

Fire Protection Systems Market by Technology (Active, Passive), Product (Fire Detection (Sensors & Detectors, RFID), Fire Suppression (Fire Sprinklers, Fire Extinguishers), Fire Analysis, Fire Response), Service, Vertical - Global Forecast to 2022

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Abstracts

“Rise in technological advancements and innovations in equipment and networking, along with improvement and enhancement of various codes and standards, are fostering the growth of the fire protection systems market”

The fire protection systems market is expected to be worth USD 93.46 billion by 2022, growing at a CAGR of 9.7% between 2017 and 2022. The current marketplace is expected to be driven by increased fire-related expenditure of various enterprises, along with the rising trend of automation in commercial buildings and smart homes. In addition, improvement in the existing government regulations and mandates regarding fire protection systems are driving this market. Factors restraining the growth of the FPS market include the high implementation and maintenance costs of fire protection systems, and lack of integrity in system interfaces.

“Robust demand for fire suppression systems during the forecast period”

Several types of products for sensing, detecting, and suppressing the fire are available in the market, including wet-pipe sprinkler systems, dry-pipe sprinkler systems, pre-action sprinkler systems, and deluge sprinkler systems. The suppression systems also include various extinguishers such as CO₂, dry chemical, wet chemical, and water-based chemicals. The robust growth in infrastructure, utilities, and facilities is bringing in the need for a higher adoption of suppression systems across the globe.

“North America and Europe are the major markets for fire protection systems”

North America held the largest share of the fire protection systems market in 2016. Europe is one of the potential markets for fire protection systems globally. The market in Europe is expected to grow at the highest CAGR during the forecast period. The fire protection and safety regulations in this region are highly mandated. Therefore, most of the building structures are fixed with fire protection systems. The high growth of fire protection systems in Europe can be attributed to the stringent government mandate on installation of smoke detectors or smoke alarms in homes of European countries such as the UK, France, and Germany.

In the process of determining and verifying the market size for several segments and subsegments gathered through secondary research, extensive primary interviews have been conducted with key experts. The breakup of the profile of primary participants is given below:

By Company Type: Tier 1—42%, Tier 2—37%, and Tier 3—21%

By Designation: C-Level Executives—30%, Directors—33%, and Others—37%

By Region: North America—45%, Europe—26%, APAC—15%, and RoW—14%

The prominent players profiled in this report are Honeywell International Inc. (US), Robert Bosch GmbH (Germany), Siemens AG (Germany), Tyco International plc (Ireland), Johnson Controls (US), and United Technologies (US), among others.

Research Coverage:

The report provides a picture of the fire protection systems market. It aims at estimating the market size and future growth potential of this market across different segments such as product, service, vertical and geography. Furthermore, the report also includes the industry trends, market dynamics, regulation analysis, and competitive analysis of the key players in the market, along with their company profiles, vendor DIVE matrix, and recent developments.

Key Benefits of Buying the Report:

The report would help the market leaders/new entrants in this market by providing them

the closest approximations of the revenue numbers for the overall fire protection systems and the subsegments. This report would help stakeholders to better understand the competitor landscape and gain more insights to better position their businesses and make suitable go-to-market strategies. The report also helps the stakeholders to understand the pulse of the market and provides them information on key market drivers, restraints, challenges, and opportunities.

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*Top companies analyzed for this study are – Honeywell International Inc.; Siemens AG; Tyco International plc; Johnson Controls; Robert Bosch GmbH; United Technologies; Gentex Corporation ; Halma plc; Hochiki Corporation; VT MAK; Minimax Viking GmbH; Emerson Electric Co.; EMS Security Group Ltd; Firefly AB; NITIE (Nitin Fire Protection Industries Ltd); Micropack engineering Ltd; FLW Inc.; Schneider Electric; Eaton Corporation plc; National Fire Fighting Manufacturing Company (NAFFCO); Sterling Safety Systems; Amerex Corporation; Panasonic Corporation; Fike Corporation; Ceasefire Industries Pvt. Ltd

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About

Fire accidents cause damages that are irretrievable; they result in lost lives, assets, and resources. To avoid fire damages, fire alarms, sprinklers, and extinguishers are installed in buildings, which work as primary equipment in minimizing fire accidents, if occurred. The increased risk of fire accidents is driving the demand for the Fire Protection Systems (FPS) market globally. The FPS market has experienced continuous advancements in the fire protection technology. FPS manufacturers are investing significant amounts on R&D and are offering innovative and efficient fire protection products to customers.

The fire protection techniques take two forms, namely active and passive fire protection systems. The active fire protection systems produce a response in the event of a fire; for example, the fire detectors trigger fire alarms, sprinkler systems, and extinguishers in the event of fire. This means the active fire protection systems responds only after the event of fire has occurred. The passive fire protection systems are the structural fire protection and fire safety in buildings. This system is termed so because it is considered as an always “ON” system and does not require being made activated to prevent fire. PFP either acts as a fire blockade or slows down its spreading speed. It is achieved by creating fire-resisting walls, floors, and doors; systematic designing and assembling are also required along with the use of particular materials for fire prevention.

The fire protection market is segmented as per the fire protection products. It includes fire detection, fire management, fire analysis, and fire response products. The fire detection products' category comprises fire sensors or detectors, including flame detectors, smoke detectors, and heat detectors. The fire management products include control panels, interfaces, fire sprinklers, and fire extinguishers. Fire analysis is an important part of fire protection as it facilitates informed decisions, which lead to maximum efficiency. Fire analysis particularly takes two forms, namely fire mapping and analysis software as well as fire modeling and simulation software. Fire response systems are activated simultaneously with fire management systems so as to prevent fire quickly. They include emergency lighting, public alerts, secure communication, and fire alarm devices.

The fire disaster management systems include fire detection, prevention, and protection systems; any malfunctioning ensued in these systems may create a serious problem. The FPS market has been segmented into different services, namely engineering services, installation and design, service and maintenance, managed services, and

other services. The fire protection engineering services include understanding clients' fire protection needs and suggesting ways to avoid fire accidents. Fire protection systems designed are client specific, and they detect and respond to fire so that occupants' safety is ensured. Timely servicing and maintenance of fire protection systems is needed so as to ensure their functioning at the time of emergency. The service and maintenance services include inspections, testing, service and repairs of component, and monitoring of fire protection system and its component.

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