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Global Autonomous Vehicle (AV) Market 2020-2030 by Offering, Automation Level (Level 1 - Level 5), Vehicle Type, Power, ADAS Feature, Ownership, and Region: Trend Outlook and Growth Opportunity

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Abstracts

Global autonomous vehicle market is expected to reach $327.19 billion by 2030, representing a revised 2020-2030 CAGR of 22.6%. The annual shipment of autonomous vehicle will grow to 12.21 million units in 2030 with a 2020-2030 CAGR of 24.9% in global market considering the impact of COVID-19 pandemic.

Highlighted with 106 tables and 133 figures, this 237-page report “Global Autonomous Vehicle (AV) Market 2020-2030 by Offering, Automation Level (Level 1 - Level 5), Vehicle Type, Power, ADAS Feature, Ownership, and Region: Trend Outlook and Growth Opportunity” is based on a comprehensive research of the entire global autonomous vehicle market and all its sub-segments through extensively detailed classifications. Profound analysis and assessment are generated from premium primary and secondary information sources with inputs derived from industry professionals across the value chain. In this report 2019 is the base year for market analysis, with estimates and forecast covering 2020-2030. (Please Note: Year 2020 is not appropriate for research base due to the outbreak of COVID-19.)

In-depth qualitative analyses include identification and investigation of the following aspects:

Market Structure

Growth Drivers

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Restraints and Challenges

Emerging Product Trends & Market Opportunities

Porter's Fiver Forces

The trend and outlook of global market is forecast in optimistic, balanced, and conservative view. The balanced (most likely) projection is used to quantify global autonomous vehicle market in every aspect of the classification from perspectives of Offering, Automation Level, Vehicle Type, Power, ADAS Feature, Ownership, and Region.

Based on offering, the global market is segmented into the following sub-markets with annual revenue for 2019-2030 included in each section.

Hardware

Software

Service

Based on automation level, the global market is segmented into the following sub-markets with annual revenue ($ mn), average selling price (USD/unit), and shipment (thousand units) for 2019-2030 included in each section.

Level 1 (Driver Assistance)

Level 2 (Partial Automation)

Level 3 (Conditional Automation)

Level 4 (High Automation)

Level 5 (Full Automation)

Based on Vehicle Type, the global market is segmented into the following sub-markets with annual revenue ($ mn) and shipment (thousand units) for 2019-2030.

- Passenger Vehicles
  - Car/Robo-taxi
  - Van/Shuttle
- Commercial Vehicles
  - Self-driving Trucks
  - Self-driving Buses

Based on power, the global market is segmented into the following sub-markets with annual revenue ($ mn) and shipment (thousand units) for 2019-2030 included in each section.

- Electric Cell
- Fuel Cell
- Hybrid

Based on ADAS Feature, the global ADAS System market is segmented into the following sub-markets with annual revenue ($ mn) for 2019-2030 included in each section.

- Lane Assist (LA)
- Crash Warning System (CWS)
- Blind Spot Detection (BSD)
- Adaptive Cruise Control (ACC)
- Smart Park Assist (SPA)

Cross Traffic Alert (CTA)

Automatic Emergency Braking (AEB)

Traffic Jam Assist (TJA)

Intelligent Park Assist (IPA)

Based on Vehicle Ownership, the global market is segmented into the following sub-markets with annual revenue ($ mn) and shipment (thousand units) for 2019-2030 included in each section.

Private Vehicles

Shared Vehicles

Geographically, the following regions together with the listed national/local markets are fully investigated:

APAC (Japan, China, South Korea, Australia, India, and Rest of APAC; Rest of APAC is further segmented into Malaysia, Singapore, Indonesia, Thailand, New Zealand, Vietnam, and Sri Lanka)

Europe (Germany, UK, France, Spain, Italy, Rest of Europe; Rest of Europe is further segmented into Russia, Denmark, Austria, Norway, Sweden, The Netherlands, Poland, Czech Republic, Slovakia, Hungary, and Romania)

North America (U.S. and Canada)

Latin America (Brazil, Mexico, Argentina, Rest of Latin America)

RoW (Saudi Arabia, UAE, South Africa)

For each of the aforementioned regions and countries, market analysis and revenue/unit shipment data are available for 2019-2030. The breakdown of all regional markets by country and split of major national markets by Automation Level, Vehicle Type, Power, and Ownership over the study years (2019-2030) are also included.

The report also covers current competitive scenario and the predicted trend; and profiles key vendors including market leaders and important emerging players.

Specifically, potential risks associated with investing in global autonomous vehicle market are assayed quantitatively and qualitatively through GMD’s Risk Assessment System. According to the risk analysis and evaluation, Critical Success Factors (CSFs) are generated as a guidance to help investors & stockholders identify emerging opportunities, manage and minimize the risks, develop appropriate business models, and make wise strategies and decisions.

Key Players (this may not be a complete list and extra companies can be added upon request):

AUDI AG

Baidu

BMW Group

Daimler AG

Delphi

FCA Italy S.p.A.

Ford Motor Company

General Motors

MAN SE

Nissan Motor Co., Ltd

Tesla, Inc.

Toyota Motor Corporation

Volkswagen AG

Volvo Group

Waymo LLC

Zoox Inc.

(Please Note: The report will be updated before delivery to make sure that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

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