

# **Global Smart Glass and Smart Window Market Size study, by Technology (Active, Passive), by End User (Automotive, Aviation, Marine, Construction) and Regional Forecasts 2022-2028**

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## **Abstracts**

Global Smart Glass and Smart Window Market is valued approximately USD 5.87 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 15.00% over the forecast period 2022-2028. Smart Glass and Smart Window block some or all wavelength of light when light, heat or electricity is applied. Smart Glass and Smart Window provide various advantages over our traditional window such as climate-adaptive building shells that can save money on heating, air conditioning, and lighting while also avoiding the cost of installing and maintaining manual light screens, blinds, and curtains. Growing demand for electrical and hybrid vehicles and rising adoption of green buildings worldwide as well as strategic initiatives from leading market players are key factors that are accelerating the market growth. For Instance: According to International Energy Agency (IEA) estimates – during 2020, the sales of electric cars worldwide were estimated at 3 million units, and this number is more than double in 2021 to reach 6.6 million units. In addition, China emerged as the largest consumer of electric cars with 3.2 million electric cars sold in 2021 and accounting for half of the electric cars sold worldwide. Also, the growing expansion of the construction sector in emerging markets and the rising expansion of the automotive and aviation sector would create lucrative opportunities over the forecast period. For instance, as per Oxford Economics' Future of Construction report – during 2020, global construction output was estimated at USD 10.7 trillion, and this number is projected to grow by 42% or USD 4.5 trillion between 2020 and 2030 to reach USD 15.2 trillion. However, High initial cost impedes the growth of the market over the forecast period of 2022-2028.

The key regions considered for the Global Smart Glass and Smart Window Market

study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America is the leading region in terms of market share owing to factors such as the increasing adoption of smart glasses and windows across different industries as well as the presence of leading market players in the region. Whereas the Asia Pacific is anticipated to be the fastest growing region due to factors such as the growing expansion of green building construction activities as well as the presence of leading glass and windows manufacturers in the region.

Major market players included in this report are:

Asahi Glass Co., Ltd.  
Corning Incorporated  
Gentex Corporation  
Hitachi Ltd. (Hitachi Chemical Co., Ltd.)  
Pleotint LLC  
PPG Industries Inc.  
Ravenbrick LLC (Ravenwindow)  
Research Frontiers Incorporated  
Saint Gobain  
View, Inc.

The objective of the study is to define the market sizes of different segments & countries in recent years and to forecast the values for the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Technology

Active

Passive

By End User

Automotive

Aviation

Marine

Construction

**By Region:**

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global Smart Glass and Smart Window Market in Market Study:

Key Consulting Companies &amp; Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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