

Europe Smart Materials Market Analysis (2017-2023)

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Abstracts

The Europe Smart Materials Market would witness market growth of 12.1% 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. The EU Directive on Restriction of Hazardous Substances (RoHS) has led to ban on the use of lead oxides in the production process, as these substances are toxic to the natural environment. Therefore, manufacturers are working on the development of lead-free products based on binary and ternary systems. Compounds such as barium titanate (BT), potassium bismuth titanate (KBT), sodium potassium niobate (KNN), and bismuth ferrite (BFO) are increasingly used in these products.

Based on Application, the market report segments the market into Actuators & Motors, Transducers, Sensors, Structural Materials, and Others. Based on Products, the Europe 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 Europe Smart Materials Market segments the market into Germany, UK, France, Russia, Spain, Italy, and Rest of Europe.

The market research report covers the analysis of key stake holders of the Europe 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.

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