

# North America Smart Materials Market Analysis (2017-2023)

<https://marketpublishers.com/r/N28D17625BEEN.html>

Date: November 2017

Pages: 66

Price: US\$ 1,500.00 (Single User License)

ID: N28D17625BEEN

## Abstracts

The North America Smart Materials Market would witness market growth of 11.5% CAGR during the forecast period (2017 – 2023). Smart materials exhibit responsiveness in a controlled manner in environments that change. With a unique molecular structure, smart materials respond to a wide array of external stimuli such as electric fields, magnetic fields, pressure, temperature, moisture, and chemicals. Growing preferences for automated and high-end machines and gadgets by the modern customers have driven the demand for piezoelectric devices. The need to promote the use of non-conventional energy sources have further contributed to the demand for piezoelectric devices. Reliability and cost-effectiveness are the major factors that have led to the adoption of these devices in various industrial.

Based on Application, the market report segments the market into Actuators & Motors, Transducers, Sensors, Structural Materials, and Others. Based on Products, the North America Smart Materials Market segments the market into Piezoelectric Materials, Shape Memory Materials, Phase Change Materials, Magnetostrictive Materials, Electrochromic Materials, Electrostrictive Materials, and Others. Based on Countries, the North America Smart Materials Market segments the market into US, Mexico, Canada, and Rest of North America.

The market research report covers the analysis of key stake holders of the North America Smart Materials Market. Key companies profiled in the report include CeramTec, Kyocera Corporation, LORD Corporation, Ametek Corporation (Fine Tubes Ltd.), TDK Corporation, Smart Material Corporation, CTS Corporation (Noliac A/S), APC International, Ltd., Piezo Kinetics, Inc., and Harris Corporation.

## Contents

### **CHAPTER 1. MARKET SCOPE & METHODOLOGY**

- 1.1 Market Definition
- 1.2 Objectives
- 1.3 Market Scope
- 1.4 Segmentation
  - 1.4.1 North America Smart Materials Market, by Application
  - 1.4.2 North America Smart Materials Market, by Products
  - 1.4.3 North America Smart Materials Market, by Country
- 1.5 Methodology for the research

### **CHAPTER 2. MARKET OVERVIEW**

- 2.1 Introduction
- 2.2 Drivers, and Restraints
  - 2.2.1 Market Drivers
  - 2.2.2 Market Restraints

### **CHAPTER 3. NORTH AMERICA SMART MATERIALS MARKET**

- 3.1 North America Smart Materials Market by Application
  - 3.1.1 North America Actuators & Motors Smart Materials Market by Country
  - 3.1.2 North America Transducers Smart Materials Market by Country
  - 3.1.3 North America Sensors Smart Materials Market by Country
  - 3.1.4 North America Structural Smart Materials Market by Country
  - 3.1.5 North America Smart Materials in Other Application Market by Country

### **CHAPTER 4. NORTH AMERICA SMART MATERIALS MARKET BY PRODUCTS**

- 4.1 Introduction
  - 4.1.1 North America Piezoelectric Smart Materials Market by Country
  - 4.1.2 North America Shape Memory Smart Materials Market by Country
  - 4.1.3 North America Phase Change Memory Smart Materials Market by Country
  - 4.1.4 North America Magnetostrictive Smart Materials Market by Country
  - 4.1.5 North America Electrochromic Smart Materials Market by Country
  - 4.1.6 North America Electrostrictive Smart Materials Market by Country
  - 4.1.7 North America Other Smart Materials Market by Country

## **CHAPTER 5. NORTH AMERICA SMART MATERIALS MARKET BY COUNTRY**

### 5.1 Introduction

### 5.2 US Smart Materials Market

#### 5.2.1 US Smart Materials Market by Application

#### 5.2.2 US Smart Materials Market by Products

### 5.3 Canada Smart Materials Market

#### 5.3.1 Canada Smart Materials Market by Application

#### 5.3.2 Canada Smart Materials Market by Products

### 5.4 Mexico Smart Materials Market

#### 5.4.1 Mexico Smart Materials Market by Application

#### 5.4.2 Mexico Smart Materials Market by Products

### 5.5 Rest of North America Smart Materials Market

#### 5.5.1 Rest of North America Smart Materials Market by Application

#### 5.5.2 Rest of North America Smart Materials Market by Products

## **CHAPTER 6. COMPANY PROFILES**

### 6.1 Kyocera Corporation

#### 6.1.1 Company Overview

#### 6.1.2 Financial Analysis

#### 6.1.3 Segmental and Regional Analysis

#### 6.1.4 Research & Development Expense

#### 6.1.5 Strategies at a Glance

##### 6.1.5.1 Mergers & Acquisitions

##### 6.1.5.2 Partnerships, Collaborations, Agreements

### 6.2 Harris Corporation

#### 6.2.1 Company Overview

#### 6.2.2 Financial Analysis

#### 6.2.3 Regional Analysis

#### 6.2.4 Research & Development Expense

### 6.3 CeramTec

#### 6.3.1 Company Overview

#### 6.3.2 Financial Analysis

#### 6.3.3 Segmental and Regional Analysis

#### 6.3.4 Research & Development Expense

### 6.4 LORD Corporation

#### 6.4.1 Company Overview

- 6.4.2 Strategies at a Glance
  - 6.4.2.1 Product Launch
  - 6.4.2.2 Partnerships, Collaborations, Agreements
  - 6.4.2.3 Mergers & Acquisitions
- 6.5 Ametek Corporation (Fine Tubes Ltd.)
  - 6.5.1 Company Overview
  - 6.5.2 Financial Analysis
  - 6.5.3 Segmental and Regional Analysis
  - 6.5.4 Research & Development Expense
- 6.6 TDK Corporation
  - 6.6.1 Company Overview
  - 6.6.2 Financial Analysis
  - 6.6.3 Segmental and Regional Analysis
  - 6.6.4 Research & Development Expense
- 6.7 Smart Material Corporation
  - 6.7.1 Company Overview
- 6.8 CTS Corporation (Noliac A/S)
  - 6.8.1 Company Overview
  - 6.8.2 Financial Analysis
  - 6.8.3 Regional Analysis
  - 6.8.4 Research & Development Expense
- 6.9 APC International, Ltd.
  - 6.9.1 Company Overview
- 6.1 Piezo Kinetics, Inc.
  - 6.10.1 Company Overview

## List Of Tables

### LIST OF TABLES

TABLE 1 NORTH AMERICA SMART MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 2 NORTH AMERICA SMART MATERIALS MARKET, 2017 - 2023, USD MILLION

TABLE 3 NORTH AMERICA SMART MATERIALS MARKET BY APPLICATION, 2013 - 2016, USD MILLION

TABLE 4 NORTH AMERICA SMART MATERIALS MARKET BY APPLICATION, 2017 - 2023, USD MILLION

TABLE 5 NORTH AMERICA ACTUATORS & MOTORS SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 6 NORTH AMERICA ACTUATORS & MOTORS SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 7 NORTH AMERICA TRANSDUCERS SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 8 NORTH AMERICA TRANSDUCERS SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 9 NORTH AMERICA SENSORS SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 10 NORTH AMERICA SENSORS SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 11 NORTH AMERICA STRUCTURAL SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 12 NORTH AMERICA STRUCTURAL SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 13 NORTH AMERICA SMART MATERIALS IN OTHER APPLICATION MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 14 NORTH AMERICA SMART MATERIALS IN OTHER APPLICATION MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 15 NORTH AMERICA SMART MATERIALS MARKET BY PRODUCTS, 2013 - 2016, USD MILLION

TABLE 16 NORTH AMERICA SMART MATERIALS MARKET BY PRODUCTS, 2017 - 2023, USD MILLION

TABLE 17 NORTH AMERICA PIEZOELECTRIC SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 18 NORTH AMERICA PIEZOELECTRIC SMART MATERIALS MARKET BY

COUNTRY, 2017 - 2023, USD MILLION

TABLE 19 NORTH AMERICA SHAPE MEMORY SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 20 NORTH AMERICA SHAPE MEMORY SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 21 NORTH AMERICA PHASE CHANGE MEMORY SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 22 NORTH AMERICA PHASE CHANGE MEMORY SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 23 NORTH AMERICA MAGNETOSTRICTIVE SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 24 NORTH AMERICA MAGNETOSTRICTIVE SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 25 NORTH AMERICA ELECTROCHROMIC SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 26 NORTH AMERICA ELECTROCHROMIC SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 27 NORTH AMERICA ELECTROSTRICTIVE SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 28 NORTH AMERICA ELECTROSTRICTIVE SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 29 NORTH AMERICA OTHER SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 30 NORTH AMERICA OTHER SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 31 NORTH AMERICA SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 32 NORTH AMERICA SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 33 US SMART MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 34 US SMART MATERIALS MARKET, 2017 - 2023, USD MILLION

TABLE 35 US SMART MATERIALS MARKET BY APPLICATION, 2013 - 2016, USD MILLION

TABLE 36 US SMART MATERIALS MARKET BY APPLICATION, 2017 - 2023, USD MILLION

TABLE 37 US SMART MATERIALS MARKET BY PRODUCTS, 2013 - 2016, USD MILLION

TABLE 38 US SMART MATERIALS MARKET BY PRODUCTS, 2017 - 2023, USD MILLION

TABLE 39 CANADA SMART MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 40 CANADA SMART MATERIALS MARKET, 2017 - 2023, USD MILLION

TABLE 41 CANADA SMART MATERIALS MARKET BY APPLICATION, 2013 - 2016,  
USD MILLION

TABLE 42 CANADA SMART MATERIALS MARKET BY APPLICATION, 2017 - 2023,  
USD MILLION

TABLE 43 CANADA SMART MATERIALS MARKET BY PRODUCTS, 2013 - 2016,  
USD MILLION

TABLE 44 CANADA SMART MATERIALS MARKET BY PRODUCTS, 2017 - 2023,  
USD MILLION

TABLE 45 MEXICO SMART MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 46 MEXICO SMART MATERIALS MARKET, 2017 - 2023, USD MILLION

TABLE 47 MEXICO SMART MATERIALS MARKET BY APPLICATION, 2013 - 2016,  
USD MILLION

TABLE 48 MEXICO SMART MATERIALS MARKET BY APPLICATION, 2017 - 2023,  
USD MILLION

TABLE 49 MEXICO SMART MATERIALS MARKET BY PRODUCTS, 2013 - 2016,  
USD MILLION

TABLE 50 MEXICO SMART MATERIALS MARKET BY PRODUCTS, 2017 - 2023,  
USD MILLION

TABLE 51 REST OF NORTH AMERICA SMART MATERIALS MARKET, 2013 - 2016,  
USD MILLION

TABLE 52 REST OF NORTH AMERICA SMART MATERIALS MARKET, 2017 - 2023,  
USD MILLION

TABLE 53 REST OF NORTH AMERICA SMART MATERIALS MARKET BY  
APPLICATION, 2013 - 2016, USD MILLION

TABLE 54 REST OF NORTH AMERICA SMART MATERIALS MARKET BY  
APPLICATION, 2017 - 2023, USD MILLION

TABLE 55 REST OF NORTH AMERICA SMART MATERIALS MARKET BY  
PRODUCTS, 2013 - 2016, USD MILLION

TABLE 56 REST OF NORTH AMERICA SMART MATERIALS MARKET BY  
PRODUCTS, 2017 - 2023, USD MILLION

TABLE 57 KEY INFORMATION – KYOCERA CORPORATION

TABLE 58 KEY INFORMATION – HARRIS CORPORATION

TABLE 59 KEY INFORMATION – CERAMTEC

TABLE 60 KEY INFORMATION – LORD CORPORATION

TABLE 61 KEY INFORMATION – AMETEK CORPORATION (FINE TUBES LTD.)

TABLE 62 KEY INFORMATION – TDK CORPORATION

TABLE 63 KEY INFORMATION – SMART MATERIAL CORPORATION

TABLE 64 KEY INFORMATION – CTS CORPORATION (NOLIAC A/S)

TABLE 65 KEY INFORMATION – APC INTERNATIONAL, LTD.

TABLE 66 KEY INFORMATION – PIEZO KINETICS, INC.



## I would like to order

Product name: North America Smart Materials Market Analysis (2017-2023)

Product link: <https://marketpublishers.com/r/N28D17625BEEN.html>

Price: US\$ 1,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/N28D17625BEEN.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**

Customer 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