

# Global Applied AI in Autonomous Vehicles Market Growth (Status and Outlook) 2024-2030

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## Abstracts

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The practical application of artificial intelligence technology to allow self-driving capabilities and improve various elements of autonomous vehicle operation is referred to as applied AI in autonomous cars. This entails using AI algorithms, machine learning techniques, and powerful data processing to develop cars that can navigate, sense their surroundings, make judgments, and interact with their environments without the need for human interaction. To accurately detect the vehicle's surroundings, AI algorithms process data from sensors such as LiDAR, radar, cameras, and ultrasonic sensors. Sensor fusion techniques combine data from various sensors to provide a complete and trustworthy picture of the environment.

The global Applied AI in Autonomous Vehicles market size is projected to grow from US\$ 1635 million in 2024 to US\$ 5747 million in 2030; it is expected to grow at a CAGR of 23.3% from 2024 to 2030.

LPI (LP Information)' newest research report, the "Applied AI in Autonomous Vehicles Industry Forecast" looks at past sales and reviews total world Applied AI in Autonomous Vehicles sales in 2022, providing a comprehensive analysis by region and market sector of projected Applied AI in Autonomous Vehicles sales for 2023 through 2029. With Applied AI in Autonomous Vehicles sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Applied AI in Autonomous Vehicles industry.

This Insight Report provides a comprehensive analysis of the global Applied AI in Autonomous Vehicles landscape and highlights key trends related to product

segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyses the strategies of leading global companies with a focus on Applied AI in Autonomous Vehicles portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Applied AI in Autonomous Vehicles market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Applied AI in Autonomous Vehicles and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Applied AI in Autonomous Vehicles.

Autonomous vehicles, seen by many as the future of personal and public means of transport, are slowly gaining market share. In 2019, there were some 31 million cars with at least some level of automation in operation worldwide. It is expected that their number will surpass 54 million in 2024. Correspondingly, the global autonomous car market is projected to grow as well. AD could create massive value for the auto industry, generating hundreds of billions of dollars before the end of this decade, McKinsey research shows.

This report presents a comprehensive overview, market shares, and growth opportunities of Applied AI in Autonomous Vehicles market by product type, application, key players and key regions and countries.

Segmentation by Type:

Machine Learning

Natural Language Processing

Computer Vision

Context-Aware Computing

Others

Segmentation by Application:

Passenger Cars

Commercial Vehicles

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

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Australia

### Europe

Germany

France

UK

Italy

Russia

### Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Alphabet

Tesla

Baidu

Ford

Mircosoft

Volvo

Toyoto

Aptiv

Intel

Continental

Bosch

Nvidia



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