report
The report will assist leaders and new entrants in this market by providing estimated revenue figures for the overall market and its sub-segments. It will help stakeholders understand the competitive landscape and gain insights to better position their businesses and develop appropriate go-to-market strategies. Additionally, the report offers insights into the SCADA market's current state and highlights key market drivers, restraints, challenges, and opportunities.

Key Benefits of Buying the Report

-Analysis of key drivers (increased productivity and operational efficiency driven by growing implementation of Industry 4.0 technologies, rapid expansion of AI and IoT integration across the manufacturing sector, increasing adoption of industrial mobility solutions fueled by rising market demand, increasing rollout of smart city developments, growing governmental backing for the adoption of SCADA systems and unprecedented scale of renewable energy deployment, distributed and remote nature of renewable energy sources), restraints (significant installation and maintenance costs associated with SCADA systems and high complexity and extensive customization requirements of SCADA systems), opportunities (swift progress in wireless sensor network development, shift from on-premise SCADA infrastructure to cloud-based solutions, leveraging SCADA-big data integration for enhanced operational intelligence and growing implementation of SCADA systems across transportation, smart buildings, and agricultural sectors, floating solar SCADA solutions), and challenges (vulnerability of SCADA systems to cybersecurity threats and incompatibility between communication protocols in SCADA systems) influencing the growth of the SCADA market.

-Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the SCADA market

-Market Development: Comprehensive information about lucrative markets - the report analyzes the SCADA market across varied regions

-Market Diversification: Exhaustive information about new products/services, untapped geographies, recent developments, and investments in the SCADA market

-Competitive Assessment: In-depth assessment of market share, growth strategies, and service offerings of leading players such as Rockwell Automation (US), Schneider Electric (France), ABB (Switzerland), Siemens (Germany), Emerson Electric Co. (US) , and others.

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