Smart Surfaces Market - Global Industry Analysis, Size, Share, Growth, Trends and Forecast 2015 - 2021

Description:

“This market research study analyzes the smart surfaces market on a global level, and provides estimates in terms of revenue (USD million) from 2015 to 2021. It identifies the drivers and restraints affecting the industry and analyzes their impact over the forecast period. Moreover, it highlights the significant opportunities for market growth in the next six years.

The market is segmented on the basis of geography into North America, Europe, Asia Pacific (APAC), and Rest of the World (RoW) and these segments have been estimated in terms of revenue (USD million). In addition, the report has been segmented based on the basis of applications, which includes construction, energy, transportation, medical and healthcare, electronics, military and security, and Others. The medical and healthcare segment has been further segmented into antimicrobial smart surfaces, drug delivery surfaces and others. By material type, the smart surfaces market has been segmented into self healing materials, self cleaning materials, self assembling materials and others. All these segments have also been estimated on the basis of geography in terms of revenue (USD million).

Smart surfaces market is expected to experience substantial growth throughout the forecast period. Smart surfaces is a new technology and has huge growth opportunities across all the application sectors. The smart surfaces finds application across construction, energy, transportation, medical and healthcare, electronics, military and security and others. Increasing demand for self cleaning materials across construction utilities is one of the major factors fueling the demand for smart surfaces in the construction sector. Moreover, in the automotive sector demand for better smart windows and windshields is also expected to have a positive impact on the demand for smart surfaces in the automotive sector.

Moreover, huge amount of investments are being made in order to develop mats and seat covers which do not get dirty and can be cleaned easily in order to meet changing customer requirements. Moreover, increasing demand for anti-microbial surfaces in the medical and healthcare sector is also expected to have a positive impact on the demand for smart surfaces in the medical and healthcare sector. Moreover, in the energy sector increasing demand for renewable energy sources is also expected to have a positive impact on the demand for smart solar panels globally. Owing to these factors, the smart surfaces market is expected to experience substantial growth throughout the forecast period.

Increasing demand for anti-microbial surfaces in the medical and healthcare sector is one of the major factors fueling the demand for smart surfaces globally. With increasing health awareness the demand for antimicrobial surfaces in medical and healthcare sector has increased considerably in the recent past. Antimicrobial coatings are used in order to prevent the growth of microorganisms including bacteria, parasites, fungi and other germs. However, with presence of large number of regulations regarding the usage of materials as coatings companies are making huge amount of investments in research and development activities to develop coatings complying with regulations.

Increasing demand for smart windshields is also expected to have a positive impact on the demand for smart surfaces. Changing consumer preference and demand for better in car facilities are some of the major factors fueling the demand for smart surfaces in the automotive sector. In addition, increasing focus on driver safety is also fueling the demand for smart windshields in the automotive sector.

However, absence of unified solution is expected to restrain the demand for smart surfaces during the forecast period. Smart surfaces are manufactured by number of companies ranging from large scale companies such as 3M, BASF and ATFI among others and small scale companies such as SLIPS Technologies, nanoShell and Sunpartner among others. However, each of these companies manufactures products which are specific to a particular application industry. However, demand for unified solutions which can be used across two or more application sectors, have increased considerably. The companies are striving to develop products which satisfy the customer requirements.

For better understanding of the smart surfaces market, we have provided a detailed analysis of the value chain. Furthermore, the study comprises market attractiveness analysis, where the applications are benchmarked based on their market scope, growth rate and market attractiveness. In addition, the report also includes the drivers, restraints and opportunities (DROs) which will help in strategic decision making of the companies across the value chain of smart surfaces market.
The report also provides company market share analysis of the various industry participants. Key players have been profiled and their company overview, financial overview, business strategies and recent developments have been covered in the report. Major market participants profiled in this report include HzO, Inc., 3M Company, SLIPS Technologies, Inc., Nanotrons Corporation, P2i Ltd., Debiotech S.A., Clariant, The Dow Chemical Company, nanoShell Ltd. and Gentex Corporation.

The global smart surfaces market is segmented as:
- Global Smart Surfaces Market: By Application
  - Construction
  - Energy
  - Transportation
  - Medical and Healthcare
  - Antimicrobial Smart Surfaces
  - Drug Delivery Surfaces
  - Others
  - Electronics
  - Military and Security
  - Others

- Global Smart Surfaces Market: By Material
  - Self-healing Materials
  - Self-cleaning Materials
  - Self-assembling Materials
  - Others

- Global Smart Surfaces Market: By geography
  - North America
    - U.S.
    - Rest of North America
  - Europe
    - U.K.
    - Germany
    - France
    - Rest of Europe
  - Asia Pacific
    - China
    - Japan
    - Rest of Asia Pacific
  - Rest of the World
  - Latin America
    - Middle East
    - Africa

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