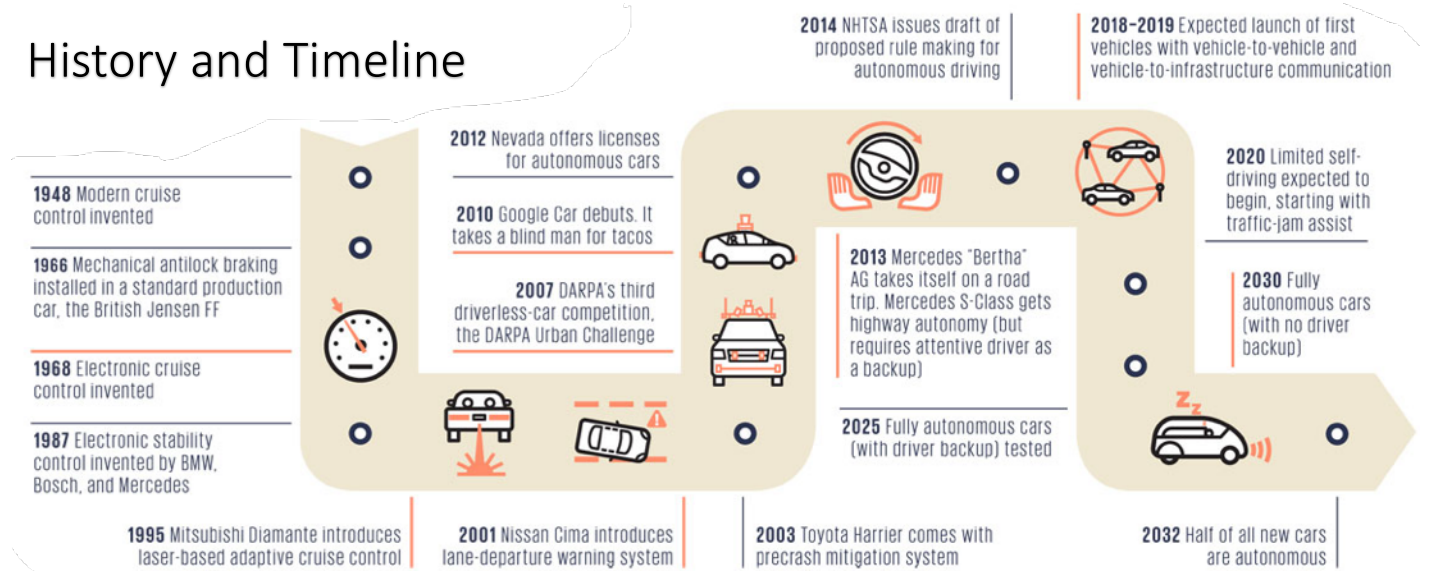


Autonomous Vehicles

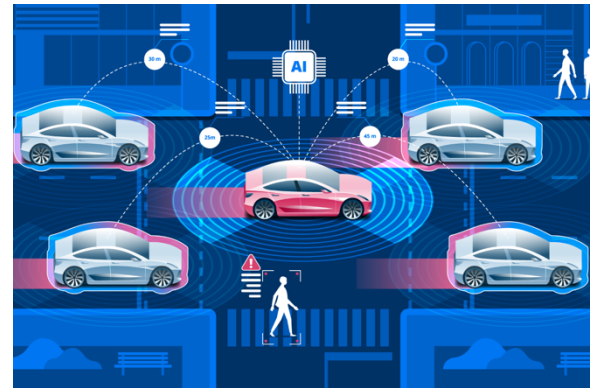
History and Timeline



Autonomous vehicles have been a significant challenge for engineers since 1950s. Many developments have been made since then. From cruise control to smart vehicles. This is the timeline of how much efforts have been put over the years.

Vehicle-to-Vehicle Communication

Vehicle-to-vehicle (V2V) communication enables vehicles to wirelessly exchange information about their speed, location, and heading. These V2V communication messages have a range of more than 300 meters and can detect dangers obscured by traffic, terrain, or weather. V2V communication extends and enhances currently available crash avoidance systems that use radars and cameras to detect collision threats.



Technology in Autonomous Vehicles

The three primary autonomous vehicle sensors are camera, radar and lidar.

- Camera deals in visuals and look for the surroundings for different objects and obstacles.
- Radar is used for measuring distances and speed between different vehicles and objects.
- Lidar is used for making a 3D model of surrounding around the car as shown in the visual.

