

# **Middle East & Africa Airport Runway FOD Detection Systems Market Forecast to 2031 - Regional Analysis - by Component (Hardware and Services) and End Use (Military Airport and Civil Airport)**

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## **Abstracts**

The Middle East & Africa airport runway FOD detection systems market was valued at US\$ 15.41 million in 2023 and is expected to reach US\$ 22.05 million by 2031; it is estimated to register a CAGR of 4.6% from 2023 to 2031.

### **Artificial Intelligence-Driven FOD Detection Systems Bolster Middle East & Africa Airport Runway FOD Detection Systems Market**

The adoption of advanced technologies such as the Internet of Things (IoT), cloud, blockchain, and artificial intelligence (AI) by the aerospace & defense industry is projected to increase in the coming years. The implementation of high-end technologies supports organizations to modernize the manufacturing of components, streamline operational processes, ensure improved safety of the aircraft and passengers, and process large volumes of data. For instance, ArgosAI offers A-FOD that confers features such as enhanced real-time detection of FOD, analysis tools for managing runways, and alarm generation systems; it is an artificial intelligence-based automated airport runway FOD detection system. Thus, the rising adoption of artificial intelligence-driven FOD detection systems is expected to bring new trends to the airport runway FOD detection systems market in the coming years.

### **Middle East & Africa Airport Runway FOD Detection Systems Market Overview**

The aviation industry plays an important role in facilitating global connectivity and economic development. The demand for efficient and modern airport facilities has been

on the rise across the globe. According to the Airport Council International (ACI), the Middle East is expected to account for more than one billion of the global air passenger demand by 2040. As a result, airport infrastructure development in the Middle East requires an investment of US\$ 151 billion to expand capacity. With over 110 airports, the Middle East is already one of the fastest-growing airports worldwide, accounting for 170 million of global traffic. According to the ACI forecast, more than US\$ 150 billion in investment is required to build airport infrastructure from 2021 to 2040 to fulfill the need to manage growing air passenger traffic.

The Middle East & Africa is experiencing substantial airport infrastructure expansion and developments, fueled by economic growth and an increasing focus on becoming global aviation hubs. Major airports such as Dubai International, Hamad International, and King Fahd International are leading the region's modernization efforts by incorporating cutting-edge technologies and extensive expansion projects. For example, Jeddah Airport Company is aimed at expanding King Abdulaziz International Airport with an investment of US\$ 31 billion by 2031. Through this project, the airport is expected to manage 114 million passengers per year.

Governments of various countries in Africa are working on various initiatives to meet the growing demand for air travel. Among African countries, the aviation sector in South Africa is the most technologically advanced and has the highest number of passengers, cargo volume, aircraft fleet, and airports. The country's government is also focused on matching the capabilities of other developing countries, which strengthens the country's aviation sector, especially in terms of aircraft fleet and airport infrastructure. The South African government's focus on airport infrastructure, in collaboration with the Airports Company South Africa (ACSA), demonstrates the growth of airport infrastructure in the country through the expansion of existing airports. The expansion projects involve boosting the number of runways and terminals at various airports in the country. Thus, an increase in the number of runways is expected to fuel the growth of the airport runway FOD detection systems market in the Middle East & Africa from 2023 to 2031.

Middle East & Africa Airport Runway FOD Detection Systems Market Revenue and Forecast to 2031 (US\$ Million)

Middle East & Africa Airport Runway FOD Detection Systems Market Segmentation

The Middle East & Africa airport runway FOD detection systems market is categorized into component, end use, and country.

Based on component, the Middle East & Africa airport runway FOD detection systems market is bifurcated into hardware and services. The hardware segment held a larger Middle East & Africa airport runway FOD detection systems market share in 2023.

In terms of end use, the Middle East & Africa airport runway FOD detection systems market is categorized into military airport and civil airport. The civil airport segment held a larger Middle East & Africa airport runway FOD detection systems market share in 2023.

By country, the Middle East & Africa airport runway FOD detection systems market is segmented into South Africa, the UAE, Saudi Arabia, and the Rest of Middle East & Africa. The UAE dominated the Middle East & Africa airport runway FOD detection systems market share in 2023.

ArgosAI Teknoloji A.?, Moog Inc, Rheinmetall AG, QinetiQ Group Plc, Thales SA, Xsight Systems Ltd.; Smiths Detection Group Ltd.(Smiths Group plc); Infologic Pte Ltd.; and Hitachi Ltd are some of the leading companies operating in Middle East & Africa airport runway FOD detection systems market.

#### Reason to buy

Save and reduce time carrying out entry-level research by identifying the growth, size, leading players, and segments in the Middle East & Africa airport runway FOD detection systems market.

Highlights key business priorities in order to assist companies to realign their business strategies.

The key findings and recommendations highlight crucial progressive industry trends in the Middle East & Africa airport runway FOD detection systems market, thereby allowing players across the value chain to develop effective long-term strategies.

Develop/modify business expansion plans by using substantial growth offering developed and emerging markets.

Scrutinize in-depth Middle East & Africa market trends and outlook coupled with the factors driving the Middle East & Africa airport runway FOD detection systems market, as well as those hindering it.

Enhance the decision-making process by understanding the strategies that underpin commercial interest with respect to client products, segmentation, pricing, and distribution.

## The List of Companies - Middle East & Africa Airport Runway FOD Detection Systems Market

ArgosAI Teknoloji A.?

Moog Inc

Rheinmetall AG

QinetiQ Group Plc

Thales SA

Xsight Systems Ltd.

Smiths Detection Group Ltd. (Smiths Group plc)

Infologic Pte Ltd.

Hitachi Ltd

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