

France Factory Automation and Industrial Controls - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

Market Report | 2025-04-28 | 150 pages | Mordor Intelligence

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Report description:

The France Factory Automation and Industrial Controls Market is expected to register a CAGR of 8.47% during the forecast period.

Key Highlights

- The country's industrial sector contributes nearly 17% to the GDP, in which manufacturing is one of the most important parts. France is adapting to industry 4.0 by moving a highly industrialized economy through IoT and M2M. This is helping the manufacturing sector to increase its efficiency, reduce system failures and optimize the cost through analytical insight and cutting down on wastage.
- France is currently ranked eighth in the world for manufacturing output, the biggest segments in manufacturing sector includes food products and beverages, machinery and equipment goods, aircrafts, automobiles, metals and fabricated metal products, ships and trains.
- The market share of these manufacturing industries is expected to grow to a significant extent due to increase in use of software applications that are used to control industrial devices.
- Also, there has been increase in industrial robot investment at steady rate in chemical, cosmetic, pharmaceutical industries and in the infrastructure of automotive industry. Material handling has played the important role to increase pick and place robots.
- However, there is always a high initial investment requirement for automated production line which hinders the automation adoption in France due to the stagnated growth in the economy of the country.

France Factory Automation & Industrial Controls Market Trends

Programable Logic Controller Expected to Witness Significant Growth in the Adoption

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- Programmable Logic Controller is an industrial digital computer which is designed to operate in tough industrial environment for industrial automation. These computers are mainly used to control manufacturing process in industry, robotic devices, machines, assembly lines can be easily and autonomously controlled with PLC.
- PLCs are pre-programmed with required parameters; they process and analyse the received data and trigger outputs as per need. PLC easily records and monitors runtime data like machine productivity, temperature, automatic start and stop processes, generation of alarms when a machine fails and many more.
- It also provides a function that can check the state of facilities and programs so that if there are problems or errors, it is possible to make repairs quickly compared to other control units. Input and output indicators are easily identifiable in a system.
- The automobile industry in France is growing and with it the need of autonomous manufacturing assembly controlled by robots is also increasing. PLC plays an important role in controlling manufacturing processes due to their rugged, flexible and easily programmable features.
- The advanced features of PLC can communicate data through web browser and connect data with clouds, this enables easy adoption of Industrial Internet of Things and Industry 4.0 in a factory.

Industrial Robotics are expected to dominate the market

- The industrial robotics segment consists of articulated robots, cartesian robots, SCARA robots, collaborative industry robots (cobots), parallel robots, piece picking robots, etc. The adoption of industrial robots has been increasing in most end-users and applications as these robots enhance accuracy, flexibility, reduced product damage, speed, and ultimately the efficiency of operations.
- The use of collaborative robots or cobots is increasing rapidly as they are utilizing advanced sensors, software, and end-of-arm tooling that quickly and safely respond to the changes in the environment and assist in improving efficiency.
- With the help of artificial intelligence in industrial robots, the automotive sector's assembly lines have become more productive, efficient, and cost-effective. Industrial robotics on the shop floor, especially cylindrical robots, transformed automobile production by automating the manufacturing process.
- France is home to many reputable manufacturing companies that include Airbus, Daher, Groupe Renault, naval Group, and many others. Furthermore, the presence of innovation cluster and innovation platforms include ID 4 Car, EMC2, and other, Clarte, Proxinnov, and others.
- Thus, there is a huge potential for the growth of the country's industrial sector. This increases the need for factory automation and field devices to automate such manufacturing factories. Industrial Robots play important role in automation in manufacturing industry.

France Factory Automation & Industrial Controls Industry Overview

The France Factory Automation and Industrial Controls Market is a moderately fragmented market, with presence of many small and large players. Many companies are engaged in industrial automation and advanced technologies in industrial control devices, the market is moderately consolidated. Considering the increasing automation, companies are investing in the same, by partnering with other automation companies.

- September 2021 - Orange Business Services and Siemens struck a deal to combine in data analytics, private 5G networks, industrial IoT, cybersecurity, cloud and edge computing to expand the industry 4.0 space in French manufacturing sector.

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- May 2021 - Schneider Electric partnered with Roca Group to accelerate decarbonization. Roca Group, a world leader in the design, production, and commercialization of products to define a new roadmap toward decarbonization, has been establishing a single, global strategy across the group.
- April 2021 - Siemens and Google Cloud announced their collaboration to streamline production operations for boosting shop floor efficiency. Siemens plans to integrate Google Cloud's top data cloud and artificial intelligence/machine learning (AI/ML) capabilities with its factory automation solutions to assist manufacturers in the manufacturing process.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

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