

Middle East & Africa Rolling Stock Management Market Forecast to 2028 - Regional Analysis - by Management Type (Rail Management and Infrastructure Management) and Maintenance Service (Corrective Maintenance, Preventive Maintenance, and Predictive Maintenance)

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Abstracts

The Middle East & Africa rolling stock management market was valued at US\$ 2,185.68 million in 2022 and is expected to reach US\$ 2,641.85 million by 2028; it is estimated to grow at a CAGR of 3.2% from 2022 to 2028.

Use of Robotics in Rolling Stock Management fuel the Middle East & Africa Rolling Stock Management Market

With the emergence of manufacturing in Industry 4.0, the adoption of automation for mass customizations plays a crucial role in generating large production volumes in a limited amount of time. Robots and machinery help reduce the downtime of the production process, provide accurate results, and eliminate human errors. Therefore, major players in the market are adopting robotics technologies to generate desired accurate results. In addition, the robotic sanding machine used in the workshop provides a finish to the surfaces of the trains equipment. To check the finish, the workshop technician uses drones to inspect the roofs. Such use of robotics provides better maintenance of the rolling stock, which further helps the technician to carry out preventive maintenance to enhance security and safety in the rail industry. Furthermore, several benefits of deploying robotics technologies in rolling stock management systems have encouraged various rail industry players to leverage the advantages of such technology. Thus, the inclusion of robotics helps for the efficient management of rolling stock in the rail industry, which is expected to fuel the Middle East & Africa rolling stock management market growth during the forecast period.

Middle East & Africa Rolling Stock Management Market Overview

In recent years, rail transportation in the Middle East has experienced a significant transformation from traditional locomotives to modern and high-tech trains. Rail travel is becoming most preferred transporting solution in the region, and rail projects are changing the transportation model by providing safe, efficient, and sustainable transport options. Governments of countries in the Middle East & Africa are taking initiatives to establish new rail projects in the region. In Riyadh, the metro system is set to become completely operational by 2023. Jeddahs new metro system is expected to begin in 2025. The Jeddah metro project is a US\$ 60 billion initiative. In Makkah, a four-line metro system, including 180 km with 88 stations, is being established in six phases over 20 years. In May 2023, Siemens Mobility announced a project of re-signaling in the authority of Gauteng, South Africa, to improve the safety and reliability of services functioned by the Passenger Rail Agency of South Africa (PRASA). Such projects show that the increasing infrastructure in the MEA and partnerships between companies in the Middle East & Africa will increase the demand for rolling stock maintenance services. Therefore, the rolling stock market is anticipated to grow significantly with an increase in the railway infrastructure and railway stations.

Middle East & Africa Rolling Stock Management Market Revenue and Forecast to 2028 (US\$ Million)

Middle East & Africa Rolling Stock Management Market Segmentation

The Middle East & Africa rolling stock management market is segmented based on management type, maintenance service, and country. Based on management type, the Middle East & Africa rolling stock management market is bifurcated into rail management and infrastructure management. The rail management segment held a larger market share in 2022. The rail management segment is further subsegmented into remote diagnostic management, wayside management, train management, asset management, cab advisory, and others. Additionally, the infrastructure management segment is categorized into control room management, station management, automatic fare collection management, and others.

Based on maintenance service, the Middle East & Africa rolling stock management market is segmented into corrective maintenance, preventive maintenance, and predictive maintenance. The corrective maintenance segment held the largest market share in 2022.

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

Alstom SA, ABB Ltd, Mitsubishi Electric Corp, Siemens Mobility GmbH, Talgo SA, Thales SA, Toshiba Infrastructure Systems and Solutions Corp, and Trimble Inc. are

some of the leading companies operating in the Middle East & Africa rolling stock management market.

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