

Global Smart Materials Market Analysis (2017-2023)

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Abstracts

The Global Smart Materials Market size is expected to reach \$73.9 billion by 2023, rising at a market growth of 13% CAGR during the forecast period. 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. The new generation smart materials, with inherent intelligence, exhibit adaptive capabilities to specific stimulus input from the external sources. Physical properties such as shape, stiffness, and viscosity are modified in line with the external stimulus. Multiple functionalities such as self-adaptability, self-sensing, self-healing, and memory drive the adoption of the technology in various applications.

Based on Application, the market report segments the market into Actuators & Motors, Transducers, Sensors, Structural Materials, and Others. Based on Products, the Global 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 Regions, the Global Smart Materials Market segments the market into North America, Europe, Asia Pacific, Latin America, Middle East and Africa.

The market research report covers the analysis of key stake holders of the Global 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 Global Smart Materials Market, by Application
 - 1.4.2 Global Smart Materials Market, by Products
 - 1.4.3 Global Smart Materials Market, by Geography
- 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. GLOBAL SMART MATERIALS MARKET

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

CHAPTER 4. GLOBAL SMART MATERIALS MARKET BY PRODUCTS

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

CHAPTER 5. GLOBAL SMART MATERIALS MARKET BY REGION

5.1 Introduction

5.2 North America Smart Materials Market

5.2.1 North America Smart Materials Market by Application

5.2.1.1 North America Actuators & Motors Smart Materials Market by Country

5.2.1.2 North America Transducers Smart Materials Market by Country

5.2.1.3 North America Sensors Smart Materials Market by Country

5.2.1.4 North America Structural Smart Materials Market by Country

5.2.1.5 North America Smart Materials in Other Application Market by Country

5.2.2 North America Smart Materials Market by Products

5.2.2.1 North America Piezoelectric Smart Materials Market by Country

5.2.2.2 North America Shape Memory Smart Materials Market by Country

5.2.2.3 North America Phase Change Memory Smart Materials Market by Country

5.2.2.4 North America Magnetostrictive Smart Materials Market by Country

5.2.2.5 North America Electrochromic Smart Materials Market by Country

5.2.2.6 North America Electrostrictive Smart Materials Market by Country

5.2.2.7 North America Other Smart Materials Market by Country

5.2.3 North America Smart Materials Market by Country

5.2.3.1 US Smart Materials Market

5.2.3.1.1 US Smart Materials Market by Application

5.2.3.1.2 US Smart Materials Market by Products

5.2.3.2 Canada Smart Materials Market

5.2.3.2.1 Canada Smart Materials Market by Application

5.2.3.2.2 Canada Smart Materials Market by Products

5.2.3.3 Mexico Smart Materials Market

5.2.3.3.1 Mexico Smart Materials Market by Application

5.2.3.3.2 Mexico Smart Materials Market by Products

5.2.3.4 Rest of North America Smart Materials Market

5.2.3.4.1 Rest of North America Smart Materials Market by Application

5.2.3.4.2 Rest of North America Smart Materials Market by Products

5.3 Europe Smart Materials Market

5.3.1 Europe Smart Materials Market by Application

5.3.1.1 Europe Actuators & Motors Smart Materials Market by Country

5.3.1.2 Europe Transducers Smart Materials Market by Country

5.3.1.3 Europe Sensors Smart Materials Market by Country

5.3.1.4 Europe Structural Smart Materials Market by Country

5.3.1.5 Europe Smart Materials in Other Application Market by Country

- 5.3.2 Europe Smart Materials Market by Products
 - 5.3.2.1 Europe Piezoelectric Smart Materials Market by Country
 - 5.3.2.2 Europe Shape Memory Smart Materials Market by Country
 - 5.3.2.3 Europe Phase Change Memory Smart Materials Market by Country
 - 5.3.2.4 Europe Magnetostrictive Smart Materials Market by Country
 - 5.3.2.5 Europe Electrochromic Smart Materials Market by Country
 - 5.3.2.6 Europe Electrostrictive Smart Materials Market by Country
 - 5.3.2.7 Europe Other Smart Materials Market by Country
- 5.3.3 Europe Smart Materials Market by Country
 - 5.3.3.1 Germany Smart Materials Market
 - 5.3.3.1.1 Germany Smart Materials Market by Application
 - 5.3.3.1.2 Germany Smart Materials Market by Products
 - 5.3.3.2 UK Smart Materials Market
 - 5.3.3.2.1 UK Smart Materials Market by Application
 - 5.3.3.2.2 UK Smart Materials Market by Products
 - 5.3.3.3 France Smart Materials Market
 - 5.3.3.3.1 France Smart Materials Market by Application
 - 5.3.3.3.2 France Smart Materials Market by Products
 - 5.3.3.4 Russia Smart Materials Market
 - 5.3.3.4.1 Russia Smart Materials Market by Application
 - 5.3.3.4.2 Russia Smart Materials Market by Products
 - 5.3.3.5 Spain Smart Materials Market
 - 5.3.3.5.1 Spain Smart Materials Market by Application
 - 5.3.3.5.2 Spain Smart Materials Market by Products
 - 5.3.3.6 Italy Smart Materials Market
 - 5.3.3.6.1 Italy Smart Materials Market by Application
 - 5.3.3.6.2 Italy Smart Materials Market by Products
 - 5.3.3.7 Rest of Europe Smart Materials Market
 - 5.3.3.7.1 Rest of Europe Smart Materials Market by Application
 - 5.3.3.7.2 Rest of Europe Smart Materials Market by Products
- 5.4 Asia Pacific Smart Materials Market
 - 5.4.1 Asia Pacific Smart Materials Market by Application
 - 5.4.1.1 Asia Pacific Actuators & Motors Smart Materials Market by Country
 - 5.4.1.2 Asia Pacific Transducers Smart Materials Market by Country
 - 5.4.1.3 Asia Pacific Sensors Smart Materials Market by Country
 - 5.4.1.4 Asia Pacific Structural Smart Materials Market by Country
 - 5.4.1.5 Asia Pacific Smart Materials in Other Application Market by Country
 - 5.4.2 Asia Pacific Smart Materials Market by Products
 - 5.4.2.1 Asia Pacific Piezoelectric Smart Materials Market by Country

- 5.4.2.2 Asia Pacific Shape Memory Smart Materials Market by Country
- 5.4.2.3 Asia Pacific Phase Change Memory Smart Materials Market by Country
- 5.4.2.4 Asia Pacific Magnetostrictive Smart Materials Market by Country
- 5.4.2.5 Asia Pacific Electrochromic Smart Materials Market by Country
- 5.4.2.6 Asia Pacific Electrostrictive Smart Materials Market by Country
- 5.4.2.7 Asia Pacific Other Smart Materials Market by Country
- 5.4.3 Asia Pacific Smart Materials Market by Country
 - 5.4.3.1 China Smart Materials Market
 - 5.4.3.1.1 China Smart Materials Market by Application
 - 5.4.3.1.2 China Smart Materials Market by Products
 - 5.4.3.2 Japan Smart Materials Market
 - 5.4.3.2.1 Japan Smart Materials Market by Application
 - 5.4.3.2.2 Japan Smart Materials Market by Products
 - 5.4.3.3 India Smart Materials Market
 - 5.4.3.3.1 India Smart Materials Market by Application
 - 5.4.3.3.2 India Smart Materials Market by Products
 - 5.4.3.4 South Korea Smart Materials Market
 - 5.4.3.4.1 South Korea Smart Materials Market by Application
 - 5.4.3.4.2 South Korea Smart Materials Market by Products
 - 5.4.3.5 Singapore Smart Materials Market
 - 5.4.3.5.1 Singapore Smart Materials Market by Application
 - 5.4.3.5.2 Singapore Smart Materials Market by Products
 - 5.4.3.6 Malaysia Smart Materials Market
 - 5.4.3.6.1 Malaysia Smart Materials Market by Application
 - 5.4.3.6.2 Malaysia Smart Materials Market by Products
 - 5.4.3.7 Rest of Asia Pacific Smart Materials Market
 - 5.4.3.7.1 Rest of Asia Pacific Smart Materials Market by Application
 - 5.4.3.7.2 Rest of Asia Pacific Smart Materials Market by Products
- 5.5 LAMEA Smart Materials Market
 - 5.5.1 LAMEA Smart Materials Market by Application
 - 5.5.1.1 LAMEA Actuators & Motors Smart Materials Market by Country
 - 5.5.1.2 LAMEA Transducers Smart Materials Market by Country
 - 5.5.1.3 LAMEA Sensors Smart Materials Market by Country
 - 5.5.1.4 LAMEA Structural Smart Materials Market by Country
 - 5.5.1.5 LAMEA Smart Materials in Other Application Market by Country
 - 5.5.2 LAMEA Smart Materials Market by Products
 - 5.5.2.1 LAMEA Piezoelectric Smart Materials Market by Country
 - 5.5.2.2 LAMEA Shape Memory Smart Materials Market by Country
 - 5.5.2.3 LAMEA Phase Change Memory Smart Materials Market by Country

- 5.5.2.4 LAMEA Magnetostrictive Smart Materials Market by Country
- 5.5.2.5 LAMEA Electrochromic Smart Materials Market by Country
- 5.5.2.6 LAMEA Electrostrictive Smart Materials Market by Country
- 5.5.2.7 LAMEA Other Smart Materials Market by Country
- 5.5.3 LAMEA Smart Materials Market by Country
 - 5.5.3.1 Brazil Smart Materials Market
 - 5.5.3.1.1 Brazil Smart Materials Market by Application
 - 5.5.3.1.2 Brazil Smart Materials Market by Products
 - 5.5.3.2 Argentina Smart Materials Market
 - 5.5.3.2.1 Argentina Smart Materials Market by Application
 - 5.5.3.2.2 Argentina Smart Materials Market by Products
 - 5.5.3.3 UAE Smart Materials Market
 - 5.5.3.3.1 UAE Smart Materials Market by Application
 - 5.5.3.3.2 UAE Smart Materials Market by Products
 - 5.5.3.4 Saudi Arabia Smart Materials Market
 - 5.5.3.4.1 Saudi Arabia Smart Materials Market by Application
 - 5.5.3.4.2 Saudi Arabia Smart Materials Market by Products
 - 5.5.3.5 South Africa Smart Materials Market
 - 5.5.3.5.1 South Africa Smart Materials Market by Application
 - 5.5.3.5.2 South Africa Smart Materials Market by Products
 - 5.5.3.6 Nigeria Smart Materials Market
 - 5.5.3.6.1 Nigeria Smart Materials Market by Application
 - 5.5.3.6.2 Nigeria Smart Materials Market by Products
 - 5.5.3.7 Rest of LAMEA Smart Materials Market
 - 5.5.3.7.1 Rest of LAMEA Smart Materials Market by Application
 - 5.5.3.7.2 Rest of LAMEA 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 GLOBAL SMART MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 2 GLOBAL SMART MATERIALS MARKET, 2017 - 2023, USD MILLION

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

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

TABLE 5 GLOBAL ACTUATORS & MOTORS SMART MATERIALS MARKET BY REGION, 2013 - 2016, USD MILLION

TABLE 6 GLOBAL ACTUATORS & MOTORS SMART MATERIALS MARKET BY REGION, 2017 - 2023, USD MILLION

TABLE 7 GLOBAL TRANSDUCERS SMART MATERIALS MARKET BY REGION, 2013 - 2016, USD MILLION

TABLE 8 GLOBAL TRANSDUCERS SMART MATERIALS MARKET BY REGION, 2017 - 2023, USD MILLION

TABLE 9 GLOBAL SENSORS SMART MATERIALS MARKET BY REGION, 2013 - 2016, USD MILLION

TABLE 10 GLOBAL SENSORS SMART MATERIALS MARKET BY REGION, 2017 - 2023, USD MILLION

TABLE 11 GLOBAL STRUCTURAL SMART MATERIALS MARKET BY REGION, 2013 - 2016, USD MILLION

TABLE 12 GLOBAL STRUCTURAL SMART MATERIALS MARKET BY REGION, 2017 - 2023, USD MILLION

TABLE 13 GLOBAL SMART MATERIALS IN OTHER APPLICATION MARKET BY REGION, 2013 - 2016, USD MILLION

TABLE 14 GLOBAL SMART MATERIALS IN OTHER APPLICATION MARKET BY REGION, 2017 - 2023, USD MILLION

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

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

TABLE 17 GLOBAL PIEZOELECTRIC SMART MATERIALS MARKET BY REGION, 2013 - 2016, USD MILLION

TABLE 18 GLOBAL PIEZOELECTRIC SMART MATERIALS MARKET BY REGION, 2017 - 2023, USD MILLION

TABLE 19 GLOBAL SHAPE MEMORY SMART MATERIALS MARKET BY REGION,

2013 - 2016, USD MILLION

TABLE 20 GLOBAL SHAPE MEMORY SMART MATERIALS MARKET BY REGION,
2017 - 2023, USD MILLION

TABLE 21 GLOBAL PHASE CHANGE MEMORY SMART MATERIALS MARKET BY
REGION, 2013 - 2016, USD MILLION

TABLE 22 GLOBAL PHASE CHANGE MEMORY SMART MATERIALS MARKET BY
REGION, 2017 - 2023, USD MILLION

TABLE 23 GLOBAL MAGNETOSTRICTIVE SMART MATERIALS MARKET BY
REGION, 2013 - 2016, USD MILLION

TABLE 24 GLOBAL MAGNETOSTRICTIVE SMART MATERIALS MARKET BY
REGION, 2017 - 2023, USD MILLION

TABLE 25 GLOBAL ELECTROCHROMIC SMART MATERIALS MARKET BY REGION,
2013 - 2016, USD MILLION

TABLE 26 GLOBAL ELECTROCHROMIC SMART MATERIALS MARKET BY REGION,
2017 - 2023, USD MILLION

TABLE 27 GLOBAL ELECTROSTRICTIVE SMART MATERIALS MARKET BY
REGION, 2013 - 2016, USD MILLION

TABLE 28 GLOBAL ELECTROSTRICTIVE SMART MATERIALS MARKET BY
REGION, 2017 - 2023, USD MILLION

TABLE 29 GLOBAL OTHER SMART MATERIALS MARKET BY REGION, 2013 - 2016,
USD MILLION

TABLE 30 GLOBAL OTHER SMART MATERIALS MARKET BY REGION, 2017 - 2023,
USD MILLION

TABLE 31 GLOBAL SMART MATERIALS MARKET BY REGION, 2013 - 2016, USD
MILLION

TABLE 32 GLOBAL SMART MATERIALS MARKET BY REGION, 2017 - 2023, USD
MILLION

TABLE 33 NORTH AMERICA SMART MATERIALS MARKET, 2013 - 2016, USD
MILLION

TABLE 34 NORTH AMERICA SMART MATERIALS MARKET, 2017 - 2023, USD
MILLION

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

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

TABLE 37 NORTH AMERICA ACTUATORS & MOTORS SMART MATERIALS
MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 38 NORTH AMERICA ACTUATORS & MOTORS SMART MATERIALS
MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 39 NORTH AMERICA TRANSDUCERS SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 40 NORTH AMERICA TRANSDUCERS SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 41 NORTH AMERICA SENSORS SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 42 NORTH AMERICA SENSORS SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 43 NORTH AMERICA STRUCTURAL SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 44 NORTH AMERICA STRUCTURAL SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 45 NORTH AMERICA SMART MATERIALS IN OTHER APPLICATION MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 46 NORTH AMERICA SMART MATERIALS IN OTHER APPLICATION MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 47 NORTH AMERICA SMART MATERIALS MARKET BY PRODUCTS, 2013 - 2016, USD MILLION

TABLE 48 NORTH AMERICA SMART MATERIALS MARKET BY PRODUCTS, 2017 - 2023, USD MILLION

TABLE 49 NORTH AMERICA PIEZOELECTRIC SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 50 NORTH AMERICA PIEZOELECTRIC SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 51 NORTH AMERICA SHAPE MEMORY SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 52 NORTH AMERICA SHAPE MEMORY SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 53 NORTH AMERICA PHASE CHANGE MEMORY SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 54 NORTH AMERICA PHASE CHANGE MEMORY SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 55 NORTH AMERICA MAGNETOSTRICTIVE SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 56 NORTH AMERICA MAGNETOSTRICTIVE SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 57 NORTH AMERICA ELECTROCHROMIC SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 58 NORTH AMERICA ELECTROCHROMIC SMART MATERIALS MARKET BY

COUNTRY, 2017 - 2023, USD MILLION

TABLE 59 NORTH AMERICA ELECTROSTRICTIVE SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 60 NORTH AMERICA ELECTROSTRICTIVE SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 61 NORTH AMERICA OTHER SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 62 NORTH AMERICA OTHER SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 63 NORTH AMERICA SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 64 NORTH AMERICA SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 65 US SMART MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 66 US SMART MATERIALS MARKET, 2017 - 2023, USD MILLION

TABLE 67 US SMART MATERIALS MARKET BY APPLICATION, 2013 - 2016, USD MILLION

TABLE 68 US SMART MATERIALS MARKET BY APPLICATION, 2017 - 2023, USD MILLION

TABLE 69 US SMART MATERIALS MARKET BY PRODUCTS, 2013 - 2016, USD MILLION

TABLE 70 US SMART MATERIALS MARKET BY PRODUCTS, 2017 - 2023, USD MILLION

TABLE 71 CANADA SMART MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 72 CANADA SMART MATERIALS MARKET, 2017 - 2023, USD MILLION

TABLE 73 CANADA SMART MATERIALS MARKET BY APPLICATION, 2013 - 2016, USD MILLION

TABLE 74 CANADA SMART MATERIALS MARKET BY APPLICATION, 2017 - 2023, USD MILLION

TABLE 75 CANADA SMART MATERIALS MARKET BY PRODUCTS, 2013 - 2016, USD MILLION

TABLE 76 CANADA SMART MATERIALS MARKET BY PRODUCTS, 2017 - 2023, USD MILLION

TABLE 77 MEXICO SMART MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 78 MEXICO SMART MATERIALS MARKET, 2017 - 2023, USD MILLION

TABLE 79 MEXICO SMART MATERIALS MARKET BY APPLICATION, 2013 - 2016, USD MILLION

TABLE 80 MEXICO SMART MATERIALS MARKET BY APPLICATION, 2017 - 2023, USD MILLION

TABLE 81 MEXICO SMART MATERIALS MARKET BY PRODUCTS, 2013 - 2016, USD MILLION

TABLE 82 MEXICO SMART MATERIALS MARKET BY PRODUCTS, 2017 - 2023, USD MILLION

TABLE 83 REST OF NORTH AMERICA SMART MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 84 REST OF NORTH AMERICA SMART MATERIALS MARKET, 2017 - 2023, USD MILLION

TABLE 85 REST OF NORTH AMERICA SMART MATERIALS MARKET BY APPLICATION, 2013 - 2016, USD MILLION

TABLE 86 REST OF NORTH AMERICA SMART MATERIALS MARKET BY APPLICATION, 2017 - 2023, USD MILLION

TABLE 87 REST OF NORTH AMERICA SMART MATERIALS MARKET BY PRODUCTS, 2013 - 2016, USD MILLION

TABLE 88 REST OF NORTH AMERICA SMART MATERIALS MARKET BY PRODUCTS, 2017 - 2023, USD MILLION

TABLE 89 EUROPE SMART MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 90 EUROPE SMART MATERIALS MARKET, 2017 - 2023, USD MILLION

TABLE 91 EUROPE SMART MATERIALS MARKET BY APPLICATION, 2013 - 2016, USD MILLION

TABLE 92 EUROPE SMART MATERIALS MARKET BY APPLICATION, 2017 - 2023, USD MILLION

TABLE 93 EUROPE ACTUATORS & MOTORS SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 94 EUROPE ACTUATORS & MOTORS SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 95 EUROPE TRANSDUCERS SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 96 EUROPE TRANSDUCERS SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 97 EUROPE SENSORS SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 98 EUROPE SENSORS SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 99 EUROPE STRUCTURAL SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 100 EUROPE STRUCTURAL SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 101 EUROPE SMART MATERIALS IN OTHER APPLICATION MARKET BY

COUNTRY, 2013 - 2016, USD MILLION

TABLE 102 EUROPE SMART MATERIALS IN OTHER APPLICATION MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 103 EUROPE SMART MATERIALS MARKET BY PRODUCTS, 2013 - 2016, USD MILLION

TABLE 104 EUROPE SMART MATERIALS MARKET BY PRODUCTS, 2017 - 2023, USD MILLION

TABLE 105 EUROPE PIEZOELECTRIC SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 106 EUROPE PIEZOELECTRIC SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 107 EUROPE SHAPE MEMORY SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 108 EUROPE SHAPE MEMORY SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 109 EUROPE PHASE CHANGE MEMORY SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 110 EUROPE PHASE CHANGE MEMORY SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 111 EUROPE MAGNETOSTRICTIVE SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 112 EUROPE MAGNETOSTRICTIVE SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 113 EUROPE ELECTROCHROMIC SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 114 EUROPE ELECTROCHROMIC SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 115 EUROPE ELECTROSTRICTIVE SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 116 EUROPE ELECTROSTRICTIVE SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 117 EUROPE OTHER SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 118 EUROPE OTHER SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 119 EUROPE SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 120 EUROPE SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 121 GERMANY SMART MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 122 GERMANY SMART MATERIALS MARKET, 2017 - 2023, USD MILLION

TABLE 123 GERMANY SMART MATERIALS MARKET BY APPLICATION, 2013 - 2016, USD MILLION

TABLE 124 GERMANY SMART MATERIALS MARKET BY APPLICATION, 2017 - 2023, USD MILLION

TABLE 125 GERMANY SMART MATERIALS MARKET BY PRODUCTS, 2013 - 2016, USD MILLION

TABLE 126 GERMANY SMART MATERIALS MARKET BY PRODUCTS, 2017 - 2023, USD MILLION

TABLE 127 UK SMART MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 128 UK SMART MATERIALS MARKET, 2017 - 2023, USD MILLION

TABLE 129 UK SMART MATERIALS MARKET BY APPLICATION, 2013 - 2016, USD MILLION

TABLE 130 UK SMART MATERIALS MARKET BY APPLICATION, 2017 - 2023, USD MILLION

TABLE 131 UK SMART MATERIALS MARKET BY PRODUCTS, 2013 - 2016, USD MILLION

TABLE 132 UK SMART MATERIALS MARKET BY PRODUCTS, 2017 - 2023, USD MILLION

TABLE 133 FRANCE SMART MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 134 FRANCE SMART MATERIALS MARKET, 2017 - 2023, USD MILLION

TABLE 135 FRANCE SMART MATERIALS MARKET BY APPLICATION, 2013 - 2016, USD MILLION

TABLE 136 FRANCE SMART MATERIALS MARKET BY APPLICATION, 2017 - 2023, USD MILLION

TABLE 137 FRANCE SMART MATERIALS MARKET BY PRODUCTS, 2013 - 2016, USD MILLION

TABLE 138 FRANCE SMART MATERIALS MARKET BY PRODUCTS, 2017 - 2023, USD MILLION

TABLE 139 RUSSIA SMART MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 140 RUSSIA SMART MATERIALS MARKET, 2017 - 2023, USD MILLION

TABLE 141 RUSSIA SMART MATERIALS MARKET BY APPLICATION, 2013 - 2016, USD MILLION

TABLE 142 RUSSIA SMART MATERIALS MARKET BY APPLICATION, 2017 - 2023, USD MILLION

TABLE 143 RUSSIA SMART MATERIALS MARKET BY PRODUCTS, 2013 - 2016, USD MILLION

TABLE 144 RUSSIA SMART MATERIALS MARKET BY PRODUCTS, 2017 - 2023, USD MILLION

USD MILLION

TABLE 145 SPAIN SMART MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 146 SPAIN SMART MATERIALS MARKET, 2017 - 2023, USD MILLION

TABLE 147 SPAIN SMART MATERIALS MARKET BY APPLICATION, 2013 - 2016,
USD MILLION

TABLE 148 SPAIN SMART MATERIALS MARKET BY APPLICATION, 2017 - 2023,
USD MILLION

TABLE 149 SPAIN SMART MATERIALS MARKET BY PRODUCTS, 2013 - 2016, USD
MILLION

TABLE 150 SPAIN SMART MATERIALS MARKET BY PRODUCTS, 2017 - 2023, USD
MILLION

TABLE 151 ITALY SMART MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 152 ITALY SMART MATERIALS MARKET, 2017 - 2023, USD MILLION

TABLE 153 ITALY SMART MATERIALS MARKET BY APPLICATION, 2013 - 2016,
USD MILLION

TABLE 154 ITALY SMART MATERIALS MARKET BY APPLICATION, 2017 - 2023,
USD MILLION

TABLE 155 ITALY SMART MATERIALS MARKET BY PRODUCTS, 2013 - 2016, USD
MILLION

TABLE 156 ITALY SMART MATERIALS MARKET BY PRODUCTS, 2017 - 2023, USD
MILLION

TABLE 157 REST OF EUROPE SMART MATERIALS MARKET, 2013 - 2016, USD
MILLION

TABLE 158 REST OF EUROPE SMART MATERIALS MARKET, 2017 - 2023, USD
MILLION

TABLE 159 REST OF EUROPE SMART MATERIALS MARKET BY APPLICATION,
2013 - 2016, USD MILLION

TABLE 160 REST OF EUROPE SMART MATERIALS MARKET BY APPLICATION,
2017 - 2023, USD MILLION

TABLE 161 REST OF EUROPE SMART MATERIALS MARKET BY PRODUCTS, 2013
- 2016, USD MILLION

TABLE 162 REST OF EUROPE SMART MATERIALS MARKET BY PRODUCTS, 2017
- 2023, USD MILLION

TABLE 163 ASIA PACIFIC SMART MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 164 ASIA PACIFIC SMART MATERIALS MARKET, 2017 - 2023, USD MILLION

TABLE 165 ASIA PACIFIC SMART MATERIALS MARKET BY APPLICATION, 2013 -
2016, USD MILLION

TABLE 166 ASIA PACIFIC SMART MATERIALS MARKET BY APPLICATION, 2017 -
2023, USD MILLION

TABLE 167 ASIA PACIFIC ACTUATORS & MOTORS SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 168 ASIA PACIFIC ACTUATORS & MOTORS SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 169 ASIA PACIFIC TRANSDUCERS SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 170 ASIA PACIFIC TRANSDUCERS SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 171 ASIA PACIFIC SENSORS SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 172 ASIA PACIFIC SENSORS SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 173 ASIA PACIFIC STRUCTURAL SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 174 ASIA PACIFIC STRUCTURAL SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 175 ASIA PACIFIC SMART MATERIALS IN OTHER APPLICATION MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 176 ASIA PACIFIC SMART MATERIALS IN OTHER APPLICATION MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 177 ASIA PACIFIC SMART MATERIALS MARKET BY PRODUCTS, 2013 - 2016, USD MILLION

TABLE 178 ASIA PACIFIC SMART MATERIALS MARKET BY PRODUCTS, 2017 - 2023, USD MILLION

TABLE 179 ASIA PACIFIC PIEZOELECTRIC SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 180 ASIA PACIFIC PIEZOELECTRIC SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 181 ASIA PACIFIC SHAPE MEMORY SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 182 ASIA PACIFIC SHAPE MEMORY SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 183 ASIA PACIFIC PHASE CHANGE MEMORY SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 184 ASIA PACIFIC PHASE CHANGE MEMORY SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 185 ASIA PACIFIC MAGNETOSTRICTIVE SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 186 ASIA PACIFIC MAGNETOSTRICTIVE SMART MATERIALS MARKET BY

COUNTRY, 2017 - 2023, USD MILLION

TABLE 187 ASIA PACIFIC ELECTROCHROMIC SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 188 ASIA PACIFIC ELECTROCHROMIC SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 189 ASIA PACIFIC ELECTROSTRICTIVE SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 190 ASIA PACIFIC ELECTROSTRICTIVE SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 191 ASIA PACIFIC OTHER SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 192 ASIA PACIFIC OTHER SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 193 ASIA PACIFIC SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 194 ASIA PACIFIC SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 195 CHINA SMART MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 196 CHINA SMART MATERIALS MARKET, 2017 - 2023, USD MILLION

TABLE 197 CHINA SMART MATERIALS MARKET BY APPLICATION, 2013 - 2016, USD MILLION

TABLE 198 CHINA SMART MATERIALS MARKET BY APPLICATION, 2017 - 2023, USD MILLION

TABLE 199 CHINA SMART MATERIALS MARKET BY PRODUCTS, 2013 - 2016, USD MILLION

TABLE 200 CHINA SMART MATERIALS MARKET BY PRODUCTS, 2017 - 2023, USD MILLION

TABLE 201 JAPAN SMART MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 202 JAPAN SMART MATERIALS MARKET, 2017 - 2023, USD MILLION

TABLE 203 JAPAN SMART MATERIALS MARKET BY APPLICATION, 2013 - 2016, USD MILLION

TABLE 204 JAPAN SMART MATERIALS MARKET BY APPLICATION, 2017 - 2023, USD MILLION

TABLE 205 JAPAN SMART MATERIALS MARKET BY PRODUCTS, 2013 - 2016, USD MILLION

TABLE 206 JAPAN SMART MATERIALS MARKET BY PRODUCTS, 2017 - 2023, USD MILLION

TABLE 207 INDIA SMART MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 208 INDIA SMART MATERIALS MARKET, 2017 - 2023, USD MILLION

TABLE 209 INDIA SMART MATERIALS MARKET BY APPLICATION, 2013 - 2016, USD MILLION

TABLE 210 INDIA SMART MATERIALS MARKET BY APPLICATION, 2017 - 2023, USD MILLION

TABLE 211 INDIA SMART MATERIALS MARKET BY PRODUCTS, 2013 - 2016, USD MILLION

TABLE 212 INDIA SMART MATERIALS MARKET BY PRODUCTS, 2017 - 2023, USD MILLION

TABLE 213 SOUTH KOREA SMART MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 214 SOUTH KOREA SMART MATERIALS MARKET, 2017 - 2023, USD MILLION

TABLE 215 SOUTH KOREA SMART MATERIALS MARKET BY APPLICATION, 2013 - 2016, USD MILLION

TABLE 216 SOUTH KOREA SMART MATERIALS MARKET BY APPLICATION, 2017 - 2023, USD MILLION

TABLE 217 SOUTH KOREA SMART MATERIALS MARKET BY PRODUCTS, 2013 - 2016, USD MILLION

TABLE 218 SOUTH KOREA SMART MATERIALS MARKET BY PRODUCTS, 2017 - 2023, USD MILLION

TABLE 219 SINGAPORE SMART MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 220 SINGAPORE SMART MATERIALS MARKET, 2017 - 2023, USD MILLION

TABLE 221 SINGAPORE SMART MATERIALS MARKET BY APPLICATION, 2013 - 2016, USD MILLION

TABLE 222 SINGAPORE SMART MATERIALS MARKET BY APPLICATION, 2017 - 2023, USD MILLION

TABLE 223 SINGAPORE SMART MATERIALS MARKET BY PRODUCTS, 2013 - 2016, USD MILLION

TABLE 224 SINGAPORE SMART MATERIALS MARKET BY PRODUCTS, 2017 - 2023, USD MILLION

TABLE 225 MALAYSIA SMART MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 226 MALAYSIA SMART MATERIALS MARKET, 2017 - 2023, USD MILLION

TABLE 227 MALAYSIA SMART MATERIALS MARKET BY APPLICATION, 2013 - 2016, USD MILLION

TABLE 228 MALAYSIA SMART MATERIALS MARKET BY APPLICATION, 2017 - 2023, USD MILLION

TABLE 229 MALAYSIA SMART MATERIALS MARKET BY PRODUCTS, 2013 - 2016, USD MILLION

TABLE 230 MALAYSIA SMART MATERIALS MARKET BY PRODUCTS, 2017 - 2023,

USD MILLION

TABLE 231 REST OF ASIA PACIFIC SMART MATERIALS MARKET, 2013 - 2016,
USD MILLION

TABLE 232 REST OF ASIA PACIFIC SMART MATERIALS MARKET, 2017 - 2023,
USD MILLION

TABLE 233 REST OF ASIA PACIFIC SMART MATERIALS MARKET BY
APPLICATION, 2013 - 2016, USD MILLION

TABLE 234 REST OF ASIA PACIFIC SMART MATERIALS MARKET BY
APPLICATION, 2017 - 2023, USD MILLION

TABLE 235 REST OF ASIA PACIFIC SMART MATERIALS MARKET BY PRODUCTS,
2013 - 2016, USD MILLION

TABLE 236 REST OF ASIA PACIFIC SMART MATERIALS MARKET BY PRODUCTS,
2017 - 2023, USD MILLION

TABLE 237 LAMEA SMART MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 238 LAMEA SMART MATERIALS MARKET, 2017 - 2023, USD MILLION

TABLE 239 LAMEA SMART MATERIALS MARKET BY APPLICATION, 2013 - 2016,
USD MILLION

TABLE 240 LAMEA SMART MATERIALS MARKET BY APPLICATION, 2017 - 2023,
USD MILLION

TABLE 241 LAMEA ACTUATORS & MOTORS SMART MATERIALS MARKET BY
COUNTRY, 2013 - 2016, USD MILLION

TABLE 242 LAMEA ACTUATORS & MOTORS SMART MATERIALS MARKET BY
COUNTRY, 2017 - 2023, USD MILLION

TABLE 243 LAMEA TRANSDUCERS SMART MATERIALS MARKET BY COUNTRY,
2013 - 2016, USD MILLION

TABLE 244 LAMEA TRANSDUCERS SMART MATERIALS MARKET BY COUNTRY,
2017 - 2023, USD MILLION

TABLE 245 LAMEA SENSORS SMART MATERIALS MARKET BY COUNTRY, 2013 -
2016, USD MILLION

TABLE 246 LAMEA SENSORS SMART MATERIALS MARKET BY COUNTRY, 2017 -
2023, USD MILLION

TABLE 247 LAMEA STRUCTURAL SMART MATERIALS MARKET BY COUNTRY,
2013 - 2016, USD MILLION

TABLE 248 LAMEA STRUCTURAL SMART MATERIALS MARKET BY COUNTRY,
2017 - 2023, USD MILLION

TABLE 249 LAMEA SMART MATERIALS IN OTHER APPLICATION MARKET BY
COUNTRY, 2013 - 2016, USD MILLION

TABLE 250 LAMEA SMART MATERIALS IN OTHER APPLICATION MARKET BY
COUNTRY, 2017 - 2023, USD MILLION

TABLE 251 LAMEA SMART MATERIALS MARKET BY PRODUCTS, 2013 - 2016, USD MILLION

TABLE 252 LAMEA SMART MATERIALS MARKET BY PRODUCTS, 2017 - 2023, USD MILLION

TABLE 253 LAMEA PIEZOELECTRIC SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 254 LAMEA PIEZOELECTRIC SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 255 LAMEA SHAPE MEMORY SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 256 LAMEA SHAPE MEMORY SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 257 LAMEA PHASE CHANGE MEMORY SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 258 LAMEA PHASE CHANGE MEMORY SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 259 LAMEA MAGNETOSTRICTIVE SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 260 LAMEA MAGNETOSTRICTIVE SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 261 LAMEA ELECTROCHROMIC SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 262 LAMEA ELECTROCHROMIC SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 263 LAMEA ELECTROSTRICTIVE SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 264 LAMEA ELECTROSTRICTIVE SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 265 LAMEA OTHER SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 266 LAMEA OTHER SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 267 LAMEA SMART MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 268 LAMEA SMART MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 269 BRAZIL SMART MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 270 BRAZIL SMART MATERIALS MARKET, 2017 - 2023, USD MILLION

TABLE 271 BRAZIL SMART MATERIALS MARKET BY APPLICATION, 2013 - 2016,

USD MILLION

TABLE 272 BRAZIL SMART MATERIALS MARKET BY APPLICATION, 2017 - 2023,
USD MILLION

TABLE 273 BRAZIL SMART MATERIALS MARKET BY PRODUCTS, 2013 - 2016,
USD MILLION

TABLE 274 BRAZIL SMART MATERIALS MARKET BY PRODUCTS, 2017 - 2023,
USD MILLION

TABLE 275 ARGENTINA SMART MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 276 ARGENTINA SMART MATERIALS MARKET, 2017 - 2023, USD MILLION

TABLE 277 ARGENTINA SMART MATERIALS MARKET BY APPLICATION, 2013 -
2016, USD MILLION

TABLE 278 ARGENTINA SMART MATERIALS MARKET BY APPLICATION, 2017 -
2023, USD MILLION

TABLE 279 ARGENTINA SMART MATERIALS MARKET BY PRODUCTS, 2013 -
2016, USD MILLION

TABLE 280 ARGENTINA SMART MATERIALS MARKET BY PRODUCTS, 2017 -
2023, USD MILLION

TABLE 281 UAE SMART MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 282 UAE SMART MATERIALS MARKET, 2017 - 2023, USD MILLION

TABLE 283 UAE SMART MATERIALS MARKET BY APPLICATION, 2013 - 2016, USD
MILLION

TABLE 284 UAE SMART MATERIALS MARKET BY APPLICATION, 2017 - 2023, USD
MILLION

TABLE 285 UAE SMART MATERIALS MARKET BY PRODUCTS, 2013 - 2016, USD
MILLION

TABLE 286 UAE SMART MATERIALS MARKET BY PRODUCTS, 2017 - 2023, USD
MILLION

TABLE 287 SAUDI ARABIA SMART MATERIALS MARKET, 2013 - 2016, USD
MILLION

TABLE 288 SAUDI ARABIA SMART MATERIALS MARKET, 2017 - 2023, USD
MILLION

TABLE 289 SAUDI ARABIA SMART MATERIALS MARKET BY APPLICATION, 2013 -
2016, USD MILLION

TABLE 290 SAUDI ARABIA SMART MATERIALS MARKET BY APPLICATION, 2017 -
2023, USD MILLION

TABLE 291 SAUDI ARABIA SMART MATERIALS MARKET BY PRODUCTS, 2013 -
2016, USD MILLION

TABLE 292 SAUDI ARABIA SMART MATERIALS MARKET BY PRODUCTS, 2017 -
2023, USD MILLION

TABLE 293 SOUTH AFRICA SMART MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 294 SOUTH AFRICA SMART MATERIALS MARKET, 2017 - 2023, USD MILLION

TABLE 295 SOUTH AFRICA SMART MATERIALS MARKET BY APPLICATION, 2013 - 2016, USD MILLION

TABLE 296 SOUTH AFRICA SMART MATERIALS MARKET BY APPLICATION, 2017 - 2023, USD MILLION

TABLE 297 SOUTH AFRICA SMART MATERIALS MARKET BY PRODUCTS, 2013 - 2016, USD MILLION

TABLE 298 SOUTH AFRICA SMART MATERIALS MARKET BY PRODUCTS, 2017 - 2023, USD MILLION

TABLE 299 NIGERIA SMART MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 300 NIGERIA SMART MATERIALS MARKET, 2017 - 2023, USD MILLION

TABLE 301 NIGERIA SMART MATERIALS MARKET BY APPLICATION, 2013 - 2016, USD MILLION

TABLE 302 NIGERIA SMART MATERIALS MARKET BY APPLICATION, 2017 - 2023, USD MILLION

TABLE 303 NIGERIA SMART MATERIALS MARKET BY PRODUCTS, 2013 - 2016, USD MILLION

TABLE 304 NIGERIA SMART MATERIALS MARKET BY PRODUCTS, 2017 - 2023, USD MILLION

TABLE 305 REST OF LAMEA SMART MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 306 REST OF LAMEA SMART MATERIALS MARKET, 2017 - 2023, USD MILLION

TABLE 307 REST OF LAMEA SMART MATERIALS MARKET BY APPLICATION, 2013 - 2016, USD MILLION

TABLE 308 REST OF LAMEA SMART MATERIALS MARKET BY APPLICATION, 2017 - 2023, USD MILLION

TABLE 309 REST OF LAMEA SMART MATERIALS MARKET BY PRODUCTS, 2013 - 2016, USD MILLION

TABLE 310 REST OF LAMEA SMART MATERIALS MARKET BY PRODUCTS, 2017 - 2023, USD MILLION

TABLE 311 KEY INFORMATION – KYOCERA CORPORATION

TABLE 312 KEY INFORMATION – HARRIS CORPORATION

TABLE 313 KEY INFORMATION – CERAMTEC

TABLE 314 KEY INFORMATION – LORD CORPORATION

TABLE 315 KEY INFORMATION – AMETEK CORPORATION (FINE TUBES LTD.)

TABLE 316 KEY INFORMATION – TDK CORPORATION

TABLE 317 KEY INFORMATION – SMART MATERIAL CORPORATION

TABLE 318 KEY INFORMATION – CTS CORPORATION (NOLIAQ A/S)

TABLE 319 KEY INFORMATION – APC INTERNATIONAL, LTD.

TABLE 320 KEY INFORMATION – PIEZO KINETICS, INC.

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