

# North America 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.

Smart glass used in the buildings and transportation sectors offer dynamic glare, light and heat control based on ambient conditions or manual controls. Smart glass with efficient energy consumption is majorly used in the construction sector. With growing trend of glasses in the buildings, building codes have become stringent, and the need for energy efficiency is growing in importance.

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 Thermo-chromic 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 US, Canada, Mexico and Rest of North America. US remained the dominant country in the North America Smart Glass & Smart Window market in 2015. Canada 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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