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# South & Central America 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 South & Central America airport runway FOD detection systems market was valued at US$ 9.77 million in 2023 and is expected to reach US$ 14.92 million by 2031; it is estimated to register a CAGR of 5.4% from 2023 to 2031.

Rising Popularity of Smart Airports Fuels South & Central America Airport Runway FOD Detection Systems Market

The increasing inclination of government authorities toward smart airports boosts the demand for the implementation of smart systems on airport premises. The increasing popularity of smart airports presents a significant opportunity for the market of foreign object debris (FOD) detection systems. As airports around the world adopt smart technologies to enhance operational efficiency, improve the passenger experience, and strengthen safety protocols, there is a rising demand for advanced FOD detection solutions. Smart airports streamline operations by incorporating digital technologies such as the Internet of Things (IoT), artificial intelligence (AI), automation, and real-time data analytics. This makes them more responsive to safety threats, including foreign object debris on runways. In smart airports, FOD detection systems are increasingly integrated with other automated systems, such as runway management, weather monitoring, and aircraft maintenance platforms, creating a unified approach to airport safety. The use of AI and machine learning algorithms in these systems allows for more precise detection of even the smallest debris, significantly reducing the risk of runway accidents. Additionally, smart airports can benefit from real-time data transmission, enabling rapid responses and minimizing disruptions to flight schedules. As more

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airports pursue digital transformation and aim to meet higher safety standards, the demand for innovative and automated FOD detection technologies is expected to rise. This trend presents substantial growth opportunities for companies in the FOD detection market, particularly those offering scalable, efficient, and intelligent solutions tailored to the evolving needs of smart airports. Contactless services at smart airports contribute to enhanced passenger experiences. Thus, the growing focus on smart airports is anticipated to create lucrative opportunities for the growth of the airport runway FOD detection systems market during the forecast period.

South & Central America 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. South America is undergoing notable aviation infrastructure expansion and developments to accommodate the region's growing air travel demands. As a result, airports in the region are witnessing an increase in aircraft movement. Brazil, Colombia, Argentina, Peru, Chile, and other countries in the region are engaged in the building and construction of airport infrastructure to cope with the expected rise in air passengers in the future. For example, in 2023, the government of Colombia announced its plans to invest more than US$ 2.5 billion toward the modernization and expansion of five airports across the country. In addition, the terminal B expansion project at Punta Cana International Airport in the Dominican Republic, with an investment of US$ 290 million, was completed and began operation in July 2023 with flights from North America. Such airport expansion and development projects and a rise in investment toward the development of the new airports are expected to fuel the growth of the airport runway FOD detection systems market in South America during the forecast period.

South & Central America Airport Runway FOD Detection Systems Market Revenue and Forecast to 2031 (US$ Million)

South & Central America Airport Runway FOD Detection Systems Market Segmentation

The South & Central America airport runway FOD detection systems market is categorized into component, end use, and country.

Based on component, the South & Central America airport runway FOD detection systems market is bifurcated into hardware and services. The hardware segment held a larger South & Central America airport runway FOD detection systems market share in

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2023.

In terms of end use, the South & Central America airport runway FOD detection systems market is bifurcated into military airport and civil airport. The civil airport segment held a larger South & Central America airport runway FOD detection systems market share in 2023.

By country, the South & Central America airport runway FOD detection systems market is segmented into Brazil, Argentina, and the Rest of South & Central America. Brazil dominated the South & Central America airport runway FOD detection systems market share in 2023.

Moog Inc, Rheinmetall AG, Thales SA, and Hitachi Ltd are some of the leading companies operating in South & Central America 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 South & Central America 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 South & Central America 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 South & Central America market trends and outlook coupled with the factors driving the South & Central America 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,

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pricing, and distribution.

The List of Companies - South & Central America Airport Runway FOD Detection Systems Market

Moog Inc

Rheinmetall AG

Thales SA

Hitachi Ltd

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