

Racing Simulator Market– Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Component (Hardware, Software), By End User (Racing Teams, Training Centers, Gaming & Motorsport Community, Sports Car Manufacturer), By Simulator Type (Compact Simulator, Mid-level Simulator, Full-scale Simulator), By Region & Competition, 2020-2030F

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Abstracts

Market Overview:

Global Racing Simulator Market was valued at USD 494.83 Million in 2024 and is expected to reach USD 1133.27 Million by 2030 with a CAGR of 14.81% during the forecast period. The global racing simulator market is experiencing steady growth driven by the rising integration of advanced hardware such as high-resolution displays, motion platforms, and haptic feedback systems that enhance realism for both professional training and entertainment. Increasing interest in e-sports and virtual racing leagues is expanding the consumer base, supported by advancements in software that offer highly accurate physics engines and customizable racing environments. Continuous innovation in AI-driven opponent behavior and cloud-based multiplayer connectivity is further boosting engagement, attracting both casual gamers and professional drivers seeking cost-effective practice solutions.

Market Drivers

Growing Popularity of E-Sports and Virtual Racing Leagues

The rapid rise of e-sports has transformed competitive gaming into a mainstream entertainment avenue, and virtual racing leagues are becoming a central part of this ecosystem. Racing simulators offer an authentic, competitive environment where players can participate in global tournaments without physical track limitations. These platforms provide realistic driving physics, detailed track replications, and professional-grade setups that closely mimic real racing conditions. Such capabilities attract not only gaming enthusiasts but also aspiring drivers who use simulators as a stepping stone into motorsports. Brands and sponsors are heavily investing in virtual racing events, increasing both visibility and prize pools, which further fuels participation. The live streaming of these competitions through platforms like Twitch and YouTube expands audience engagement, creating a vibrant online community. For instance, in 2025, the global esports audience is expected to reach over 640 million people, comprising 318 million dedicated fans and 322 million casual viewer. With constant upgrades in simulation realism, audience interactivity, and tournament infrastructure, e-sports racing is transitioning from niche to mainstream.

Key Market Challenges

High Initial Investment for Advanced Setups

While racing simulators can be more affordable than on-track racing in the long term, the upfront cost for high-quality setups remains a significant challenge. Professional-grade simulators equipped with direct-drive steering systems, hydraulic pedals, motion rigs, and multi-screen or VR displays can cost thousands of dollars. For competitive players or professional teams, investing in such equipment may be necessary to achieve realistic performance feedback, but the price point can deter newcomers. Even mid-range systems require substantial expenditure compared to other gaming peripherals, making them less accessible to casual users.

Key Market Trends

Integration of Virtual Reality and Augmented Reality

Virtual reality (VR) and augmented reality (AR) technologies are transforming the racing simulator experience by delivering unparalleled immersion and interactivity. VR headsets with high refresh rates and wide fields of view allow drivers to perceive depth, distance, and spatial awareness much like in real racing scenarios. AR can overlay live performance metrics, track data, and racing lines directly onto the driver's field of vision

without breaking immersion. This combination enhances both training efficiency and entertainment value. Motion tracking in VR further enables natural head movements, allowing drivers to look into corners, check mirrors, and assess surroundings intuitively. Developers are optimizing simulation software for VR, reducing latency and improving graphical fidelity to prevent motion sickness. AR integration is being explored for real-time coaching, enabling instructors to provide visual guidance during simulator sessions.

Key Market Players

CXC Simulations

Trak Racer

Next Level Racing

D-Box Technologies, Inc.

Vi-Grade GmbH

Cruden B.V.

AB Dynamics Plc (Ansible Motion Ltd)

Cranfield Simulation

Simxperience

Simworx Pty Ltd

Report Scope:

In this report, the global Racing Simulator Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Racing Simulator Market, By Component:

Hardware

Software

Racing Simulator Market, By End User:

Racing Teams

Training Centers

Gaming & Motorsport Community

Sports Car Manufacturer

Racing Simulator Market, By Simulator Type:

Compact Simulator

Mid-level Simulator

Full-scale Simulator

Racing Simulator Market, By Region:

North America

United States

Canada

Mexico

Europe & CIS

Germany

France

U.K.

Spain

Italy

Asia-Pacific

China

Japan

India

Vietnam

South Korea

Australia

Thailand

Middle East & Africa

South Africa

Saudi Arabia

UAE

Turkey

South America

Brazil

Argentina

Colombia

Competitive Landscape

Company Profiles: Detailed analysis of the major companies presents in the global Racing Simulator Market.

Available Customizations:

Global Racing Simulator Market report with the given market data, TechSci Research offers customizations according to the company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

Contents

1. INTRODUCTION

- 1.1. Product Overview
- 1.2. Key Highlights of the Report
- 1.3. Market Coverage
- 1.4. Market Segments Covered
- 1.5. Research Tenure Considered

2. RESEARCH METHODOLOGY

- 2.1. Methodology Landscape
- 2.2. Objective of the Study
- 2.3. Baseline Methodology
- 2.4. Formulation of the Scope
- 2.5. Assumptions and Limitations
- 2.6. Sources of Research
- 2.7. Approach for the Market Study
- 2.8. Methodology Followed for Calculation of Market Size & Market Shares
- 2.9. Forecasting Methodology

3. EXECUTIVE SUMMARY

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions
- 3.5. Overview of Market Drivers, Challenges, and Trends

4. GLOBAL RACING SIMULATOR MARKET OUTLOOK

- 4.1. Market Size & Forecast
 - 4.1.1. By Value
- 4.2. Market Share & Forecast
 - 4.2.1. By Component Market Share Analysis (Hardware, Software)
 - 4.2.2. By End User Market Share Analysis (Racing Teams, Training Centers, Gaming & Motorsport Community, Sports Car Manufacturer)
 - 4.2.3. By Simulator Type Market Share Analysis (Compact Simulator, Mid-level

Simulator, Full-scale Simulator)

4.2.4. By Region

4.2.5. By Company (2024)

4.3. Market Map

5. NORTH AMERICA RACING SIMULATOR MARKET OUTLOOK

5.1. Market Size & Forecast

5.1.1. By Value

5.2. Market Share & Forecast

5.2.1. By Component

5.2.2. By End User

5.2.3. By Simulator Type

5.2.4. By Country

5.3. North America: Country Analysis

5.3.1. United States Racing Simulator Market Outlook

5.3.1.1. Market Size & Forecast

5.3.1.1.1. By Value

5.3.1.2. Market Share & Forecast

5.3.1.2.1. By Component

5.3.1.2.2. By End User

5.3.1.2.3. By Simulator Type

5.3.2. Canada Racing Simulator Market Outlook

5.3.2.1. Market Size & Forecast

5.3.2.1.1. By Value

5.3.2.2. Market Share & Forecast

5.3.2.2.1. By Component

5.3.2.2.2. By End User

5.3.2.2.3. By Simulator Type

5.3.3. Mexico Racing Simulator Market Outlook

5.3.3.1. Market Size & Forecast

5.3.3.1.1. By Value

5.3.3.2. Market Share & Forecast

5.3.3.2.1. By Component

5.3.3.2.2. By End User

5.3.3.2.3. By Simulator Type

6. EUROPE & CIS RACING SIMULATOR MARKET OUTLOOK

- 6.1. Market Size & Forecast
 - 6.1.1. By Value
- 6.2. Market Share & Forecast
 - 6.2.1. By Component
 - 6.2.2. By End User
 - 6.2.3. By Simulator Type
 - 6.2.4. By Country
- 6.3. Europe & CIS: Country Analysis
 - 6.3.1. France Racing Simulator Market Outlook
 - 6.3.1.1. Market Size & Forecast
 - 6.3.1.1.1. By Value
 - 6.3.1.2. Market Share & Forecast
 - 6.3.1.2.1. By Component
 - 6.3.1.2.2. By End User
 - 6.3.1.2.3. By Simulator Type
 - 6.3.2. Germany Racing Simulator Market Outlook
 - 6.3.2.1. Market Size & Forecast
 - 6.3.2.1.1. By Value
 - 6.3.2.2. Market Share & Forecast
 - 6.3.2.2.1. By Component
 - 6.3.2.2.2. By End User
 - 6.3.2.2.3. By Simulator Type
 - 6.3.3. Spain Racing Simulator Market Outlook
 - 6.3.3.1. Market Size & Forecast
 - 6.3.3.1.1. By Value
 - 6.3.3.2. Market Share & Forecast
 - 6.3.3.2.1. By Component
 - 6.3.3.2.2. By End User
 - 6.3.3.2.3. By Simulator Type
 - 6.3.4. Italy Racing Simulator Market Outlook
 - 6.3.4.1. Market Size & Forecast
 - 6.3.4.1.1. By Value
 - 6.3.4.2. Market Share & Forecast
 - 6.3.4.2.1. By Component
 - 6.3.4.2.2. By End User
 - 6.3.4.2.3. By Simulator Type
 - 6.3.5. United Kingdom Racing Simulator Market Outlook
 - 6.3.5.1. Market Size & Forecast
 - 6.3.5.1.1. By Value

- 6.3.5.2. Market Share & Forecast
 - 6.3.5.2.1. By Component
 - 6.3.5.2.2. By End User
 - 6.3.5.2.3. By Simulator Type

7. ASIA-PACIFIC RACING SIMULATOR MARKET OUTLOOK

- 7.1. Market Size & Forecast
 - 7.1.1. By Value
- 7.2. Market Share & Forecast
 - 7.2.1. By Component
 - 7.2.2. By End User
 - 7.2.3. By Simulator Type
 - 7.2.4. By Country
- 7.3. Asia-Pacific: Country Analysis
 - 7.3.1. China Racing Simulator Market Outlook
 - 7.3.1.1. Market Size & Forecast
 - 7.3.1.1.1. By Value
 - 7.3.1.2. Market Share & Forecast
 - 7.3.1.2.1. By Component
 - 7.3.1.2.2. By End User
 - 7.3.1.2.3. By Simulator Type
 - 7.3.2. Japan Racing Simulator Market Outlook
 - 7.3.2.1. Market Size & Forecast
 - 7.3.2.1.1. By Value
 - 7.3.2.2. Market Share & Forecast
 - 7.3.2.2.1. By Component
 - 7.3.2.2.2. By End User
 - 7.3.2.2.3. By Simulator Type
 - 7.3.3. India Racing Simulator Market Outlook
 - 7.3.3.1. Market Size & Forecast
 - 7.3.3.1.1. By Value
 - 7.3.3.2. Market Share & Forecast
 - 7.3.3.2.1. By Component
 - 7.3.3.2.2. By End User
 - 7.3.3.2.3. By Simulator Type
 - 7.3.4. Vietnam Racing Simulator Market Outlook
 - 7.3.4.1. Market Size & Forecast
 - 7.3.4.1.1. By Value

- 7.3.4.2. Market Share & Forecast
 - 7.3.4.2.1. By Component
 - 7.3.4.2.2. By End User
 - 7.3.4.2.3. By Simulator Type
- 7.3.5. South Korea Racing Simulator Market Outlook
 - 7.3.5.1. Market Size & Forecast
 - 7.3.5.1.1. By Value
 - 7.3.5.2. Market Share & Forecast
 - 7.3.5.2.1. By Component
 - 7.3.5.2.2. By End User
 - 7.3.5.2.3. By Simulator Type
- 7.3.6. Australia Racing Simulator Market Outlook
 - 7.3.6.1. Market Size & Forecast
 - 7.3.6.1.1. By Value
 - 7.3.6.2. Market Share & Forecast
 - 7.3.6.2.1. By Component
 - 7.3.6.2.2. By End User
 - 7.3.6.2.3. By Simulator Type
- 7.3.7. Thailand Racing Simulator Market Outlook
 - 7.3.7.1. Market Size & Forecast
 - 7.3.7.1.1. By Value
 - 7.3.7.2. Market Share & Forecast
 - 7.3.7.2.1. By Component
 - 7.3.7.2.2. By End User
 - 7.3.7.2.3. By Simulator Type

8. MIDDLE EAST & AFRICA RACING SIMULATOR MARKET OUTLOOK

- 8.1. Market Size & Forecast
 - 8.1.1. By Value
- 8.2. Market Share & Forecast
 - 8.2.1. By Component
 - 8.2.2. By End User
 - 8.2.3. By Simulator Type
 - 8.2.4. By Country
- 8.3. MEA: Country Analysis
 - 8.3.1. South Africa Racing Simulator Market Outlook
 - 8.3.1.1. Market Size & Forecast
 - 8.3.1.1.1. By Value

- 8.3.1.2. Market Share & Forecast
 - 8.3.1.2.1. By Component
 - 8.3.1.2.2. By End User
 - 8.3.1.2.3. By Simulator Type
- 8.3.2. Saudi Arabia Racing Simulator Market Outlook
 - 8.3.2.1. Market Size & Forecast
 - 8.3.2.1.1. By Value
 - 8.3.2.2. Market Share & Forecast
 - 8.3.2.2.1. By Component
 - 8.3.2.2.2. By End User
 - 8.3.2.2.3. By Simulator Type
- 8.3.3. UAE Racing Simulator Market Outlook
 - 8.3.3.1. Market Size & Forecast
 - 8.3.3.1.1. By Value
 - 8.3.3.2. Market Share & Forecast
 - 8.3.3.2.1. By Component
 - 8.3.3.2.2. By End User
 - 8.3.3.2.3. By Simulator Type
- 8.3.4. Turkey Racing Simulator Market Outlook
 - 8.3.4.1. Market Size & Forecast
 - 8.3.4.1.1. By Value
 - 8.3.4.2. Market Share & Forecast
 - 8.3.4.2.1. By Component
 - 8.3.4.2.2. By End User
 - 8.3.4.2.3. By Simulator Type

9. SOUTH AMERICA RACING SIMULATOR MARKET OUTLOOK

- 9.1. Market Size & Forecast
 - 9.1.1. By Value
- 9.2. Market Share & Forecast
 - 9.2.1. By Component
 - 9.2.2. By End User
 - 9.2.3. By Simulator Type
 - 9.2.4. By Country
- 9.3. South America: Country Analysis
 - 9.3.1. Brazil Racing Simulator Market Outlook
 - 9.3.1.1. Market Size & Forecast
 - 9.3.1.1.1. By Value

- 9.3.1.2. Market Share & Forecast
 - 9.3.1.2.1. By Component
 - 9.3.1.2.2. By End User
 - 9.3.1.2.3. By Simulator Type
- 9.3.2. Argentina Racing Simulator Market Outlook
 - 9.3.2.1. Market Size & Forecast
 - 9.3.2.1.1. By Value
 - 9.3.2.2. Market Share & Forecast
 - 9.3.2.2.1. By Component
 - 9.3.2.2.2. By End User
 - 9.3.2.2.3. By Simulator Type
- 9.3.3. Colombia Racing Simulator Market Outlook
 - 9.3.3.1. Market Size & Forecast
 - 9.3.3.1.1. By Value
 - 9.3.3.2. Market Share & Forecast
 - 9.3.3.2.1. By Component
 - 9.3.3.2.2. By End User
 - 9.3.3.2.3. By Simulator Type

10. MARKET DYNAMICS

- 10.1. Drivers
- 10.2. Challenges

11. KEY MARKET DISRUPTIONS

- 11.1. Conflicts
- 11.2. Pandemic
- 11.3. Trade Barriers

12. MARKET TRENDS & DEVELOPMENTS

13. POLICY & REGULATORY LANDSCAPE

14. COMPETITIVE LANDSCAPE

- 14.1. Company Profiles
 - 14.1.1. CXC Simulations
 - 14.1.1.1. Business Overview

- 14.1.1.2. Company Snapshot
- 14.1.1.3. Products & Services
- 14.1.1.4. Financials (As Per Availability)
- 14.1.1.5. Key Market Focus & Geographical Presence
- 14.1.1.6. Recent Developments
- 14.1.1.7. Key Management Personnel
- 14.1.2. Trak Racer
- 14.1.3. Next Level Racing
- 14.1.4. D-Box Technologies, Inc.
- 14.1.5. Vi-Grade GmbH
- 14.1.6. Cruden B.V.
- 14.1.7. AB Dynamics Plc (Ansible Motion Ltd)
- 14.1.8. Cranfield Simulation
- 14.1.9. Simxperience
- 14.1.10. Simworx Pty Ltd

15. STRATEGIC RECOMMENDATIONS

16. ABOUT US & DISCLAIMER

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