

LAMEA Smart Glass & Smart Window Market (2016 - 2022)

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Abstracts

Smart glass and smart window or switchable glass and switchable window are a technology with light transmission properties, which get modified when voltage, light or heat is applied. Generally, the glass changes from a translucent glass to a transparent glass. The smart glass technology when installed in the envelope of buildings has the potential to create climate adaptive building shells, saving heating cost, air-conditioning and lighting. It also saves the cost of installing and maintaining motorized light screens or blinds or curtains. Blackout smart glass has the potential to block about 99.4% of ultraviolet light, and as a result reduces fabric fading.

The adoption of Smart glasses helps in significantly improving the energy usage, while adding to the comfort and satisfaction of the end users. Recent developments include establishment of new industrial-scale production capacity, growing investments, and partnership announcements between smart glass technology companies and upstream and downstream suppliers and participants. These developments have been driving the growth of the market.

Based on the Technology, the Smart Glass & Smart Window market is segmented into Active Glasses and Passive Glasses. Active glasses are further divided into Polymer Dispersed Liquid Crystals, Suspense Particle Device, Electrochromic, and Others (Micro-blinds and Nanocrystals). Passive Glasses is divided into Passive Thermochromic and Passive Photochromic. Based on Application, the market is segmented into Automotive, Construction, Marine, and Aviation.

Based on country, Smart Glass & Smart Window market is segmented into Latin America, and Middle East & Africa. Brazil remained the dominant country in the LAMEA Smart Glass & Smart Window market in 2015. UAE and Saudi Arabia would witness

promising CAGR during the forecast period (2016-2022).

The report covers the analysis of key stake holders of the Smart Glass & Smart Window market. Key companies profiled in the report include Saint Gobain S.A, Smart Glass International, View, Inc., Research Frontiers Incorporated, Gentex Corporation, Asahi Glass Co., Pleotint, and Hitachi Ltd.

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