+357 96 030922
info@marketpublishers.com

Natural Disaster Management Market by Solution (Seismic Warning & Monitoring Systems, Flood Beacons, Lightning Detectors), Application (Volcano Detection, Forest Fire Detection, Landslide Detection, Earthquake Detection) - Global Forecast to 2029

https://marketpublishers.com/r/N9737E9304CBEN.html
Date: March 2025
Pages: 323
Price: US$ 4,950.00 (Single User License)
ID: N9737E9304CBEN

Abstracts

The Natural Disaster Management market is estimated to be USD 63.95 billion in 2024 to USD 114.04 billion in 2029 at a CAGR of 12.3% from 2024 to 2029. As global warming rapidly alters weather patterns and causes higher risks for flooding and storm surges on coastal people, natural hazards and climate disasters have been witnessing a heightened occurrence and increasing severity. Among their causes are climate change and the increased intensity of weather-related disasters, more intense floods, droughts, rising wildfires. Deforestation, along with unstructured urbanization and land use, raises the impact of such disasters and their vulnerability. Data across the globe depicts an alarming rate of increase in natural disasters during the past few decades with meteorological events getting more intense and more frequent. Thus, disaster management must urgently take up preventive interventions, such as early warning, climate change adaptation, and disaster-resilient infrastructure. In this way, governments, industries, and communities must come together to address the risk reduction and preparedness agenda to minimize the hit from the humanitarian effects of these disasters.

“During the forecast period, the Seismic Warning and Monitoring System contributed the largest market share in the natural disaster management market.”

In the natural disaster arena, seismic warning and monitoring solutions assume a significant function by offering early detection, real-time alerts, and impact assessments to save lives and reduce infrastructure damage. These systems use a combination of

+357 96 030922
info@marketpublishers.com

seismic sensors, accelerometers, and GPS monitoring to detect ground movement and characterize earthquake intensity. Advanced early warning systems utilize artificial intelligence (AI) and machine learning (ML), enabling real-time processing of seismic data to aid governments and businesses in taking preventive action to prevent power plants from going online or halting transportation networks before the severe shaking arrives. Large entities like the US Geological Survey (USGS), Japan Meteorological Agency (JMA), and private enterprises continually enhance such systems for enhanced earthquake resilience.

“The weather monitoring application segment is projected to register the highest CAGR during the forecast period.”

Predictive analytics, early warning systems, and real-time weather data can all be used to help manage natural catastrophes, including hurricanes, floods, wildfires, and storms. By combining satellite data, Internet of Things devices, and weather station feeds, this application provides users with real-time updates on temperature, humidity, wind speed, and precipitation. An artificial intelligence (AI)-based analytics system aids in forecasting weather extremes, enabling authorities to take the appropriate measures in advance. This emergency response coordination system is intended to speed up relief efforts and links local communities with the first responders and other government offices. The application has a citizen-reporting function that improves accuracy through local dissemination of weather conditions through images and videos.

'Asia Pacific will register the highest growth rate during the forecast period.”

The Asia-Pacific region is one of the world's most disaster-afflicted regions, with a high frequency and intensity of natural disasters like earthquakes, typhoons, tsunamis, floods, droughts, and wildfires. The region is set to undergo significant growth opportunities in the coming years, with countries such as India, China, Australia, and New Zealand expected to experience high growth rates. The region's governments are investing in advanced natural disaster solutions to reduce natural disaster problems. Urbanization, climate change, and geographical exposure are among the factors that fuel the rising frequency and intensity of these disasters, and hence disaster management is extremely important. Governments around the region have developed early warning systems, disaster risk reduction planning, and resilient infrastructure schemes in efforts to de-risk. Regional governments are supported by international organizations, such as the United Nations Office for Disaster Risk Reduction (UNDRR) and the Asian Development Bank (ADB), through funding, research, and technological solutions to build disaster resilience.

+357 96 030922
info@marketpublishers.com

Breakdown of primaries

The study contains insights from various industry experts, from solution vendors to Tier 1 companies. The break-up of the primaries is as follows:

By Company Type: Tier 1 – 35%, Tier 2 – 40%, and Tier 3 – 25%

By Designation: C-level Executives–60%, and Managers – 40%

By Region: North America – 30%, Europe – 35%, Asia Pacific – 25%, Latin America-5%, MEA- 5%

The major players in the Natural Disaster management market are NEC (Japan), Hexagon (Sweden), Nokia (Finland), Xylem (US), Esri (US), Everbridge (US), Blackberry (Canada), Vaisala (Finland), SAS Institute (US), SuperMap (China), Sadeem Technology (Saudi Arabia), Lumineye (US), Venti LLC (US), SimpliSafe (US), One Concern (US), Trinity Mobility (India), F24 (England), Alertus Technology (US), OroraTech (Germany), Dryad Networks (Germany), GeoSIG (Switzerland), Kinemetrics (US), Nanometrics (Canada), Sanlien Technology (China), Telegrafia (Slovakia), SeismicAI (Israel), and OTT HydroMet (Germany). These players have adopted various growth strategies, such as partnerships, agreements and collaborations, new product launches, product enhancements, and acquisitions to expand their footprint in the Natural Disaster management market.

Research Coverage

The market study covers the natural disaster management market size across different segments. It aims to estimate the market size and the growth potential across different segments, including components (hardware, solutions, and services), systems, areas of application, and regions. The study includes an in-depth competitive analysis of the leading market players, their company profiles, key observations related to product and business offerings, recent developments, and market strategies.

Key Benefits of Buying the Report

The report will help market leaders and new entrants with information on the closest approximations of the global natural disaster management market's revenue numbers

+357 96 030922
info@marketpublishers.com

and subsegments. It will also help stakeholders understand the competitive landscape and gain more insights to position their businesses better and plan suitable go-to-market strategies. Moreover, the report will provide insights for stakeholders to understand the market's pulse and provide them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

Analysis of key drivers (Escalating frequency and intensity of climate-related disasters, technological advancements in IoT and AI, Increased government and regulatory focus), restraints (Funding limitations in developing regions, Interoperability and data integration issues, Lack of skilled personnel and training), opportunities (Expansion of remote sensing and satellite technologies, Development of AI-Powered predictive analytics, Growth of public-private partnerships) and challenges (Cybersecurity vulnerabilities, Data privacy and ethical concerns, Rapid urbanization and natural land encroachment) influencing the growth of the Natural Disaster management market. Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the natural disaster management market. Market Development: Comprehensive information about lucrative markets – the report analyses the natural disaster management market across various regions. Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the natural disaster management market. Competitive Assessment: In-depth assessment of market shares, growth strategies, and service offerings of leading players NEC (Japan), Hexagon (Sweden), Nokia (Finland), Xylem (US), Esri (US), Everbridge (US), Blackberry (Canada), Vaisala (Finland), SAS (US), SuperMap (China), Sadeem Technology (Saudi Arabia), Lumineye (US), Venti LLC (US), SimpliSafe (US), One Concern (US), Trinity Mobility (India), F24 (England), Alertus Technology (US), OroraTech (Germany), Dryad Networks (Germany), GeoSIG (Switzerland), Kinemetrics (US), Nanometrics (Canada), Sanlien Technology (China), Telegrafia (Slovakia), SeismicAI (Israel), and OTT HydroMet (Germany).

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

7 NATURAL DISASTER MANAGEMENT MARKET, BY APPLICATION

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Natural Disaster Management Market by Solution (Seismic Warning & Monitoring Systems, Flood Beacons, Lightning Detectors), Application (Volcano Detection, Forest Fire Detection, Landslide Detection, Earthquake Detection) - Global Forecast to 2029

Product link: https://marketpublishers.com/r/N9737E9304CBEN.html

Price: US$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/N9737E9304CBEN.html