

# **Spark Detection System Market Size and Forecast (2021 - 2031), Global and Regional Share, Trend, and Growth Opportunity Analysis Report Coverage: By Component [Infrared Spark Detection Systems and Ultraviolet (UV) Spark Detection Systems], Application (Wood-Based Panel Industry, Textile Industry, Pulp and Paper Industry, Bioenergy, Food Industry, and Others), and Geography (North America, Europe, Asia Pacific, Middle East and Africa, and South and Central America)**

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## **Abstracts**

The Spark Detection System Market size was valued US\$ 281.42 million in 2024 and is expected to reach US\$ 449.53 million by 2031; it is estimated to record a CAGR of 7.0% from 2025 to 2031.

The Spark Detection System Market is segmented into five major regions—North America, Europe, Asia Pacific (APAC), the Middle East & Africa (MEA), and South America. Brazil, Argentina, and Chile are among the major nations contributing to the spark detection system market in South and Central America. The growing number of fire incidences and increasing government support toward the adoption of spark detection systems are fueling the growth of the spark detection system market in the region. On February 8, 2025, a significant fire broke out at the Moove finished lubricant factory located on Governador Island in Brazil. This raised concerns among industries and the government about maintaining the safety of workers and factories. Spark detection systems are used to prevent fires and dust explosions. These systems are

particularly beneficial for industries such as oil & gas, chemical, wood, and mining that frequently handle and transport combustible materials. Industry uses spark detection systems to detect and eliminate ignition sources such as sparks or burning particles before they start a fire or explode. Hence, the expansion of oil & gas, chemical, wood, and mining industries that focus on workers' safety and demand for automatic detection systems are boosting the market growth in the region.

The expanding mining industry, growing demand for fire safety systems among mining firms, and favorable government initiatives toward the adoption of technologically advanced systems fuel the spark detection system market in Brazil. For instance, according to Global Business Reports data published by the Agency for the Development and Innovation of the Brazilian Mining Sector 2024 report, the mining sector in Brazil significantly expanded in 2024, owing to the G20 summit in Rio de Janeiro and the government's focus on hosting the Conference of the Parties (COP) 30 in 2025. These programs promote the adoption of sustainable solutions and create awareness related to the benefits of automation systems in the mining industry. Moreover, according to the Brazilian Mining Association (IBRAM), Brazil's mineral export reached US\$ 42.98 billion in 2023 by generating a revenue of US\$ 25.63 billion (R\$129.5 billion), an 8% increase compared to the first half of 2023. The rising export of minerals boosts mining activities and prompts mining companies to widen their exploration efforts. This trend increases the use of spark detection systems, which help mine operators detect sparks and monitor their operations.

Fagus-Gre Con Greten GmbH & Co. KG; Fire Shield Systems Ltd; Minimax GmbH; IEP Technologies, LLC; Firefly AB; Fike Corporation; ELECTRONIC WOOD SYSTEMS GMBH; Raille Limited; Blazequel; and BS&B Safety Systems, LLC are among the prominent players profiled in the Global Spark Detection System market report.

The overall Spark Detection System Market size has been derived using both primary and secondary sources. Exhaustive secondary research has been conducted using internal and external sources to obtain qualitative and quantitative information related to the Spark Detection System Market size. The process also helps obtain an overview and forecast of the market with respect to all the market segments. Also, multiple primary interviews have been conducted with industry participants to validate the data and gain analytical insights. This process includes industry experts such as VPs, business development managers, market intelligence managers, and national sales managers, along with external consultants such as valuation experts, research analysts, and key opinion leaders, specializing in the Spark Detection System Market.

## Reason to buy

Save and reduce time carrying out entry-level research by identifying the growth, size, leading players and segments in the global spark detection system 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 global spark detection system 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 global market trends and outlook coupled with the factors driving the 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 – Spark Detection System Market

Fagus-Gre Con Greten GmbH & Co. KG

Fire Shield Systems Ltd

Minimax GmbH

IEP Technologies, LLC

Firefly AB

Fike Corporation

ELECTRONIC WOOD SYSTEMS GMBH

Raille Limited

Blazequel

BS&B Safety Systems, LLC.

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