

Artificial Intelligence Cars and Light Trucks Market Shares, Strategies, and Forecasts

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Abstracts

Worldwide markets are poised to achieve significant growth as Artificial Intelligence (AI) cars and light trucks permit users to implement automated driving. Fleet vehicles from Uber, Google and similar users are likely to be the early adopter groups, creating vehicles that do package delivery and ride sharing. Tesla, Mercedes, and Audi are among the vendors with a leadership position in the personal luxury vehicle artificial intelligence (AI) car markets. These cars provide performance and cater to individual preference in feature function packages and styling.

Every car maker seeks to participate in this Artificial Intelligence (AI) personal vehicle market. The ability to do so depends on implementing next generation technology that is very expensive to get working. Vendors are seeking to work together to set standards and develop shared modules that provide basic functionality. Cameras, sensors, artificial intelligence software, and LiDAR are among the modules being developed.

Autonomous vehicle technology has the potential to institute major change in personal mobility. Autonomous cars are the next generation of manual cars, poised to provide thrust for a large replacement market. Autonomous vehicles are the base for building personal car services, particularly in large cities. Carmakers and Silicon Valley companies bring different skills to the task of building a Artificial Intelligence (AI) car. Together they are finding common ground to transform the personal vehicle industry. One thing they are unlikely to transform is performance.

Every person who owns a vehicle has a preference on performance. The Tesla has gained recognition for offering a Artificial Intelligence (AI) vehicle, but it is first and foremost a performance vehicle. This characteristic will not change as Artificial Intelligence (AI) vehicles come on the market. People like the customization of features

and functions in their car.

This customization aspect of Artificial Intelligence (AI) vehicles does not get talked about much, but it is a very important part of the industry. It will not go away just because cars are run by software. From auto racing to personal preference, every car has its own personality and its own comfort. Performance is part of the package. Every car maker seeks to participate in this Artificial Intelligence (AI) personal vehicle market with a distinctive offering. The ability to have unique appeal to customers depends on implementing next generation technology in a manner that works effectively and is relatively inexpensive to implement.

Apple, IBM, and Google are sure to be among the significant software vendors for all the Artificial Intelligence (AI) car and light truck market participants. IBM has a huge head start with its excellent middleware branded integrated solutions that are hardened and reliable. Google has mindshare and early market success with its early market trials.

As automated process hits the auto industry as a disruptive force, it parallels the automated piloting of the airline industry that saw significant labor savings implementation. Automated vehicle driving can be done anywhere just by connecting the car to integrated adaptive cruise control, adaptive steering and braking, and lane assist systems all working off one central processor.

Artificial Intelligence (AI) cars and light trucks incrementally add automated process to driving. As software is added to cars and light trucks it is done in concert with modification to the steering, braking, and other automotive systems. Autonomous functions for vehicles are increasingly adopted.

Change is incremental, we do not have fully functioning Artificial Intelligence (AI) cars immediately, rather, steering, collision avoidance, parking, test driving, series of camera and radar based monitoring systems, lane assist, and adaptive cruise control are being implemented, presaging rapid adoption of Artificial Intelligence (AI) cars and light trucks as the various functions mature and work in the real world.

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