+44 20 8123 2220
info@marketpublishers.com

Smart Structures in the Construction Industry: A Market and Technology Forecast – 2016 to 2025

https://marketpublishers.com/r/S3CED9F146FEN.html
Date: February 2016
Pages: 0
Price: US$ 3,995.00 (Single User License)
ID: S3CED9F146FEN

Abstracts

n-tech believes that the market for smart structures in buildings, bridges and tunnels is about to take off as new business cases for deployment of smart structures begin to appear. Traditionally smart structures have been used to provide disaster avoidance, especially through the use of structural health monitoring (SHM) systems; themselves a rapidly growing market. However, we are now seeing the functionality of smart structures expand to include improving enhanced energy efficiency, lowering the cost of construction, increasing the lifespan of the building and even improving the aesthetics of the building.

These new developments fit in very well with the current buzz about the Internet-of-Things (IoT) and smart cities and we believe this megatrend will help boost the prospects for smart structures in the construction industry worldwide. As a result we expect to see important new revenue generation potential for suppliers of smart materials, building materials firms, SHM system suppliers, energy companies and the construction firms themselves.

About the Report:

This report pinpoints the opportunities for smart structures in the construction industry and quantifies them in form of ten-year volume and value forecasts. These forecasts include breakouts by type of technology, materials, and components used. And while the current focus of smart structures is on large prestige buildings, this report also discusses how current technology trends will bring the benefits of smart structures down to smaller buildings and residential construction.

The forecasts in this report are also segmented by the geographical location of the

+44 20 8123 2220
info@marketpublishers.com

building in which the smart structures are used – all construction is local and the forecasting models used here are designed to map smart building activities in specific countries and regions into our projections. For example, we have specifically taken account of activity in the Middle East in this report, because so many smart buildings are being constructed in this region at the present time with smart structures inside.

The analysis in this report ranges over the complete value chain and covers materials, components and final products. Our intent is to provide a technological roadmap for smart structures in the construction, showing how they can create value by enhancing the safety, energy efficiency, aesthetics, and lifetimes of buildings. This roadmap analyzes the revenue generation potential for smart structures in buildings ranging from existing products such as smart windows and SHM systems, through the latest self-cleaning walls to future smart skins using the most advanced smart materials.

Finally, this report examines the product market strategies of leading suppliers active in this space. This analysis includes both the largest firms playing at the international level and interesting new startups. We also examine where the funding for these companies is coming including a look at important government funding for smart structure deployment in the construction industry.

This study is part of n-tech's ongoing and expanding program of analysis of smart materials markets. Previous reports have covered self-healing materials, self-cleaning materials, color-shifting materials, smart coatings, smart surfaces, smart composites, smart windows, etc. The goal of n-tech smart materials program is to identify where the money will be made in smart materials and to set out realistic product market strategies for smart materials that make sense in today's economy.

+44 20 8123 2220
info@marketpublishers.com

Contents

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

ACRONYMS AND ABBREVIATIONS USED IN THIS REPORT

+44 20 8123 2220
info@marketpublishers.com

About

ABOUT THE AUTHOR

+44 20 8123 2220
info@marketpublishers.com

I would like to order

Product name: Smart Structures in the Construction Industry: A Market and Technology Forecast – 2016 to 2025

Product link: https://marketpublishers.com/r/S3CED9F146FEN.html

Price: US$ 3,995.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/S3CED9F146FEN.html

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

**All fields are required

Custumer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at https://marketpublishers.com/docs/terms.html

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

+44 20 8123 2220
info@marketpublishers.com