Description: Structural health monitoring (SHM) is a system that provides in-time and accurate information regarding performance and condition of structures. Information from SHM systems aid in planning and designing maintenance activity, thereby increase safety, reduce uncertainty, and lowers operating expenses. SHM can be used in physical structure such as bridges, dams, tunnels, buildings, stadiums, and others.

Globally, civil infrastructure is facing aging problem as most of the civil infrastructure such as bridges, dams, and others were built after the World War II (WWII). This infrastructure requires the proper inspection and monitoring, which shall act as a driving factor for the growth of SHM market. Similarly, the government support for research and development in the field of SHM and rising importance of accessing the impact of extreme weather conditions on the civil infrastructure foster the growth of the SHM market. High SHM cost and alternate method for monitoring are acting as restraining factors in the growth of SHM.

The Structural health monitoring market is expected to be worth USD 1.89 Billion by 2020, at a CAGR of 24.7% between 2015 and 2020. Bridges are leading the SHM market. Advitam Inc. (France), COWI A/S (Denmark), Digitexx Data Systems, Inc. (U.S.), Geocomp Corp. (U.S.), Geokon, Inc. (U.S.), GeoSig Ltd. (Switzerland), Hottinger Baldwin Messtechnik GmbH (Germany), Nova Metrix LLC, (U.S.), SODIS LAB (Russian Federation), and Strainstall UK Limited (U.K.) are the players of the SHM market.

This report describes the value chain for the SHM sensor market by considering all the major stakeholders in the market and their roles in the analysis. The report also provides a detailed study of the Porter's five forces analysis of the same market. All five major factors in these markets have been quantified by using the internal key parameters and also governing each of them. It covers a brief description of the major players that are active in the SHM market and also covers the competitive landscape of these players, including their key growth strategies and recent developments.

The report covers the market data and information regarding the market drivers, trends, and opportunities, key players, and competitive outlook. This report also provides tables which provide data about the various subsegments. In addition, it profiles major companies involved in the SHM market, which include their overview, products and services, financials, strategies, SWOT analysis, and recent developments.

Scope of the Report

This research report categorizes the Structural health monitoring market, based on technology, solution type, application, and geography.

Based on Technology

The Structural health monitoring market has been segmented on the basis of technology which includes wired and wireless SHM technology.

Based on Solution Type

The SHM market has been also segmented based on solution type into two subsegments, namely, Hardware and software & services.

Based on Application

SHM market has been segmented on the basis of application such as bridges, dams, tunnels, buildings, stadiums, and others.

Based on Geography

Geographically, the SHM market has been segmented into North America (U.S., Canada, and Mexico), Europe (Germany, the U.K., France, and others), APAC (China, Japan, Singapore, South Korea, and others),
and the Rest of the World (Australia, Africa, the Middle East, and others).

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