

## **United Kingdom Factory Automation and Industrial Control Systems Market Report and Forecast 2024-2032**

Market Report | 2024-07-18 | 174 pages | EMR Inc.

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### **Report description:**

United Kingdom Factory Automation and Industrial Control Systems Market and Forecast 2024-2032

#### Market Outlook

According to the report by Expert Market Research (EMR), the United Kingdom factory automation and industrial control systems market size reached a value of around USD 15.90 billion in 2023. Aided by the rising adoption of digital transformation strategies across industries and the increasing need for efficiency and productivity, the market is projected to grow at a CAGR of 10.2% between 2024 and 2032 to reach a value of nearly USD 38.35 billion by 2032.

Factory automation systems and industrial controls are critical components in modern manufacturing and production industries. They encompass a range of technologies, including programmable logic controllers (PLCs), industrial robotics, human-machine interface (HMI) systems, and distributed control systems (DCS). These technologies enable enhanced control, increased precision, and operational efficiencies, thereby reducing the reliance on human labour and minimising errors.

As per the United Kingdom factory automation and industrial control systems market analysis, continuous innovation in automation technologies such as artificial intelligence (AI), machine learning (ML), and the Internet of things (IoT) are enhancing the capabilities of control systems, making them more efficient and adaptable to complex manufacturing environments. With a resurgence in manufacturing activities in the UK, driven by policies aimed at revitalising the industrial sector, there is a growing demand for automated systems to ensure competitive efficiency.

IoT technology is revolutionising factory automation by enabling connected devices to communicate and interact without human intervention. As per the United Kingdom factory automation and industrial control systems market outlook, this connectivity allows for more efficient resource management, improved safety measures, and real-time data collection. In the UK, industries are leveraging IoT to optimise production processes, reduce operational costs, and enhance predictive maintenance capabilities. The trend is towards creating smart factories where IoT devices monitor everything from machine performance to supply chain logistics, providing actionable insights to improve efficiency and productivity.

The use of industrial robots is not new, but the scope and capabilities of these robots are expanding rapidly and boosting the United Kingdom factory automation and industrial control systems market growth. Collaborative robots (cobots) are gaining

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popularity in the UK market due to their ability to safely work alongside human operators without the need for extensive safety barriers. These robots are equipped with sensors and machine vision technologies to adapt to their environment and perform a variety of tasks from assembly to packaging. The adoption of robotics is helping UK industries to improve safety, reduce operational costs, and increase production rates.

As industrial control systems become more interconnected, the potential cybersecurity risks also increase. Cyber threats can lead to significant disruptions in manufacturing processes and even compromise sensitive data. The United Kingdom factory automation and industrial control systems market development is further fuelled by the heightened emphasis on implementing robust cybersecurity measures to protect industrial networks and control systems. This includes the adoption of secure communication protocols, regular security audits, and the training of staff to recognise and mitigate cybersecurity threats. Government policies supporting industrial automation, such as tax incentives for adopting new technologies and funding for research and development, are significant catalysts for the United Kingdom factory automation and industrial control systems market expansion. In the face of global competition, UK industries are increasingly adopting automation to improve productivity, reduce costs, and maintain quality standards.

London and the South East lead in market adoption due to the concentration of high-tech industries and financial hubs that invest heavily in digital technologies. Midlands and North of England are witnessing growth in manufacturing sectors, driven by governmental industrial revitalisation strategies, thus increasing the demand for automation technologies, which boosts the United Kingdom factory automation and industrial control systems market value. In Scotland and Wales, there is a focus on developing energy-efficient systems in heavy industries like oil and gas, which are prominent in these regions.

#### Market Segmentation □

The market can be divided based on component, solution, and end use.

##### Market Breakup by Component

- Industrial Robots
- Machine Vision
- Motors and Drives
- Sensors and Transmitters
- Others

##### Market Breakup by Solution

- SCADA
- PLC
- DCS
- MES
- Industrial Safety
- PAM

##### Market Breakup by End Use

- Automotive
- Chemical and Petrochemical
- Utility
- Pharmaceutical
- Food and Beverage
- Oil and Gas
- Others

#### Competitive Landscape

The EMR report looks into the market shares, plant turnarounds, capacities, investments, and mergers and acquisitions, among other major developments, of the leading companies operating in the United Kingdom factory automation and industrial control

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systems market. Some of the major players explored in the report by Expert Market Research are as follows:

- Emerson Electric Co
- Siemens AG
- Schneider Electric SE
- Mitsubishi Electric Corporation
- Yokogawa Electric Corporation
- Endress+Hauser
- Honeywell International Inc.
- Rockwell Automation Inc.
- OMRON Corporation
- Phoenix Control Systems Ltd
- Others

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Acquire unparalleled access to critical industry insights with our comprehensive market research reports, meticulously prepared by a team of seasoned experts. These reports are designed to equip decision-makers with an in-depth understanding of prevailing market trends, competitive landscapes, and growth opportunities.

Our high-quality, data-driven analysis provides the essential framework for organisations seeking to make informed and strategic decisions in an increasingly complex and rapidly evolving business environment. By investing in our market research reports, you can ensure your organisation remains agile, proactive, and poised for success in today's competitive market.

Don't miss the opportunity to elevate your business intelligence and strengthen your strategic planning. Secure your organisation's future success by acquiring one of our Expert Market Research reports today.

\*We at Expert Market Research always strive to provide you with the latest information. The numbers in the article are only indicative and may be different from the actual report.

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