

Middle East & Africa Valve Actuator Market Forecast to 2031 - Regional Analysis - by End User (Mining, LNG, Chemical, Oil & Gas, Water & Wastewater, and Others) and Product Type (Electrical, Manual, Hydraulic, and Pneumatic)

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Abstracts

The Middle East & Africa valve actuator market was valued at US\$ 796.91 million in 2023 and is expected to reach US\$ 1,046.75 million by 2031; it is estimated to register a CAGR of 3.5% from 2023 to 2031.

Miniature Actuators Bolster Middle East & Africa Valve Actuator Market

The miniaturization of electronic components and systems plays an important role in the electronics industry. It helps reduce the size of the electronic components used in several applications, such as consumer electronics, healthcare, and automotive. In addition, it helps save space for the incorporation of more technologies or reduce the overall size of the electronic device. For example, the reduced size of batteries helps in powering computer miniaturizations. Moreover, miniaturization helps save the cost of the overall material used in the products or components, which can reduce the overall cost of components and devices. Thus, the miniaturization of the actuators will play a crucial role in integration with the miniaturized electronic systems. Market players are engaged in innovating valve actuators. For example, in February 2021, Siemens announced its latest range of actuators for valves, which provide low-noise operation for automation use. The SSA range of actuators by Siemens was designed for small valve systems (such as central heating controls and water flow). The actuators include IP54 protection for more flexible installation. The actuators have an integrated LED display for status indication, and they utilize feedback signals to the controlling device to create a closed-loop design.

According to Bennett University's blog in May 2022, micro-electromechanical systems (MEMS) will use actuators to combine mechanical and electrical components in micrometer or millimeter-sized integrated devices or systems. These devices or systems can sense physical stimulus, control a process or system and actuate or drive micro or mega-scale devices. In addition, with the integration of IoT, many sensors and actuators are required for constant monitoring of these devices. Hence, there will be a large requirement for small, low-powered, wireless sensors and smart actuators in the upcoming years, which will drive the valve actuator market during the forecast period.

Middle East & Africa Valve Actuator Market Overview

The Middle East & Africa valve actuator market is segmented into South Africa, Saudi Arabia, UAE, and the Rest of Middle East & Africa. Countries in this region invested heavily in the mobilization of their water resources to address severe water scarcity issues. Many water treatment plants are operational in Cape Town, Morocco, and Egypt, among others. Various players are providing valve actuators for water treatment plants in this region. The UAE is one of the world's leading oil-producing countries, and the oil & gas industry plays a pivotal role in shaping its economic status. The UAE possesses substantial oil reserves, primarily located in the Emirate of Abu Dhabi. The country has consistently been one of the largest oil producers in the world. The UAE has a proven oil reserve capacity of approximately 97.8 billion barrels and an oil production capacity of ~3.5 million barrels per day. The elevating oil production levels in the region, thus, creates the need for valves and valve actuators in oil & gas infrastructure.

The Middle East & Africa actuator market is segmented into South Africa, Saudi Arabia, UAE, and the Rest of Middle East & Africa. Middle East & Africa countries are among the most water-scarce countries in the world. Consequently, these countries invest heavily in the mobilization of their water resources. The region also has various water treatment plants in Cape Town, Morocco, Egypt, etc. Various players are providing actuators for water treatment plants. As announced by AUMA in October 2022, its new PROFOX actuators have been in operation at the Zandvliet wastewater treatment plant in Cape Town, South Africa, for more than a year. These valve actuators are used to enable the automated delivery of flocculents to aid the removal of fine solids in new settlement basins. Their control parameters such as operating time and motor speed can be easily adjusted using a smartphone or laptop.

The Middle East & Africa is an oil-rich region as several countries have large reserves

of oil and natural gas. A few of the largest oil-producing countries in the region are Saudi Arabia, Iraq, Iran, Kuwait, and the UAE. According to the General Authority for Statistics, natural gas reserves increased by 0.91% in 2021 compared to 2020 in Saudi Arabia, reaching 8,293 million tons of oil equivalent (TOE), i.e., 329,081 billion cubic feet. Natural gas production amounted to 126 million TOE in 2021, equivalent to 4,928 billion cubic feet, recording a surge by 2.94% compared to 2020. Crude oil reserves increased by 0.04% in 2021 compared to 2020, reaching 37,065 million TOE, i.e., 267,192 million barrels. Thus, the growing oil & gas production in the Middle East & Africa generates the need for valve actuators.

Middle East & Africa Valve Actuator Market Revenue and Forecast to 2031 (US\$ Million)

Middle East & Africa Valve Actuator Market Segmentation

The Middle East & Africa valve actuator market is categorized into end user, product type, and country.

Based on end user, the Middle East & Africa valve actuator market is segmented into mining, LNG, chemical, oil & gas, water & wastewater, and others. The oil & gas segment held the largest market share in 2023.

In terms of product type, the Middle East & Africa valve actuator market is categorized into electrical, manual, hydraulic, and pneumatic. The electrical segment held the largest market share in 2023.

By country, the Middle East & Africa valve actuator market is segmented into South Africa, Saudi Arabia, the UAE, and the Rest of Middle East & Africa. The UAE dominated the Middle East & Africa valve actuator market share in 2023.

Emerson Electric Co; Schlumberger NV; Alfa Laval AB; Flowserve Corp; Crane Company; Rotork Plc; Valmet Oyj; KITZ Corp; IMI Plc; and Tolomatic, Inc. are some of the leading companies operating in the Middle East & Africa valve actuator market.

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