Structural Health Monitoring Market: By Technology (Wired, & Wireless), By Solution (Hardware, & Software & Services), By End-User (Bridges, Dams, Tunnels, Buildings, Stadiums, & Others), & By Region-Forecast (2014-2021)

Description:
Structural Health Monitoring (SHM) is a tool that enables engineers to improve the safety and maintainability of crucial structure. There are a range of sensing technologies which are combined with embedded measurement controllers to process and analyse real-time data. The fundamental function performed by SHM is monitoring and testing the health and performance of structures which include bridges, dams, buildings, stadiums, large machinery and equipment. SHM implements damage identification strategy for various structures which assists to avoid any future damage. SHM is also used to measure stress on wind turbine blades, and temperature and stress monitoring on rails. It also finds application in implanted sensors in concrete, wood and steel for the monitoring of infrastructure. Additionally, in the medical sector it is used for precision stress monitoring on bone implants and prosthesis.

There are various structures worldwide which are more than 100 years old and are declared as national or international heritage structures. These structures are attracting people from all corners of the world, increasing the profits of that country. Structures such as Taj Mahal, Eiffel Tower are the icons of India and France, respectively. Countries are giving more importance to such infrastructure for prolonging the life of heritage structures.

This report identifies the global structural health monitoring market size in for the year 2014-2016 and forecast of the same for year 2021. It also highlights the potential growth opportunities in the coming years, while also reviewing the market drivers, restraints, growth indicators, challenges, market dynamics, competitive landscape, and other key aspects with respect to structural health monitoring market.

Geographically North America and Western Europe dominated the global structural health monitoring market, due to high technological advancement and awareness. Asia Pacific is projected to have the fastest growth, owing to increasing support and initiatives by the countries in APAC region.

This report segments global structural health monitoring market on the basis of technology, solution, end-user, and regional market as follows:

- Structural Health Monitoring Market, By Technology: Wired, and Wireless
- Structural Health Monitoring Market, By Solution: Hardware, and Software & Services
- The report has focused study on structural health monitoring market by end-user: Bridges, Dams, Tunnels, Buildings, Stadiums, and Others
- This is report has been further segmented into major regions, which includes detailed analysis of each region such as: North America, Europe, Asia-Pacific (APAC), and Rest of the World (RoW) covering all the major country level markets in each of the region

This report identifies all the major companies operating in the structural health monitoring market. Some of the major companies’ profiles in detail are as follows:
- Advitam, Inc.
- COWI A/S
- Digitexx Data Systems, Inc.
- Geocomp Corp.
- Geokon, Inc.

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