

Semi-Autonomous Vehicle Market: Segmented By Level of Automation (Level 1, Level 2, Level 3), By Vehicle Type (Passenger Car, Commercial Vehicle and Others), And Region – Global Analysis Of Market Size, Share & Trends For 2019–2020 And Forecasts To 2031

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Abstracts

[176 + Pages Research Report] Semi-Autonomous Vehicle Market to surpass USD 24.12 billion by 2031 from USD 18.79 billion in 2021 at a CAGR of 2.57% in the coming years, i.e., 2021-31.

Product Overview

Semi-Autonomous Vehicle Market are vehicles that are skilled by detecting the environment and navigating. In semi-autonomous cars, the accountability of driving is displaced to the driver, and the technology is used in the vehicles for driver-air and safety components. Recognized vehicle-makers such as Nissan, Tesla, Mercedes-Benz, and Volvo have been strongly focusing on developing semi-autonomous cars in recent year.

Market Highlights

Global Semi-Autonomous Vehicle market is expected to project a notable CAGR of 2.57% in 2031.

Global Semi-Autonomous Vehicle Market to surpass USD 24.12 billion by 2031 from USD 18.79 billion in 2021 at a CAGR of 2.57% in the coming years, i.e., 2021-31. The swift growth can be attributed to the increasing implementation of driver-assisted technologies, thereby improving the driving experience. The confluence of skills such as electronic braking, adaptive cruise control, and obstacle detection; and continuous technological inventions happening in driving technologies provide an impetus to market

growth.

Semi-Autonomous Vehicle market: Segments

Passenger Car segment to grow with the highest CAGR during 2021-31

Global Semi-Autonomous Vehicle market is classified on the basis of Vehicle Type into Passenger Car, Commercial Vehicle and Others. Passenger Car segment dominates the market share globally. The presence of a large number of passenger cars the increasing need to improve the driving experience promotes the implementation of semi-automated vehicles. Semi-autonomous technology enables drivers to navigate through traffic and maneuver sharp turns more effectively and safely, thereby ensuring lesser stress on the driver.

Level 1 segment to grow with the highest CAGR during 2021-31

Global Semi-Autonomous Vehicle market is classified on the basis of Level of Automation into Level 1, Level 2, Level 3. Level 1 Type segment dominates the market share globally. This can be accredited to the increasing demand for automobile customers to engage in assisted driving technologies. Level 1 automation in cars helps in increasing vehicle efficiency by providing an optimum level of manual control and easy flexibility

Market Dynamics

Drivers

High growth in connected vehicle technology

High growth in connected vehicle technology and active mobility application boosts the market growth. Moreover, the rise in need for safe, secure and efficient driving option and integrity of technology are also highly affecting the growth of the semi-autonomous and autonomous vehicle market. Additionally, the fast advances in several in-vehicle technologies and sensors are another driver expected to boost the semi-autonomous and autonomous vehicle market growth.

Artificial Intelligence (AI) offers promising growth

Artificial Intelligence (AI) provide promising growth creations to the semi-autonomous cars market owing to its usage in several application cases within automotive. The adoption of AI-models helps in pattern and obstacle recognition, which aid to

understand verbal sounds, non-verbal cues, and gestures. There has been a growing trend in the adoption of AI for steering mechanism which simplifies driving effort, improves engine performance, and increase fuel efficiency.

Restraint

Strict regulations

The market of semi-autonomous vehicle though has certain challenges which are anticipated to limit the potential growth of the market such as the growth in cyber security and safety concerns and non-availability of required infrastructure in developing nations, whereas the crowd navigation and undefined legal responsibility can restraint the growth of the semi-autonomous and autonomous vehicle market in the forecast years.

Semi-Autonomous Vehicle market: Key Players

Volkswagen AG

Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis

ZF Friedrichshafen AG

Daimler AG

Texas Instruments Incorporated

DENSO CORPORATION, BYD Company Ltd.

Robert Bosch GmbH

AB Volvo

Nissan

BorgWarner Inc.

Visteon Corporation

Continental AG

NXP Semiconductors

BMW AG

Magna International Inc.

Infineon Technologies AG

Renesas Electronics Corporation

Intel Corporation

Other Prominent Players

Global Semi-Autonomous Vehicle market: Regions

Global Semi-Autonomous Vehicle market is segmented based on regional analysis into five major regions: North America, Latin America, Europe, Asia Pacific and the Middle East and Africa. Asia Pacific dominates the Semi-Autonomous Vehicle market. The maximum growth rate can be attributed due to a strong AI hub in China, Japan, Singapore, and India, allowing automotive companies to gain easy access to automotive-specific AI programs and solutions.

Global Semi-Autonomous Vehicle is further segmented by region into:

North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – the United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey and Rest of Europe

Asia Pacific Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia, and Rest of APAC

the Middle East and Africa Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa and Rest of MENA

Global Semi-Autonomous Vehicle report also contains analysis on:

Semi-Autonomous Vehicle Segments:

By Type

Citrus

Lavender

Rosemary

tea tree

Peppermint

Citronella

Others

By Application

Aromatherapy

Cosmetics and Personal Care

Food & Beverages

Home Care Products

Other Industrial Use

Semi-Autonomous Vehicle Dynamics

Semi-Autonomous Vehicle Size

Supply & Demand

Current Trends/Issues/Challenges

Competition & Companies Involved in the Market

Value Chain of the Market

Market Drivers and Restraints

Semi-Autonomous Vehicle Market Report Scope and Segmentation

Report Attribute Details

Market size value in 2021 USD 14.58 billion

Revenue forecast in 2031 USD 18.79 billion

Growth Rate CAGR of 2.57% from 2021 to 2031

Base year for estimation 2020

Quantitative units Revenue in USD million and CAGR from 2021 to 2030

Report coverage

Revenue forecast, company ranking, competitive landscape, growth factors, and trends

Segments covered

Type, Application and Region

Regional scope North America, Europe, Asia Pacific, Latin America, Middle East & Africa (MEA)

Key companies profiled ZF Friedrichshafen AG, Volkswagen AG, Daimler AG, Texas Instruments Incorporated, DENSO CORPORATION, BYD Company Ltd., Robert Bosch GmbH, AB Volvo, Nissan, BorgWarner Inc., Visteon Corporation, Continental AG, NXP Semiconductors, BMW AG, Magna International Inc., Infineon Technologies AG, Renesas Electronics Corporation, Intel Corporation and Other Prominent Players

Contents

1. EXECUTIVE SUMMARY

2. GLOBAL SEMI-AUTONOMOUS VEHICLE MARKET

- 2.1. Product Overview
- 2.2. Market Definition
- 2.3. Segmentation
- 2.4. Assumptions and Acronyms

3. RESEARCH METHODOLOGY

- 3.1. Research Objectives
- 3.2. Primary Research
- 3.3. Secondary Research
- 3.4. Forecast Model
- 3.5. Market Size Estimation

4. AVERAGE PRICING ANALYSIS

5. MACRO-ECONOMIC INDICATORS

6. MARKET DYNAMICS

- 6.1. Growth Drivers
- 6.2. Restraints
- 6.3. Opportunity
- 6.4. Trends

7. CORRELATION & REGRESSION ANALYSIS

- 7.1. Correlation Matrix
- 7.2. Regression Matrix

8. RECENT DEVELOPMENT, POLICIES & REGULATORY LANDSCAPE

9. RISK ANALYSIS

9.1. Demand Risk Analysis

9.2. Supply Risk Analysis

10. GLOBAL SEMI-AUTONOMOUS VEHICLE MARKET ANALYSIS

10.1. Porters Five Forces

10.1.1. Threat of New Entrants

10.1.2. Bargaining Power of Suppliers

10.1.3. Threat of Substitutes

10.1.4. Rivalry

10.2. PEST Analysis

10.2.1. Political

10.2.2. Economic

10.2.3. Social

10.2.4. Technological

11. GLOBAL SEMI-AUTONOMOUS VEHICLE MARKET

11.1. Market Size & forecast, 2020A-2030F

11.1.1. By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

11.1.2. By Volume (Million Units) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12. GLOBAL SEMI-AUTONOMOUS VEHICLE MARKET: MARKET SEGMENTATION

12.1. By Regions

12.1.1. North America:(U.S. and Canada), By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12.1.2. Latin America: (Brazil, Mexico, Argentina, Rest of Latin America), By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12.1.3. Europe: (Germany, UK, France, Italy, Spain, BENELUX, NORDIC, Hungary, Poland, Turkey, Russia, Rest of Europe), By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12.1.4. Asia-Pacific: (China, India, Japan, South Korea, Indonesia, Malaysia, Australia, New Zealand, Rest of Asia Pacific), By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12.1.5. Middle East and Africa: (Israel, GCC, North Africa, South Africa, Rest of Middle East and Africa), By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12.2. By Level of Automation: Market Share (2020-2030F)

- 12.2.1. Level 1, By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F
- 12.2.2. Level 2, By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F
- 12.2.3. Level 3, By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F
- 12.3. By Vehicle Type: Market Share (2020-2030F)
 - 12.3.1. Passenger Car, By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F
 - 12.3.2. Commercial Vehicle, By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F
 - 12.3.3. Other, By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

1. COMPANY PROFILE

1. VOLKSWAGEN AG

1. COMPANY OVERVIEW

2. COMPANY TOTAL REVENUE (FINANCIALS)

3. MARKET POTENTIAL

4. GLOBAL PRESENCE

5. KEY PERFORMANCE INDICATORS

6. SWOT ANALYSIS

7. PRODUCT LAUNCH

2. ZF FRIEDRICHSHAFEN AG

3. DAIMLER AG

4. TEXAS INSTRUMENTS INCORPORATED

5. DENSO CORPORATION, BYD COMPANY LTD.

6. ROBERT BOSCH GMBH

7. AB VOLVO

8. NISSAN

9. BORGWARNER INC.

10. VISTEON CORPORATION

11. CONTINENTAL AG

12. NXP SEMICONDUCTORS

13. BMW AG

14. MAGNA INTERNATIONAL INC.

15. INFINEON TECHNOLOGIES AG

16. RENESAS ELECTRONICS CORPORATION

17. INTEL CORPORATION

18. OTHER PROMINENT PLAYERS

Consultant Recommendation

****The above-given segmentation and companies could be subjected to further modification based on in-depth feasibility studies conducted for the final deliverable.**

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