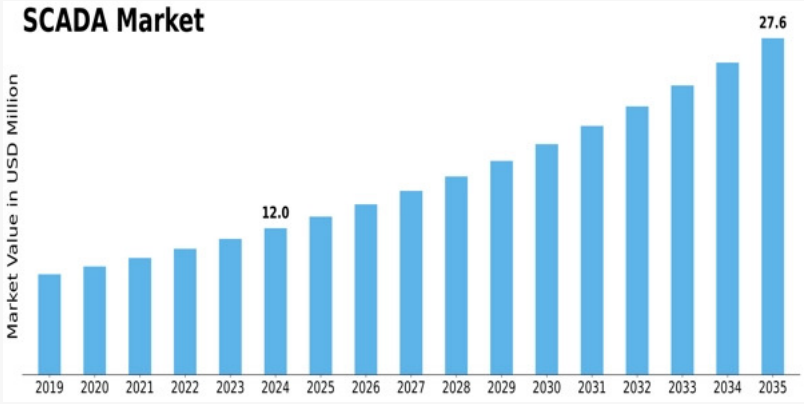
SCADA Market Size Reaches USD 12.01 Billion in 2024, Set to Surpass USD 27.58 Billion by 2035

SCADA Market Research Report Information By Deployment, Component, End-Users, and Region



SCADA Market share

CA, UNITED STATES, December 4, 2025 /EINPresswire.com/ -- The global Supervisory Control and Data Acquisition (SCADA) market has witnessed remarkable growth in recent years and is poised to expand further in the coming decade. In 2024, the market size was valued at USD 12,010.23 million and is projected to reach an impressive USD 27,584.34 million by 2035, reflecting a robust compound annual growth rate (CAGR) of 7.85% during the forecast period (2025–2035). The growth is primarily driven by the rise of smart buildings, rapid urbanization in developing economies, and the increased adoption of IoT and AI technologies across manufacturing processes. Additionally, the integration of wireless sensor networks (WSN) and big data analytics significantly enhances SCADA system efficiency, enabling broader and more advanced applications across various industries.

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• Rise of Smart Buildings:

Smart buildings require centralized control of HVAC, lighting, energy, and security systems. SCADA platforms provide real-time monitoring, automation, and data-driven optimization, making them essential for modern infrastructure projects.

• Urbanization in Developing Economies:

Emerging economies in Asia-Pacific, Latin America, and the Middle East are rapidly expanding their urban infrastructure. SCADA systems are critical for managing essential utilities such as water supply, wastewater treatment, power grids, and public transportation networks.

• Growing Adoption of IoT and AI:

Industry 4.0 is accelerating the deployment of IoT sensors and AI-driven analytics in industrial environments. SCADA systems that incorporate predictive maintenance, fault detection, and machine learning models offer higher accuracy, improved uptime, and better decision-making.

• Integration of WSN and Big Data Analytics:

Wireless sensor networks reduce installation costs and enhance scalability, while big data platforms help analyze massive volumes of real-time data generated by SCADA devices. Together, these technologies improve efficiency, responsiveness, and operational intelligence.

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• Siemens AG
• Schneider Electric
• ABB Ltd.
• Honeywell International Inc.
• Rockwell Automation
• Yokogawa Electric Corporation
• Mitsubishi Electric Corporation
• Emerson Electric Co.
• General Electric (GE Digital)
• Foxboro (now part of Schneider Electric)
• Inductive Automation
• AVEVA Group (formerly Schneider/AVEVA integrations)
• OSIsoft (AVEVA PI System)
• GE Fanuc (industrial automation legacy offerings)
• Iconics (automation software)
• Kepware (PTC)

The SCADA market is highly competitive, with major players investing in advanced cloud-based SCADA platforms, AI-powered automation tools, and cybersecurity solutions to strengthen their market position. These companies are also enhancing interoperability, enabling SCADA systems to work seamlessly with IoT networks, edge devices, and enterprise-level analytics platforms.

Additionally, strategic collaborations, mergers, and acquisitions are reshaping the SCADA industry. For example, the integration of OSIsoft into AVEVA and Foxboro's alignment with Schneider Electric represent major steps toward unified industrial data ecosystems. Such developments are helping industries achieve improved operational visibility, enhanced safety,

and reduced downtime.

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To provide a comprehensive analysis, the SCADA market is segmented based on deployment type, technology, application, and region.

1. By Deployment Type

• On-Premise SCADA: High security and control, preferred by critical infrastructure.
• Cloud-Based SCADA: Scalable, cost-effective, and ideal for distributed operations.
• Hybrid SCADA: Combines local control with cloud analytics for optimized performance.

2. By Technology

• PLC/RTU-Based SCADA: Widely used for field-level automation and control.
• DCS-Integrated SCADA: Suitable for large-scale process industries.
• Edge-Enabled SCADA: Low-latency processing for mission-critical operations.

3. By Application

• Utilities (Power, Water & Wastewater): Monitoring and controlling large-scale distribution networks.
• Oil & Gas: Pipeline management, refining control, and remote field operations.
• Manufacturing & Industrial Automation: Production line optimization, quality monitoring, and predictive maintenance.
• Transportation & Infrastructure: SCADA supports railway systems, airports, and traffic management.
• Building Automation: Managing HVAC, lighting, access control, and energy consumption.

4. By Region

• North America: Strong adoption of advanced SCADA solutions with a focus on cybersecurity.
• Europe: Growth supported by industrial automation policies and infrastructure modernization.
• Asia-Pacific: Fastest-growing region due to heavy investments in smart cities and industrial expansion.
• Rest of the World (RoW): Steady adoption across the Middle East, Africa, and Latin America driven by utility upgrades.

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The global SCADA market is on a trajectory of substantial growth, powered by the convergence of operational technology (OT) and information technology (IT), smart city development, and the rising emphasis on automation-driven efficiency. As industries and governments increasingly prioritize high-performance monitoring, safety compliance, and predictive analytics, the demand for intelligent SCADA solutions will continue to escalate. With opportunities expanding across regions and verticals, the SCADA market is expected to play a transformative role in shaping the future of industrial automation and infrastructure management.

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Automotive Iot Market

Autonomous Last Mile Delivery Robot Market

About Market Research Future:

At Market Research Future (MRFR), we enable our customers to unravel the complexity of various industries through our Cooked Research Report (CRR), Half-Cooked Research Reports (HCRR), Raw Research Reports (3R), Continuous-Feed Research (CFR), and Market Research Consulting Services. The MRFR team has a supreme objective to provide the highest-quality market research and intelligence services. Our market research studies by components, application, logistics, and market players for global, regional, and country-level segments enable our clients to see more, know more, and do more—helping them answer their most important questions.

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