

# **North 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 North America airport runway FOD detection systems market was valued at US\$ 42.41 million in 2023 and is expected to reach US\$ 72.37 million by 2031; it is estimated to register a CAGR of 6.9% from 2023 to 2031.

**Surge in Construction of New Airport Terminals, Runways, Taxiways, and Hangars Fuels North America Airport Runway FOD Detection Systems Market**

The mounting number of global commercial aircraft fleets is one of the major factors generating the demand for new flights, terminals, runways, and hangars across different airports to cater to the growing passenger traffic worldwide. This fuels the investments from airport authorities to upgrade their respective airport premises to cater to a huge fleet of aircraft, which also improves the overall airport's operational efficiency. The improved efficiency is also attributed to the introduction of low-cost airlines that have supported air passenger traffic worldwide. In March 2023, the Canadian Kelowna City Council announced approval for funding of US\$ 90 million for the expansion project of the Kelowna Airport terminal. Several government authorities of different countries have also been planning to construct new airports across their respective countries to enhance the flow of international cargo trade and development of the air travel industry. For instance, in the US, six new airports are currently under construction. Also, in 2022, the Government of India announced its plans to build ~220 airports by the end of 2025.

Thus, the construction of new airport terminals, runways, taxiways, and hangars contributes to the growth of the airport runway FOD detection systems market.

## North 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. The aviation sector in North America is witnessing significant expansion and developments, responding to the region's growing air travel demands and economic vitality. Key airports, including Hartsfield-Jackson Atlanta International Airport, Los Angeles International Airport, and Dallas/Fort Worth International Airport, are undergoing modernization projects to accommodate increased passenger traffic. The US has the highest number of airports in the world as well as a significant number of airport technology developers. This makes it easier for airport authorities to procure larger quantities of airport technologies or systems, including FOD detection systems, thereby driving the airport runway FOD detection systems market. The report by Airport Council International (ACI-NA) highlighted that North America's airport infrastructure requires \$151.1 billion to maintain or expand from 2023 to 2027.

The Federal Aviation Administration's (FAA) ongoing efforts to develop robust and safe airport and runway infrastructure are encouraging airport authorities to invest in advanced technologies such as FOD detection systems. Therefore, the significant need for modernization of airport and runway technologies by the FAA is another key factor driving the market for airport runway FOD detection systems in North America. Moreover, the Canadian Airports Authority and subsequent airport management always emphasize runway maintenance to prevent runway downtime due to runway accidents. To ensure the constant movement of aircraft fleets to and from the airport, airport administrations are installing FOD detection systems on runways, which is boosting the runway FOD detection systems market in the region. A few of the key players operating in the North America airport runway FOD detection systems market include Pavemetrics Systems; QinetiQ; Thales Group; Varec, Inc.; and XSight Systems Ltd.; among others.

## North America Airport Runway FOD Detection Systems Market Revenue and Forecast to 2031 (US\$ Million)

## North America Airport Runway FOD Detection Systems Market Segmentation

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

Based on component, the North America airport runway FOD detection systems market

is bifurcated into hardware and services. The hardware segment held a larger North America airport runway FOD detection systems market share in 2023.

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

By country, the North America airport runway FOD detection systems market is segmented into the US, Canada, and Mexico. The US dominated the North America airport runway FOD detection systems market share in 2023.

Moog Inc; Pavemetrics; Rheinmetall AG; QinetiQ Group Plc; Thales SA; Xsight Systems Ltd.; Trex Aviation Systems; Varec, Inc.; Smiths Detection Group Ltd. (Smiths Group plc); Infologic Pte Ltd.; Skylarklabs, Inc.; and Hitachi Ltd are some of the leading companies operating in North 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 North 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 North 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 North America market trends and outlook coupled with the factors driving the North 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,

pricing, and distribution.

## The List of Companies - North America Airport Runway FOD Detection Systems Market

Moog Inc

Pavemetrics

Rheinmetall AG

QinetiQ Group Plc

Thales SA

Xsight Systems Ltd.

Trex Aviation Systems

Varec, Inc.

Smiths Detection Group Ltd. (Smiths Group plc)

Infologic Pte Ltd.

Skylarklabs, Inc.

Hitachi Ltd

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