

2020-2025 Global Structural Health Monitoring Systems Market Report - Production and Consumption Professional Analysis (Impact of COVID-19)

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Abstracts

Structural health monitoring (SHM) refers to the process of implementing a damage detection and characterization strategy for engineering structures. Here damage is defined as changes to the material and/or geometric properties of a structural system, including changes to the boundary conditions and system connectivity, which adversely affect the system's performance. The SHM process involves the observation of a system over time using periodically sampled dynamic response measurements from an array of sensors, the extraction of damage-sensitive features from these measurements, and the statistical analysis of these features to determine the current state of system health.

This report elaborates the market size, market characteristics, and market growth of the Structural Health Monitoring Systems industry, and breaks down according to the type, application, and consumption area of Structural Health Monitoring Systems. The report also conducted a PESTEL analysis of the industry to study the main influencing factors and entry barriers of the industry.

In Chapter 3.4 of the report, the impact of the COVID-19 outbreak on the industry was fully assessed. Fully risk assessment and industry recommendations were made for Structural Health Monitoring Systems in a special period. This chapter also compares the markets of Pre COVID-19 and Post COVID-19.

In addition, chapters 8-12 consider the impact of COVID-19 on the regional economy.

Key players in the global Structural Health Monitoring Systems market covered in Chapter 13:

Advitam
Nova Metrix LLC
Kinematics
Digitexx Data Systems
Campbell Scientific
National Instruments
Geokon
Geocomp
Digitexx
Acellent Technologies

In Chapter 6, on the basis of types, the Structural Health Monitoring Systems market from 2015 to 2025 is primarily split into:

Hardware
Software
Services

In Chapter 7, on the basis of applications, the Structural Health Monitoring Systems market from 2015 to 2025 covers:

Bridges & Dams
Building & Stadiums
Vessels & Platforms
Airframes & Wind Turbines
Large Machines & Equipment

Geographically, the detailed analysis of production, trade of the following countries is covered in Chapter 4.2, 5:

United States
Europe
China
Japan
India

Geographically, the detailed analysis of consumption, revenue, market share and growth rate of the following regions are covered in Chapter 8, 9, 10, 11, 12:

North America (Covered in Chapter 8)
United States
Canada
Mexico

Europe (Covered in Chapter 9)

Germany

UK

France

Italy

Spain

Others

Asia-Pacific (Covered in Chapter 10)

China

Japan

India

South Korea

Southeast Asia

Others

Middle East and Africa (Covered in Chapter 11)

Saudi Arabia

UAE

South Africa

Others

South America (Covered in Chapter 12)

Brazil

Others

Years considered for this report:

Historical Years: 2015-2019

Base Year: 2019

Estimated Year: 2020

Forecast Period: 2020-2025

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