

Structural Health Monitoring Market Report: Trends, Forecast and Competitive Analysis to 2030

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Abstracts

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Structural Health Monitoring Trends and Forecast

The future of the global structural health monitoring market looks promising with opportunities in the civil infrastructure, aerospace & defense, energy and mining markets. The global structural health monitoring market is expected to reach an estimated \$4.4 billion by 2030 with a CAGR of 13.4% from 2024 to 2030. The major drivers for this market are growing importance of automated maintenance and repair of critical infrastructures, government efforts to standardize SHM systems and improve public safety are growing, and rapid growth within the infrastructure industry.

A more than 150-page report is developed to help in your business decisions. Sample figures with some insights are shown below.

Structural Health Monitoring by Segment

The study includes a forecast for the global structural health monitoring by offering, technology, end use, and region.

Structural Health Monitoring Market by Offering [Shipment Analysis by Value from 2018 to 2030]:

Hardware

Software & Services

Structural Health Monitoring Market by Technology [Shipment Analysis by Value from 2018 to 2030]:

Wired

Wireless

Structural Health Monitoring Market by End Use [Shipment Analysis by Value from 2018 to 2030]:

Civil Infrastructure

Aerospace & Defense

Energy

Mining

Others

Structural Health Monitoring Market by Region [Shipment Analysis by Value from 2018 to 2030]:

North America

Europe

Asia Pacific

The Rest of the World

List of Structural Health Monitoring Companies

Companies in the market compete on the basis of product quality offered. Major players

in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies structural health monitoring companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the structural health monitoring companies profiled in this report include-

Nova Metrix

GEOKON

Campbell Scientific

COWI

Geocomp

Acellent Technologies

Sixense

Pure Technologies

Structural Monitoring Systems

Digitexx

Structural Health Monitoring Market Insights

Lucintel forecasts that wired will remain the larger segment over the forecast period due to less data loss, faster speed of operation, no limit on the range of transmission and a higher system bandwidth.

North America is expected to witness highest growth over the forecast period due to significant market participants' presence in the biggest consumer market with the highest GDP, as well as, rise in technological advancement in the United States.

Features of the Global Structural Health Monitoring Market

Market Size Estimates: Structural health monitoring market size estimation in terms of value (\$B).

Trend and Forecast Analysis: Market trends (2018 to 2023) and forecast (2024 to 2030) by various segments and regions.

Segmentation Analysis: Structural health monitoring market size by offering, technology, end use, and region in terms of value (\$B).

Regional Analysis: Structural health monitoring market breakdown by North America, Europe, Asia Pacific, and Rest of the World.

Growth Opportunities: Analysis of growth opportunities in different offering, technology, end use, and regions for the structural health monitoring market.

Strategic Analysis: This includes M&A, new product development, and competitive landscape of the structural health monitoring market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model.

FAQ

Q1. What is the structural health monitoring market size?

Answer: The global structural health monitoring market is expected to reach an estimated \$4.4 billion by 2030.

Q2. What is the growth forecast for structural health monitoring market?

Answer: The global structural health monitoring market is expected to grow with a CAGR of 13.4% from 2024 to 2030.

Q3. What are the major drivers influencing the growth of the structural health monitoring market?

Answer: The major drivers for this market are growing importance of automated maintenance and repair of critical infrastructures, government efforts to standardize SHM systems and improve public safety are growing, and rapid growth within the

infrastructure industry.

Q4. What are the major segments for structural health monitoring market?

Answer: The future of the global structural health monitoring market looks promising with opportunities in the civil infrastructure, aerospace & defense, energy and mining markets.

Q5. Who are the key structural health monitoring market companies?

Answer: Some of the key structural health monitoring companies are as follows:

Nova Metrix

GEOKON

Campbell Scientific

COWI

Geocomp

Acellent Technologies

Sixense

Pure Technologies

Structural Monitoring Systems

Digitexx

Q6. Which structural health monitoring market segment will be the largest in future?

Answer: Lucintel forecasts that wired will remain the larger segment over the forecast period due to less data loss, faster speed of operation, no limit on the range of transmission and a higher system bandwidth.

Q7. In structural health monitoring market, which region is expected to be the largest in next 5 years?

Answer: North America is expected to witness highest growth over the forecast period due to significant market participants' presence in the biggest consumer market with the highest GDP, as well as, rise in technological advancement in the United States.

Q8. Do we receive customization in this report?

Answer: Yes, Lucintel provides 10% customization without any additional cost.

This report answers following 11 key questions:

Q.1. What are some of the most promising, high-growth opportunities for the structural health monitoring market by offering (hardware and software & services), technology (wired and wireless), end use (civil infrastructure, aerospace & defense, energy, mining, and others), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q.2. Which segments will grow at a faster pace and why?

Q.3. Which region will grow at a faster pace and why?

Q.4. What are the key factors affecting market dynamics? What are the key challenges and business risks in this market?

Q.5. What are the business risks and competitive threats in this market?

Q.6. What are the emerging trends in this market and the reasons behind them?

Q.7. What are some of the changing demands of customers in the market?

Q.8. What are the new developments in the market? Which companies are leading these developments?

Q.9. Who are the major players in this market? What strategic initiatives are key players pursuing for business growth?

Q.10. What are some of the competing products in this market and how big of a threat

do they pose for loss of market share by material or product substitution?

Q.11. What M&A activity has occurred in the last 5 years and what has its impact been on the industry?

For any questions related to Structural Health Monitoring Market, Structural Health Monitoring Market Size, Structural Health Monitoring Market Growth, Structural Health Monitoring Market Analysis, Structural Health Monitoring Market Report, Structural Health Monitoring Market Share, Structural Health Monitoring Market Trends, Structural Health Monitoring Market Forecast, Structural Health Monitoring Companies, write Lucintel analyst at email: helpdesk@lucintel.com. We will be glad to get back to you soon.

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