

# Infrastructure Monitoring Market Report: Trends, Forecast and Competitive Analysis to 2030

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## Abstracts

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### Infrastructure Monitoring Trends and Forecast

The future of the global infrastructure monitoring market looks promising with opportunities in the oil & gas, manufacturing, aerospace and defense, construction, automotive, and power generation sectors. The global infrastructure monitoring market is expected to reach an estimated \$17.4 billion by 2030 with a CAGR of 12.1% from 2024 to 2030. The major drivers for this market are increasing usage of automated monitoring and inspection techniques in smart city infrastructures, expanding smart sensor use for remote monitoring of critical infrastructure ,and rising preference for ground-penetrating radar (GPR) for bridge, tunnel, and roadway investigations.

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

### Infrastructure Monitoring by Segment

The study includes a forecast for the global infrastructure monitoring by component, technology, application, end use industry, and region

Infrastructure Monitoring Market by Component [Shipment Analysis by Value from 2018 to 2030]:

Hardware

Software

Services

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

Wired

Wireless

Infrastructure Monitoring Market by Application [Shipment Analysis by Value from 2018 to 2030]:

Corrosion Monitoring

Crack Detection

Damage Detection

Vibration Monitoring

Thermal Monitoring

Multimodal Sensing

Strain Monitoring

Others

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

North America

Europe

Asia Pacific

The Rest of the World

## List of Infrastructure 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 infrastructure monitoring companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the infrastructure monitoring companies profiled in this report include-

Acellent Technologies

Parker Hannifin

Siemens

Emerson Electric

Digitex Systems

General Electric

Campbell Scientific

National Instruments

Honeywell

Rockwell Automation

## Infrastructure Monitoring Market Insights

Lucintel forecast that vibration monitoring is expected to witness highest growth over the forecast period due to its significant use in buildings to examine structural dynamics, identify potential stability concerns, and determine the impact of vibrations on the entire infrastructure's performance.

Power generation will remain the largest segment due to expanding use of infrastructure monitoring tools for proactive and timely repair of energy sector assets and growing need for remote maintenance in both onshore and offshore systems.

North America is expected to witness highest growth over the forecast period due to significant demand for infrastructure monitoring systems in oil & gas and power transmission & distribution facilities, existence of reliable infrastructures, and presence of key players in the region.

Features of the Global Infrastructure Monitoring Market

Market Size Estimates: Infrastructure 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: Infrastructure monitoring market size by various segments, such as by component, technology, application, end use industry, and region in terms of value (\$B).

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

Growth Opportunities: Analysis of growth opportunities in different component, technology, application, end use industry, and region for the infrastructure monitoring market.

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

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

FAQ

Q.1 What is the infrastructure monitoring market size?

Answer: The global infrastructure monitoring market is expected to reach an estimated \$17.4 billion by 2030.

Q.2 What is the growth forecast for infrastructure monitoring market?

Answer: The global infrastructure monitoring market is expected to grow with a CAGR of 12.1% from 2024 to 2030

Q.3 What are the major drivers influencing the growth of the infrastructure monitoring market?

Answer: The major drivers for this market are increasing usage of automated monitoring and inspection techniques in smart city infrastructures, expanding smart sensor use for remote monitoring of critical infrastructure, and rising preference for ground-penetrating radar (GPR) for bridge, tunnel, and roadway investigations.

Q4. What are the major segments for infrastructure monitoring market?

Answer: The future of the infrastructure monitoring market looks promising with opportunities in the oil & gas, manufacturing, aerospace and defense, construction, automotive, and power generation sectors.

Q5. Who are the key infrastructure monitoring market companies?

Answer: Some of the key infrastructure monitoring companies are as follows:

Acellent Technologies

Parker Hannifin

Siemens

Emerson Electric

Digitex Systems

General Electric

Campbell Scientific

National Instruments

Honeywell

Rockwell Automation

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

Answer: Lucintel forecast that vibration monitoring is expected to witness highest growth over the forecast period due to its significant use in buildings to examine structural dynamics, identify potential stability concerns, and determine the impact of vibrations on the entire infrastructure's performance.

Q7. In infrastructure 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 demand for infrastructure monitoring systems in oil & gas and power transmission & distribution facilities, existence of reliable infrastructures, and presence of key players in the region.

Q.8 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 infrastructure monitoring market by component (hardware, software, and services), technology (wired and wireless), application (corrosion monitoring, crack detection, damage detection, vibration monitoring, thermal monitoring, multimodal sensing, strain monitoring, and others), end use industry (oil & gas, manufacturing, aerospace and defense, construction, automotive, power generation, 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 infrastructure monitoring market or related to infrastructure monitoring companies, infrastructure monitoring market size, infrastructure monitoring market share, infrastructure monitoring market growth, infrastructure monitoring market research, write Lucintel analyst at email: [helpdesk@lucintel.com](mailto:helpdesk@lucintel.com) we will be glad to get back to you soon.

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