

Middle East & Africa Industrial Automation Market Forecast to 2030 - Regional Analysis - by Component (Hardware and Software), System (Supervisory Control and Data Acquisition, Distributed Control System, Programmable Logic Control, and Other), and End User (Oil & Gas, Automotive, Food & Beverages, Chemical & Materials, Aerospace & Defense, and Others)

<https://marketpublishers.com/r/M409EB8B0851EN.html>

Date: December 2023

Pages: 117

Price: US\$ 3,550.00 (Single User License)

ID: M409EB8B0851EN

Abstracts

The Middle East & Africa industrial automation market is expected to grow from US\$ 3,667.75 million in 2022 to US\$ 6,162.94 million by 2030. It is estimated to grow at a CAGR of 6.7% from 2022 to 2030.

Surging Demand for Automation in the E-commerce Industry Fuels Middle East & Africa Industrial Automation Market

The increasing number of online shoppers across both the regions is constantly influencing the adoption of automation across the e-commerce industry. Significant automation applications across the sector include workflow process automation and automated storage and inventory retrieval.

Inventory sold by e-commerce sellers is stored in warehouses, and to reduce the time for sorting and stocking of these products, Automated Storage and Retrieval Systems (ASRS) seems to be one of the best tools. The purchasing pattern of consumers is moving toward online shopping. Further, customers expect faster delivery time, owing to which e-commerce players are adopting automation in their processes. The fluctuations in demand of stock-keeping units (SKUs) create complexities in picking operations, which slows down the fulfilment process.

The demand for automation in e-commerce is highly varying, owing to which the forward

pick areas must be continuously adjusted to aid the fluctuation in demand. Along with managing SKU demand fluctuations, an ASRS also advances the fulfilment process, thus allowing e-commerce and omnichannel retailers to adhere better to service level agreements by fulfilling order delivery commitments.

Several e-commerce giants have also increased their investment in automating their warehouse facilities over the years. Additionally, new products and technologies are being launched regularly to support the growing automation of warehouses. For instance, in June 2022, Amazon announced the launch of a new fleet of robots and automated systems. An autonomous robot, named Proteus, and robotic system titled Cardinal, was announced by Amazon. As per the company, Proteus allows for full autonomy of the warehouse floor and can operate in a manner that augments simple, safe interaction between technology and people. These factors are expected to boost the growth of the Middle East & Africa industrial automation market over the forecast period.

Middle East & Africa Industrial Automation Market Overview

Industry 4.0 is expanding due to the use of AI, machine learning, robotics, and other advanced technologies. These technologies are being increasingly adopted by manufacturers in the MEA, as they offer the potential to improve efficiency and productivity. In recent years, there has been a growing trend toward deploying automated systems in the manufacturing sector as companies seek ways to improve their efficiency, productivity, and product quality. The region has been experiencing a rise in labor costs. Automation can help in reducing labor costs and improve productivity. The manufacturing sector of the MEA is the largest end-user of industrial automation systems, as these systems are used in a variety of manufacturing processes, such as food and beverage, automotive, and textiles. Additionally, the oil & gas industry is another major end-user of industrial automation systems in the MEA. Automation is used in drilling and production and a variety of other oil and gas operations. Also, governments and private enterprises are major end-users of industrial automation systems in the region. They use automation to improve the efficiency of their operations, such as transportation and water management.

The Middle East & Africa industrial automation market in the region is being driven by the growing need for automation in the manufacturing sector, the increasing adoption of Industry 4.0 technologies, government initiatives to promote automation, and rising labor costs.

Middle East & Africa Industrial Automation Market Revenue and Forecast to 2030 (US\$ Billion)

Middle East & Africa Industrial Automation Market Segmentation

The Middle East & Africa industrial automation market is segmented into component, system, end user, and country.

Based on component, the Middle East & Africa industrial automation market is segmented into hardware and software. The hardware segment held a larger share of the Middle East & Africa industrial automation market in 2022. The hardware is further sub segmented into motors and drives, robots, sensors, machine vision systems, and others.

Based on system, the Middle East & Africa industrial automation market is segmented into supervisory control and data acquisition, distributed control system, programmable logic control, and other. The distributed control system segment held the largest share of the Middle East & Africa industrial automation market in 2022.

Based on end user, the Middle East & Africa industrial automation market is segmented into oil & gas, automotive, food & beverage, chemical & materials, aerospace & defense, and others. The automotive segment held the largest share of the Middle East & Africa industrial automation market in 2022.

Based on country, the Middle East & Africa industrial automation market is segmented into South Africa, Saudi Arabia, the UAE, and the Rest of Middle East & Africa. The UAE dominated the Middle East & Africa industrial automation market in 2022.

ABB Ltd, Emerson Electric Co, Hitachi Ltd, Honeywell International Inc, Mitsubishi Electric Corp, OMRON Corp, Rockwell Automation Inc, Schneider Electric SE, and Siemens AG are some of the leading companies operating in the Middle East & Africa industrial automation market.

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