

# Global Driving Simulator Market Size study & Forecast, by Vehicle Type (Passenger Car, Commercial Vehicle) By Application Type (Training, Testing and Research) By Simulator Type (Compact Simulator, Full-scale Simulator, Advanced Simulator) and Regional Analysis, 2023-2030

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## Abstracts

Global Driving Simulator Market is valued approximately at USD 611.79 million in 2022 and is anticipated to grow with a growth rate of more than 5.27% over the forecast period 2023-2030. Driving Simulator is a specialized device or system designed to replicate the experience of driving a vehicle in a simulated environment. It is a technological tool that provides a controlled and realistic setting for individuals to practice and develop their driving skills without the risks associated with real-world training. Driving simulators are used for various purposes, including driver training, research, entertainment, and testing of automotive technologies. The Driving Simulator market is expanding because of factors such as rising number of Commercial Vehicles and rising popularity of VR gaming. As a result, the demand of Driving Simulator has progressively increased in the international market during the forecast period 2023-2030.

Commercial drivers are often subject to specific safety regulations and compliance standards. Driving simulators offer a valuable tool for training drivers on these regulations without exposing them to real-world risks. Simulators can simulate emergency situations, adverse weather conditions and compliance-related scenarios to ensure that commercial drivers are well-prepared to navigate challenging situations safely. According to Statista, in 2020, the global commercial vehicle production volume accounts 21.8 million units in number and reached up to 23.74 million units in 2022.

Another important factor drives the Driving Simulator market is increasing popularity of VR gaming. This technology creates a very immersive experience by giving users a 360-degree perspective of a virtual environment. These virtual reality integrated driving simulators assist in connecting to simulated driving experiences. In addition, as per Statista, the United States Virtual Reality gaming market accounts USD 7.1 billion in 2020 and projected to reach up to USD 19.5 billion by the year 2025. Moreover, rising demand for semi-autonomous and autonomous vehicles and government safety standards and regulations towards automotive industry is anticipated to create a lucrative growth opportunity for the market over the forecast period. However, high cost associated with driving simulator and lack of technical expertise impede overall market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Driving Simulator Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. Europe dominated the market in 2022 with largest market share owing to strict emission norms and the rapid growth in sales of Level 2 and Level 3 autonomous cars in the region. Simulators provide a safe and controlled environment for training drivers on how to interact with semi-autonomous features, enhancing their understanding and readiness to use these technologies on the road. The region's dominant performance is anticipated to propel the overall demand of Driving Simulator. Furthermore, Asia Pacific is expected to grow with the fastest CAGR during the forecast period, owing to factors such as rising demand of commercial vehicles in the region. Commercial vehicles often operate in diverse and challenging environments, including urban areas and highways. Driving simulators allow commercial drivers to practice handling different situations, reducing the risk of accidents and improving overall safety on the roads.

Major market player included in this report are:

AutoSim Advanced Simulation AS

AVSimulation Inc

VI-grade GmbH

Ansible Motion Limited

Cruden B.V.

Tecknotrove Simulator System Private Limited

IPG Automotive GmbH

AB Dynamics PLC

Virage Simulation Inc

XPI Simulation Inc

#### Recent Developments in the Market:

In February 2022 Transurb has introduced the compact Nano Simulator for tram driver training that uses mixed reality technology to simulate the immersive training experience seen in a full-cab simulator. The simulator has real physical controllers, a touchscreen for virtual instrumentation, and a virtual reality headset. When seated and wearing the headset, a trainee driver is completely immersed in a virtual driving cab.

#### Global Driving Simulator Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Vehicle Type, Application Type, Simulator Type, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Vehicle Type

Passenger Car

Commercial Vehicle

By Application Type

Training

Testing and Research

By Simulator Type

Compact Simulator

Full-scale Simulator

Advanced Simulator

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

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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