

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.

Contents

ARTIFICIAL INTELLIGENCE (AI) CARS AND LIGHT TRUCKS EXECUTIVE SUMMARY

Artificial Intelligence (AI) Car and Light Truck Market Driving Forces

Artificial Intelligence (AI) Cars, Light Trucks, SUVs

Artificial Intelligence (AI) Cars / Connected Cars / Transportation

Artificial Intelligence (AI) Car and Light Truck Market Shares

Artificial Intelligence (AI) Software Market Share of Companies in The Computer and Auto Industries

Companies in The Tech Industries Building Auto Artificial Intelligence (AI) Processors

Artificial Intelligence (AI) Car and Light Truck Software, Component, and Vehicle Auto Market Forecasts

Artificial Intelligence Integrated Software Systems Auto Market

Artificial Intelligence (AI) Car and Light Truck Market Forecasts

Artificial Intelligence (AI) Car Forecasts

1. ARTIFICIAL INTELLIGENCE (AI) CARS AND TRUCKS MARKET DEFINITION AND MARKET DYNAMICS

1.1 Artificial Intelligence (AI) in Cars

1.1.1 Airplanes Utilize Artificial Intelligence (AI) to Land Themselves

1.1.1 Artificial Intelligence (AI) Visionary Constructs Continue To Set The Pace For Cars and Personal Vehicles

1.1.2 Total Number of Cars Owned And / Or In Existence

1.2 Advanced Artificial Intelligence (AI) Technology

1.2.1 Artificial Intelligence (AI) Adaptive Cruise Control

1.2.2 Artificial Intelligence (AI) Automatic Braking Technologies

1.2.3 Artificial Intelligence (AI) Automatic Brakes

1.2.4 Artificial Intelligence (AI) Driver-Assist Technologies

1.2.5 Ford TAP Artificial Intelligence (AI) Auto Control System

1.2.6 Researchers at Facebook Have Created Bots Smart Enough To Chatter In A New Language That Is Not Understandable To Humans

1.2.7 Elon Musk: Warns About AI in Cars

1.3 Urban Move to Mega Cities

1.4 Artificial Intelligence (AI) Car Enabling Technologies

1.4.1 Sensor Processing

1.4.2 Artificial Intelligence (AI) Machine Autonomy

- 1.4.3 Agricultural Robotic Use of Global Positioning
- 1.4.4 Military Spending On Artificial Intelligence (AI)
- 1.4.5 Autonomous Vehicle Software Integration Market
- 1.4.6 Advanced Autonomous Car Software
- 1.4.7 Autonomous Vehicle Software Areas That Need Improvement
- 1.4.8 Collision Detection Machine Vision
- 1.5 Artificial Intelligence (AI) Car and Truck Challenges
 - 1.5.1 Electric Car Ownership Stimulates Customized Speeds and Performance in Autonomous Cars

2. ARTIFICIAL INTELLIGENCE (AI) IN PERSONAL VEHICLES MARKET SHARES AND MARKET FORECASTS

- 2.1 Artificial Intelligence (AI) Car and Light Truck Market Driving Forces
 - 2.1.1 Artificial Intelligence (AI) Cars, Light Trucks, SUVs
 - 2.1.2 Artificial Intelligence (AI) Cars / Connected Cars / Transportation
- 2.2 Artificial Intelligence (AI) Car and Light Truck Market Shares
 - 2.2.1 Artificial Intelligence (AI) Software Market Share of Companies in The Computer and Auto Industries
 - 2.2.2 Companies in The Tech Industries Building Auto Artificial Intelligence (AI) Processors
 - 2.2.3 Companies in The Automobile Industries Investing in Artificial Intelligence (AI) Vehicles
 - 2.2.4 Adaptive Cruise Control Step One to Artificial Intelligence (AI)
 - 2.2.5 Advanced Driver-Assistance Systems (ADAS) Safety-Enhancing Systems
 - 2.2.6 Alphabet, Waymo: Google
 - 2.2.7 BMW
 - 2.2.8 BMW And Intel To Bring A Fleet of Artificial Intelligence (AI) Cars To The Road By The End Of
 - 2.2.9 BMW and MIT
 - 2.2.10 Daimler AG / Mercedes-Benz Self Driving Car
 - 2.2.11 Mercedes Artificial Intelligence (AI)
 - 2.2.12 Volvo
 - 2.2.13 Volvo Artificial Intelligence (AI) Cars on Swedish roads
 - 2.2.14 Samsung
 - 2.2.15 GM
 - 2.2.16 GM Chevrolet Impala
 - 2.2.17 Volkswagen
 - 2.2.18 First Fully Autonomous Volkswagen Audi Comes in

- 2.2.19 Ford / Lincoln
- 2.2.20 Lincoln Adaptive Cruise Control
- 2.2.21 Tesla
- 2.2.22 Tesla Autonomous Driving
- 2.2.23 Jaguar Driverless Cars
- 2.2.24 IBM
- 2.2.25 IBM / Ford Automotive Vehicle System M2M
- 2.2.26 Ford Artificial Intelligence (AI) Controlled Vehicles On Test Track
- 2.2.27 Toyota Production LS 2013 Model Artificial Intelligence (AI) Tools Technology
- 2.2.28 Hyundai Genesis Smart Cruise Control
- 2.2.29 Nissan
- 2.2.30 Kairos Autonami Pronto4
- 2.2.31 Intel
- 2.2.32 Intel / Mobileye
- 2.2.33 Intel Targets Driverless Cars
- 2.2.34 Bosch Deepfield Robotics
- 2.2.35 Bosch BoniRob
- 2.2.36 Uber
- 2.2.37 Selected Company Investment or Planned Investment in Autonomous Vehicle Technology
- 2.3 Artificial Intelligence (AI) Car and Light Truck Software, Component, and Vehicle Auto Market Forecasts
 - 2.3.1 Artificial Intelligence Integrated Software Systems Auto Market
 - 2.3.2 Artificial Intelligence Integrated Circuit, Sensor, and Component Systems Auto Market
 - 2.3.3 Examples of Sensors Used in Autonomous Vehicles
 - 2.3.4 Auto Processors 189 Auto Processor
 - 2.3.5 Artificial Intelligence (AI) Car Forecasts
 - 2.3.6 Autonomous Car and Autonomous Light Truck / SUV Shipments and Installed Base
 - 2.3.7 Autonomous Luxury Car Market Forecasts
 - 2.3.8 Autonomous Mid-Size Car Market Forecasts
 - 2.3.9 Autonomous Light Car Shipments Market Forecasts
 - 2.3.10 Autonomous Light Truck / SUV Shipments Market Forecasts
 - 2.3.11 Autonomous Personal Vehicles: Car and Autonomous Light Truck / SUV Shipments Market Forecasts, Level 2 and Level
 - 2.3.12 "All-Purpose" Vehicles
 - 2.3.13 Multiple Cars Per Person
 - 2.3.14 Artificial Intelligence (AI) Car Unit Analysis and Forecasts

- 2.3.15 Artificial Intelligence (AI) Car Level 2 through 5 Forecasts
- 2.3.16 Artificial Intelligence (AI) Technology With Vision-Based Systems
- 2.3.17 Artificial Intelligence (AI) Trucks
- 2.3.18 European Truck Platooning
- 2.3.19 Autonomous Trucking Platooning Functions
- 2.3.20 Dutch Ministry of Infrastructure and the Environment Truck Platooning
- 2.3.21 Autonomous Trucking Artificial Intelligence (AI) Trucks Platooning Challenge
- 2.3.22 US Self Driving Trucks
- 2.3.23 Truck Platooning Technology Needs Redundancy And Mitigation of Failure
- 2.3.24 Artificial Intelligence (AI) Truck Cost
- 2.4 Autonomous Vehicle IoT chipsets
 - 2.4.1 IoT Data Use Forecasts
 - 2.4.2 IoT ecosystem
 - 2.4.3 Smart Cities Internet of Things (IoT)
- 2.5 Autonomous Vehicle Software
- 2.6 Artificial Intelligence (AI) Car and Truck Prices
- 2.7 Artificial Intelligence (AI) Car and Truck Regional Market Segments
 - 2.7.1 US
 - 2.7.2 China
 - 2.7.3 Valeo in China
 - 2.7.4 India
 - 2.7.5 Wabco Artificial Intelligence (AI) Regional Participation
 - 2.7.6 Ford North America
 - 2.7.7 Artificial Intelligence (AI) Car Regional Analysis
 - 2.7.8 Japan's Leaders Want To Make Tokyo A Artificial Intelligence (AI) City For 2020 Olympics
 - 2.7.9 Autonomous Vehicle Market Forecasts By Region
 - 2.7.10 Artificial Intelligence (AI) Military Vehicle Regional Market Segments, Dollars

3. ARTIFICIAL INTELLIGENCE (AI) CARS AND TRUCKS PRODUCT DESCRIPTION

- 3.1 Nvidia
- 3.2 Tesla Model S
 - 3.2.1 Tesla Dual Motor Model S
 - 3.2.2 Tesla Motors Computer-Assisted Mode Car Involved in Fatal Crash while Driving Autonomously
 - 3.2.3 Tesla Hardware Safety Features
 - 3.2.4 Tesla artificial intelligence (AI) Software Safety Features
 - 3.2.5 Tesla Artificial Intelligence (AI) Driverless Car Features

- 3.2.6 Tesla Autopilot
- 3.2.7 Tesla AI Autopilot Parking
- 3.2.8 Tesla Safety
- 3.3 Google Spins off Self Driving Car to Alphabet Waymo
 - 3.3.1 Waymo AI Takes Over Driving
 - 3.3.2 Google Artificial Intelligence (AI) in Talks with Ford, Toyota and Volkswagen Over Standards
 - 3.3.3 Waymo / Google Artificial Intelligence (AI) Car
 - 3.3.4 Waymo Ride Sharing
- 3.4 Uber
 - 3.4.1 Uber Autonomous Trucks Developed by Otto
 - 3.4.2 Uber / Carnegie Mellon Partnership
 - 3.4.3 Uber Endorses Artificial Intelligence (AI) Cars for Its Business
 - 3.4.4 Uber Ride Sharing App
 - 3.4.5 Uber Purchases AI Startup, Creates Machine Learning Lab
- 3.5 Apple
 - 3.5.1 Apple Testing Artificial Intelligence (AI) Auto-Pilot
 - 3.5.2 Apple
 - 3.5.3 Apple Internet of Things Smart Car Platform
 - 3.5.4 Apple IoT
 - 3.5.5 Apple Self-Driving Car Testing
- 3.6 Amazon
 - 3.6.1 Amazon Research in Autonomous Technology
- 3.7 Toyota
 - 3.7.1 Toyota Concept-i
 - 3.7.2 Toyota Lexus Division Modified Lexus LS Sedan.
 - 3.7.3 Japanese Lexus Car Aims At Zero Casualties
 - 3.7.4 Toyota Lexus Adaptive Cruise Control
- 3.8 Volkswagen / Audi / Porsche
 - 3.8.1 First Fully Autonomous Audi Comes in
 - 3.8.2 Audi Artificial Intelligence (AI) Car Travels 550 Miles from San Francisco to Las Vegas
 - 3.8.3 Volkswagen
 - 3.8.4 Porsche / Volkswagen
- 3.9 SAP Artificial Intelligence (AI) IoT Focus
 - 3.9.1 Samsung, Seat, And SAP
 - 3.9.2 SAP Vehicles Network
 - 3.9.3 SAP IoT and Machine-To-Machine (M2M) Technology
- 3.10 Harman IoT Platform Supports Intelligent Navigation

3.11 Softbank

3.11.1 Softbank Arm Processor Has Protections Against Random Errors

3.11.2 Softbank Arm Yahoo Maps Service, And Related Data - Weather, Vehicle Congestion, Foot Traffic, And Events

3.11.3 Softbank IoT Addresses Artificial Intelligence (AI)

3.11.4 SoftBank ARM Acquisition Brings Internet of Things

3.11.5 SoftBank to Roll Out 'LoRaWAN' Low Power Wide Area Network

3.11.6 SoftBank IoT Environment Industry Sectors

3.11.7 SoftBank Builds a LoRaWAN Ecosystem.

3.11.8 SoftBank CEO Masayoshi Son Sees 1 Trillion Devices for Internet of Things

3.11.9 SoftBank Sees Massive MIMO as Key Part of Its 5G Project

3.12 Intel AI Sensor Processor

3.12.1 Intel® GO Automotive Solutions

3.13 Intel / Mobileye

3.14 IBM / Ford

3.14.1 IBM and Ford Have A Partnership To Jointly Develop Software That Provides Further Automation of Autos

3.14.2 IBM / Schaeffler Connected Vehicles:

3.14.3 IBM / Schaeffler Industry 4.0 for Tooling Machines:

3.14.4 IBM / Schaeffler Connected Equipment Operations Center:

3.14.5 IBM Watson IoT Used by Aerialtronics:

3.14.6 Partnership Between Visa and IBM Watson for IoT Automated Payments

3.14.7 IBM Addresses the Internet of Things

3.14.8 IBM Works with Ford On Artificial Intelligence (AI) Cars

3.14.9 IBM / Ford Automotive Vehicle System M2M

3.14.10 Ford Leveraging IBM Partnership, Using Sensors

3.14.11 IBM Smarter Planet Strategy

3.15 Ford Self Driving Car

3.15.1 Ford Goes Beyond Artificial Intelligence (AI) Cars

3.15.2 Ford Positioning To Serve Consumers By Seeking Safer Roads And More Fuel-Efficiency

3.15.3 Ford Artificial Intelligence (AI) Auto Control System

3.15.4 Ford Adaptive Cruise Control

3.15.5 Ford Fully Autonomous Vehicles

3.15.6 Ford / Lincoln

3.15.7 Lincoln Adaptive Cruise Control

3.15.8 Lincoln Active Park Assist

3.15.9 Lincoln Lane-Keeping System

3.15.10 Lincoln Intelligent Access with Push-Button Start

- 3.15.11 Lincoln BLIS® with Cross-Traffic Alert
- 3.16 Daimler / Mercedes
 - 3.16.1 Mercedes Vehicle to Vehicle Communication
 - 3.16.2 Mercedes Lets The Human Do The Thinking And Leaves The Driving To The Computer
 - 3.16.3 Mercedes Self Driving Car Interior
 - 3.16.4 Mercedes-Benz F
 - 3.16.5 Mercedes-Benz Leads In Concept Cars: Safety Leads the Research
 - 3.16.6 Daimler Artificial Intelligence (AI) Truck
- 3.17 Bosch and Daimler / Mercedes-Benz
 - 3.17.1 Bosch Deepfield Robotics
 - 3.17.2 Bosch BoniRob
 - 3.17.3 Bosch Deepfield Connect
- 3.18 Nissan
 - 3.18.1 Nissan and NASA To Build Zero-Emission Driverless Car
 - 3.18.2 Nissan EPORO Artificial Intelligence (AI) Car
- 3.19 / GM / Cadillac
 - 3.19.1 GM Self Driving Cadillac
 - 3.19.2 GM Safety Technology
 - 3.19.3 Buick LaCrosse
 - 3.19.4 GM Short-Range Communications Allows GM Cars To Use Alps Electric Radar Effectively
- 3.20 Volvo
 - 3.20.1 Volvo's Artificial Intelligence (AI) Technology Struggling to Identify Kangaroos In The Road
 - 3.20.2 Volvo's Self-Parking, Driverless Car
 - 3.20.3 Volvo Mobile App of the iPhone "Park Now" Button
- 3.21 BMW
 - 3.21.1 BMW Partially Automated Driving Functions
 - 3.21.2 BMW Autonomous Car Safety Features
 - 3.21.3 BMW Performance Limits of Its Driverless Car
 - 3.21.4 BMW's Driverless Cars in China
- 3.22 Subaru Adaptive Cruise Control
- 3.23 Honda
 - 3.23.1 Honda Artificial Intelligence (AI) Car in Detroit
- 3.24 Hyundai Genesis Smart Cruise Control
- 3.25 Tata Motors Limited / Jaguar Adaptive Cruise Control
 - 3.25.1 Jaguar Driverless Cars
 - 3.25.2 Tata Motors Limited / Jaguar / Land Rover

- 3.25.3 Land Rover Smart Driver Assistance Technologies
- 3.25.4 Land Rover Reverse Traffic Detection
- 3.25.5 Land Rover Electric Power-Assisted Steering with Park Assist
- 3.25.6 Land Rover Powerful Braking With Lightweight Brembo Calipers
- 3.25.7 Land Rover Enhanced Active Safety Technologies
- 3.25.8 Land Rover Engineered for Maximum Occupant Protection
- 3.25.9 Driverless Cars Shaped by Land Rover Technology
- 3.26 Chrysler 300 SRT8
 - 3.26.1 Fiat Chrysler Auto Electric Vehicle
 - 3.26.2 Chrysler Technology Recognizes When Things Slow Down
 - 3.26.3 Chrysler Backup, Safety & Security
 - 3.26.4 Dodge Durango
- 3.27 Kongsberg CORTEX
- 3.28 Kairos Autonomi Pronto4 Retrofitting System for Existing Vehicles or Vessels
 - 3.28.1 Kairos Fleet Management Leveraging Auto Mobility
 - 3.28.2 Kairos Pronto4 Agnostic Autonomy System Features
 - 3.28.3 Kairos ProntoMimic Software Suite
- 3.29 Lockheed Martin SMSS
 - 3.29.1 Lockheed Martin SMSS User-Proven Autonomy
 - 3.29.2 Lockheed Martin SMSS Unmanned Capabilities
- 3.30 General Dynamics Artificial Intelligence (AI) Systems
 - 3.30.1 General Dynamics Mobile Detection Assessment and Response System (MDARS)
 - 3.30.2 General Dynamics Tactical Autonomous Combat - Chassis (TAC - C)
- 3.31 Vision Robotics Automated Tractors
- 3.32 Nogchui Autonomous Tractor
 - 3.32.1 Professor Nogchui Agricultural Tractor Robot Uses Navigation Sensor Called AGI-3 GPS Compass Made by TOPCON
 - 3.32.2 Professor Nogchui Agricultural Tractor Robot Mapping System
 - 3.32.3 Nogchui Autonomous Tractor Robot Management Systems
- 3.33 Microsoft Agricultural Robot Software
 - 3.33.1 Synchronized Spraying
- 3.34 Hewlett Packard Enterprise (HPE) IoT Data Monetization
 - 3.34.1 Hewlett Packard IoT Ford Motor Company
 - 3.34.2 Hewlett Packard and Dubai Police IoT
 - 3.34.3 Hewlett Packard Smart Cities IoT
 - 3.34.4 HPE IAV IoT
- 3.35 Autonomous Tractor Corp. (ATC)
- 3.36 Robotic Tractors

3.37 John Deere

- 3.37.1 John Deere Autonomous Mower
- 3.37.2 Deere Smaller Tractors Autonomous Driving in Groups
- 3.37.3 John Deere Autonomous Tractor
- 3.37.4 John Deere Crop Spraying
- 3.37.5 John Deere Autonomous Tractors
- 3.37.6 John Deere

3.38 Harvest Automation

3.39 Texas Instruments Advanced Driver Assistance Systems (ADAS)

- 3.39.1 Texas Instrument Camera Capability for ADAS
- 3.39.2 TI ADAS Radar Support
- 3.39.3 TI ADAS Ultrasound Support
- 3.39.4 TI ADAS Full System Portfolio

4. ARTIFICIAL INTELLIGENCE (AI) CARS AND LIGHT TRUCKS TECHNOLOGY

4.1 Safety

- 4.1.1 Euro NCAP's Rating Scheme
- 4.1.2 In the US, Rear-Visibility Requirements

4.2 IoT Standards Ecosystem Growth

- 4.2.1 Unified Communication Standards

4.3 Standards

- 4.3.1 SAE International
- 4.3.2 U.S. Department of Transportation
- 4.3.3 European Union and European Commission Artificial Intelligence (AI) Standards

4.4 Artificial Intelligence (AI) Car Test Facility in UK

4.5 MIT Demonstrates Swarm of Modular Artificial Intelligence (AI) Cars That Self-Assemble Into Larger Shapes

4.6 Artificial Intelligence (AI) Car Fish-Inspired Technology

4.7 Adaptive Cruise Control (ACC)

- 4.7.1 Distance Measured By A Small Radar Unit
- 4.7.2 ACC Technology
- 4.7.3 Adaptive Cruise Control
- 4.7.4 Lexus_IS250_ACC Adaptive Cruise Control

4.8 Advanced Artificial Intelligence (AI) Technology: Navigation, Mobility, And Manipulation

- 4.8.1 Artificial Intelligence (AI) Intelligence Systems
- 4.8.2 Real-World, Dynamic Sensing

4.9 User-Friendly Interfaces

- 4.9.1 Tightly-Integrated, Electromechanical Artificial Intelligence (AI) Design
- 4.9.2 Modular Artificial Intelligence (AI) Structure And Control
- 4.9.3 Lattice Architectures
- 4.9.4 Chain / Tree Architectures
- 4.9.5 Deterministic Reconfiguration
- 4.9.6 Stochastic Reconfiguration
- 4.9.7 Modular Artificial Intelligence (AI) Systems
- 4.10 Hitachi Configuration of Artificial Intelligence (AI) Using The SuperH Family
 - 4.10.1 Hitachi Concept of MMU And Logic Space
- 4.11 Network of Artificial Intelligence (AI) Software and Sensors
 - 4.11.1 Sensor Networks Part of Research Agenda
 - 4.11.2 Light Sensing
 - 4.11.3 Acceleration Sensing
 - 4.11.4 Chemical Sensing
- 4.12 Artificial Intelligence (AI) Software Technology Functions
- 4.13 Intel Integrated Circuit Evidence-Based Innovation
 - 4.13.1 Open Artificial Intelligence (AI) Control Software
 - 4.13.2 Artificial Intelligence (AI) Key Technology

5. ARTIFICIAL INTELLIGENCE (AI) CARS AND TRUCKS COMPANY DESCRIPTIONS

- 5.1 Selected Artificial Intelligence (AI) Companies
- 5.2 Almotive
 - 5.2.1 Almotive Location Engine
 - 5.2.2 Almotive Recognition Engine
 - 5.2.3 Almotive Motion Engine
 - 5.2.4 Almotive Control Engine
 - 5.2.5 Aimotive
- 5.3 Alphabet, Waymo: Google
 - 5.3.1 Google / Intel Target Driverless Cars with Artificial Intelligence (AI)
 - 5.3.2 Alphabet Google Positioning
 - 5.3.3 Alphabet / Google
 - 5.3.4 Alphabet Revenue
 - 5.3.5 Google Revenue
 - 5.3.6 Alphabet / Waymo
 - 5.3.7 Alphabet Waymo Artificial Intelligence (AI) Car Fleet
 - 5.3.8 Waymo Deal with Fiat Chrysler Automobiles
 - 5.3.9 Google

- 5.3.10 Google Search Technology
- 5.3.11 Google Recognizes World Is Increasingly Mobile
- 5.3.12 Google Nest
- 5.3.13 Google / Nest Safety History
- 5.3.14 Google / Nest Learning Thermostat
- 5.3.15 Google Chromecast
- 5.3.16 Google Artificial Intelligence (AI) Car
- 5.3.17 Google Cars Address Vast Majority of Vehicle Accidents Due To Human Error
- 5.3.18 Google Business
- 5.3.19 Google Corporate
- 5.3.20 Google Search
- 5.3.21 Google
- 5.3.22 Google / Boston Dynamics
- 5.3.23 Boston Dynamics LS3 - Legged Squad Support Systems
- 5.4 Alps Electric
- 5.5 Amazon
 - 5.5.1 Amazon Business
 - 5.5.2 Amazon Competition
 - 5.3.3 Amazon Description
 - 5.3.4 Amazon Revenue
- 5.4 Argo AI
- 5.5 Apple
 - 5.5.4 Apple / AuthenTec
 - 5.5.5 Apple
 - 5.5.6 Apple Business Strategy
 - 5.5.7 Apple Products
 - 5.5.8 Apple iPhone
 - 5.5.9 Apple Mac Hardware Products
 - 5.5.10 Apple iPod
 - 5.5.11 Apple iTunes®
 - 5.5.12 Apple Mac App Store
 - 5.5.13 Apple iCloud
 - 5.5.14 Apple Software Products and Computer Technologies
 - 5.5.15 Apple Operating System Software iOS
 - 5.5.16 Apple Mac OS X
 - 5.5.17 Apple Third-Largest Mobile Phone Maker
 - 5.5.18 Apple Revenue
 - 5.5.19 Apple Regional Segment Operating Performance
- 5.6 Autoliv

5.7 BAE Systems

5.8 BMW

5.7.1 BMW Strategy

5.7.2 BMW Revenue

5.8 Bosch Group

5.8.1 Bosch Deepfield Robotics

5.8.2 Bosch Business Overview

5.8.3 Bosch Group Reorganized Its Business Sectors

5.8.4 Bosch Group

5.9 CNH Industrial

5.10 Daimler AG/Mercedes-Benz

5.10.1 Daimler Mobility

5.10.2 Daimler Autonomous Vehicles

5.10.3 Daimler Shared Services

5.11 Delphi Automotive

5.11.1 Delphi Adaptive Cruise Control

5.12 Eaton

5.13 ECA Artificial Intelligence (AI)

5.14 Fiat Chrysler

5.14.1 Chrysler / Dodge

5.15 Ford

5.15.1 Ford Pickup

5.15.2 Ford Argo AI Artificial Intelligence Company

5.15.3 Argo AI Joins with Ford's Autonomous Vehicle Software Development Effort

5.15.4 Ford Argo AI

5.15.5 Ford Investments And Partnerships To Help With Autonomous Vehicle

Development

5.15.6 Ford Continuing To Chase Automotive Market Volume

5.15.7 Ford Business

5.15.8 Ford Motor Vehicle Fuel Economy

5.15.9 Ford Revenue

5.16 General Motors

5.16.1 General Motors Positioning

5.16.2 GM European Business Exit

5.16.3 General Motors (GM) Acquired Cruise Automation

5.16.4 GM Investment in Lyft

5.16.5 GM

5.16.6 GM Chevrolet Impala

5.16.7 General Motors (GM) Redefining Itself

- 5.16.8 GM Business
- 5.16.9 GM Strategy
- 5.16.10 GM / Buick
- 5.17 Honda
- 5.18 Huawei
 - 5.18.1 Huawei 2016 Business
 - 5.18.2 Huawei Smart Devices
 - 5.18.3 Huawei Regional Strengths
 - 5.18.4 Huawei Building Cloud Ecosystem
 - 5.18.5 Huawei Adopting a Product + Service Strategy
 - 5.18.6 Huawei Vision & Mission
 - 5.18.7 Huawei Strategy
 - 5.18.8 Huawei Corporate Governance
 - 5.18.9 Huawei Research & Development
 - 5.18.10 Huawei Cyber Security
 - 5.18.11 Huawei Partners with China Telecom, Shenzhen Gas On Smart Utility
- 5.19 Hyundai
 - 5.19.1 Hyundai Autonomous Vehicle Uses Olympus Digital Camera and Maps
- 5.20 IBM Corporation
 - 5.20.1 IBM IoT Strategy
 - 5.20.2 IBM Cloud Computing
- 5.21 Infineon Technologies AG
 - 5.21.1 Infineon Automotive
- 5.22 Intel Corporation
 - 5.22.1 Intel Buys Mobileye
 - 5.22.2 Intel Acquires Mobileye
 - 5.22.3 Intel / Mobileye
 - 5.22.4 Intel Company Strategy
 - 5.22.5 Intel In The Internet of Things Market Segment
 - 5.22.6 Intel Competitive Advantages
- 5.23 International Truck
- 5.24 John Deere
 - 5.24.1 John Deere Revenue
- 5.25 Kairos Autonomi
 - 5.25.1 Kairos Autonomi Autonomy ROI
 - 5.25.2 Kairos Autonomi Upgrades Artificial Intelligence (AI) Conversion Kit
- 5.26 Knorr-Bremse Group
 - 5.26.1 Knorr-Bremse Leading Player In Electronic Controls And Driver Assistance Systems

5.27 Logitech

5.27.1 Logitech Makes A Wheel And Pedals For Vehicle Artificial Intelligence (AI) Mode

5.28 Mesa Artificial Intelligence (AI)

5.29 Microsoft

5.29.1 Microsoft Intelligent Cloud

5.29.2 Microsoft Revenue by Segment

5.29.3 Microsoft SOA

5.29.4 Microsoft .Net Open Source

5.30 Mitsubishi

5.31 Nissan

5.32 Northrop Grumman

5.33 NVIDIA

5.33.1 Nvidia Revenue

5.6 NXP

5.34 Qualcomm

5.34.1 Qualcomm Business

5.34.2 QMC Offers Comprehensive Chipset Solutions

5.34.3 Qualcomm Government Technologies

5.34.4 Qualcomm Internet Services

5.34.5 Qualcomm Standardization Capabilities

5.34.6 Qualcomm Regulatory and Compliance Capabilities

5.34.7 Qualcomm (QCOM, Tech30) Acquires NXP Semiconductors (NXPI)

5.35 Samsung

5.35.1 Samsung Agreed to Buy Harman

5.35.2 Harman International Industries (ADITI Technologies)

5.36 SAP

5.36.1 SAP Easier IoT Adoption:

5.37 SEAT

5.38 Softbank

5.38.1 Softbank Arm

5.38.2 SoftBank Segments

5.38.3 Softbank Personal Brain “IBM Watson”

5.38.4 Softbank Sprint Segment

5.38.5 Softbank Yahoo Japan Segment

5.38.6 Softbank E-Commerce Business

5.38.7 Softbank Distribution Segment

5.38.8 Fukuoka SoftBank HAWKS Related Business and Other Businesses

5.38.9 SoftBank ARM Acquisition Brings Internet of Things

5.39 Subaru

5.39.1 Subaru Automotive Business

5.39.2 Subaru of America

5.39.3 Fuji Heavy Industries / Subaru

5.39.4 Subaru Automotive Business

5.39.5 Subaru of America

5.40 Symantec

5.40.1 Symantec / Norton

5.53 Tesla

5.53.1 Tesla's Mission Is To Accelerate The World's Transition To Sustainable Transport

5.53.2 Tesla Autopilot

5.55 Toyota / Lexus

5.55.1 Toyota / Lexus

5.55.2 Toyota Avalon

5.56 Uber

5.56.1 Uber

5.56.2 Uber Revenue

5.57 Valeo

5.58 Vecna Technologies

5.59 Volkswagen

5.59.1 Volkswagon Brands

5.59.2 Porsche SE

5.59.3 Porsche SE

5.59.4 Volkswagen / Audi

5.59.5 Audi Gets The Second Driverless Car Permit In Nevada

5.60 Volvo

5.61 Visteon

5.62 ZF

5.62.1 ZF Swarm Intelligence

5.62.2 ZF Friedrichshafen AG

5.63 ZTE

5.63.1 ZTE Demonstrates Smart NB-IoT solutions

5.64 Selected Artificial Intelligence (AI) Vehicle Companies

5.64.1 List of Companies Examined For Ranking by ADAS Revenues

6. ABOUT

7. RESEARCH METHODOLOGY

List of Figures

- Figure 1. Sensor and Computing Configurations for Cars Driving Themselves
- Figure 2. Artificial Intelligence (AI) Cars and Trucks Market Driving Forces
- Figure 3. Autonomous Vehicle Safety Features Used in Artificial Intelligence (AI) Cars
- Figure 4. IBM AI Systems for Automotive Applications Augment Human Capability
- Figure 5. Artificial Intelligence IC and Component Auto and ADAS Module Market Shares, Dollars, Worldwide
- Figure 6. Artificial Intelligence Integrated Software Systems Auto Market Units and Dollars, Shipments, Worldwide, 2017-2023
- Figure 7. Autonomous Car and Light Truck / SUV Market Forecasts, Units, Worldwide, 2017-2023
- Figure 8. Daimler E-Class is World's First Production Car To Be Issued A Test License For Autonomous Driving
- Figure 9. Ford Artificial Intelligence (AI) Auto Control System
- Figure 10. Autonomous Vehicle Integration Software Components
- Figure 11. Children Look Inside A Artificial Intelligence (AI) Car At Google Headquarters in Mountain View, Calif., on April
- Figure 12. Advanced Autonomous Car Software Features
- Figure 13. Collision Detection Machine Vision System For Law Enforcement
- Figure 14. Collision Detection Machine Vision System Components Features for Law Enforcement
- Figure 15. Intel Mobileye Law Enforcement Agency Clients:
- Figure 16. Artificial Intelligence (AI) Car and Truck Challenges
- Figure 17. Artificial Intelligence (AI) Car and Truck Mapping and Navigation Challenges
- Figure 18. Challenges Met and Upon Encountering Need The Driver To Take Over
- Figure 19. Artificial Intelligence (AI) Car and Truck Human Factors
- Figure 20. Sensor and Computing Configurations for Cars Driving Themselves
- Figure 21. Artificial Intelligence (AI) Cars and Trucks Market Driving Forces
- Figure 22. Autonomous Vehicle Safety Features Used in Artificial Intelligence (AI) Cars
- Figure 23. IBM AI Systems for Automotive Applications Augment Human Capability
- Figure 24. Nvidia CEO Jen-Hsun Huang at 2016 CES with Autonomous Car Processor Component
- Figure 25. Artificial Intelligence IC and Component Auto and ADAS Module Market Shares, Dollars, Worldwide
- Figure 26. Artificial Intelligence IC and Component Auto and ADAS Module Market Shares, Dollars, Worldwide
- Figure 28. Artificial Intelligence (AI) Cars and Light Trucks on the Road, Worldwide, 2016 Chart

Figure 29. Artificial Intelligence (AI) Cars and Light Trucks on the Road, Worldwide

Figure 30. Artificial Intelligence (AI) Car Level 2 Autonomous Vehicle Market Shares, Number of Vehicles on Road, Worldwide, 2016 and

Figure 31. List of Cars with Collision Avoidance Features

Figure 32. Collision Avoidance Systems Market Shares, Units, Installed Worldwide

Figure 33. Selected Leaders in Development of Artificial Intelligence (AI) Cars and Trucks

Figure 34. Selected Large Company Artificial Intelligence (AI) Car Partnerships

Figure 35. Large Company Artificial Intelligence (AI) Car Acquisitions

Figure 36. Large Company Artificial Intelligence (AI) Car Leveraging IoT

Figure 37. Mobileye Intel Automotive Market Access Features

2.2.8 BMW And Intel To Bring A Fleet of Artificial Intelligence (AI) Cars To The Road By The End Of

Figure 38. BMW Artificial Intelligence (AI) Car

Figure 39. Mercedes Intelligent Drive Level 2 Autonomous Car

Figure 40. IBM MessageSight Ford

Figure 41. Toyota Production LS 2013 Model Artificial Intelligence (AI) Tools Technology

Figure 42. Kairos Autonomi Pronto4 Retrofitting System for Existing Vehicles or Vessels

Figure 43. Bosch BoniRob

Figure 44. Selected Company Investment or Planned Investment in Autonomous Vehicle Technology, Market Shares Dollars, Worldwide, 2017 to

Figure 45. Artificial Intelligence Integrated Software Systems Auto Market Units and Dollars, Shipments, Worldwide, 2017-2023

Figure 46. Artificial Intelligence Integrated Circuit, Sensor, and Component Systems Auto Market, Units and Dollars, Shipments, Worldwide, 2017-2023

Figure 47. Examples of Sensors Used in Autonomous Vehicles

Figure 48. Typical Auto Sensor

Figure 49. Autonomous Car and Light Truck / SUV Market Forecasts, Units, Worldwide, 2017-2023

Figure 50. Total Manual and Autonomous Car and Light Truck Shipments, Market Forecasts, Units and Percent Autonomous of Total Shipments, Worldwide, 2017-2023

Figure 51. Autonomous Car and Autonomous Light Truck / SUV Shipments Base Market Forecasts Dollars, Worldwide, 2017-2023

Figure 52. Autonomous Car and Autonomous Light Truck / SUV Shipments Market Forecasts, Dollars, Worldwide, 2017-2023

Figure 53. Autonomous Car and Autonomous Light Truck / SUV Shipments Market Forecasts, Units, Worldwide, 2017-2023

Figure 54. Autonomous Car and Autonomous Light Truck / SUV Shipments and

Installed Base, Market Forecasts Dollars and Units, Worldwide, 2017-2023

Figure 55. Autonomous Car and Autonomous Light Truck / SUV Shipments and on the Road, Small, Mid-Size, Luxury, and Light Truck / SUV Market Forecasts, Level 2 and Level 4 Autonomous Personal Vehicles, Units, Worldwide, 2017-2023

Figure 56. Autonomous Car and Autonomous Light Truck / SUV Shipments and on the Road, Small, Mid-Size, Luxury, and Light Truck / SUV Market Forecasts, Level 2 and Level 4 Autonomous Personal Vehicles, Dollars, Worldwide, 2017-2023

Figure 57. Autonomous Car and Autonomous Light Truck / SUV Shipments and Installed Base, Small, Mid-Size, Luxury, and Light Truck / SUV Market Forecasts, Percent, Worldwide, 2017-2023

Figure 58. Autonomous Luxury Car Market Forecasts, Dollars and Units, Worldwide, 2017-2023

Figure 59. Autonomous Mid-Size Car Market Forecasts, Dollars and Units, Worldwide, 2017-2023

Figure 60. Autonomous Light Car Shipments Market Forecasts, Dollars and Units, Worldwide, 2017-2023

Figure 61. Autonomous Light Truck / SUV Shipments Market Forecasts, Dollars and Units, Worldwide, 2017-2023

Figure 62. Autonomous Car and Autonomous Light Truck / SUV Shipments Market Forecasts, Level 2 and Level 4 Autonomous Personal Vehicles, Worldwide, 2017-2023

Figure 63. Autonomous Car and Autonomous Light Truck / SUV Shipments and on the Road, Small, Mid-Size, Luxury, and Light Truck / SUV Market Forecasts, Level 2 and Level 4 Autonomous Personal Vehicles, Worldwide, 2017-2023

Figure 64. Levels of Autonomous Driving Defined by the US Department of Transportation National Highway Traffic Safety Administration (NHTSA) Definition

Figure 65. Automated Driving Building Blocks Supporting Market Growth

Figure 66. Automated Driving Features

Figure 67. Artificial Intelligence (AI) Trucks In a Line on the Highway

Figure 68. Autonomous Trucking Platooning Functions

Figure 69. ADAS Technology Being Implemented for Trucks

Figure 70. Redtone Smart City Solutions

Figure 71. Redtone Smart City Worldwide Addressable Market:

Figure 72. Selected Autonomous Vehicle Software Market Leaders

Figure 73. Artificial Intelligence (AI) Car and Truck Functions

Figure 74. Artificial Intelligence (AI) Car Regional Market Segments, Dollars

Figure 75. Artificial Intelligence (AI) Car and Light Truck Regional Market Segments

Figure 76. Chinese ADAS Market Participants

Figure 77. Chinese ADAS Market Segments by Provinces

Figure 78. Artificial Intelligence (AI) Military Vehicle Regional Market Segments, Dollars

- Figure 79. Artificial Intelligence (AI) Military Regional Market Segments
- Figure 80. Nvidia Auto Artificial Intelligence Processor
- Figure 81. Nvidia Next Generation High-Speed Interconnect Technology
- Figure 82. Nvidia Tesla V100 Artificial Intelligence Metrics
- Figure 83. Tesla Electric Vehicle
- Figure 84. Tesla Dual Motor Model S and Autopilot
- Figure 85. 2016 Tesla Model S Advantages
- Figure 86. 2016 Tesla Model S Challenges
- Figure 87. Tesla Model S All-Wheel Drive Dual Motor
- Figure 88. Tesla Hardware Safety Features
- Figure 89. Tesla Artificial Intelligence (AI) Software Safety Features
- Figure 90. Tesla Autopilot
- Figure 91. Google Artificial Intelligence (AI) Car
- Figure 92. Apple IoT Control Accessories in the Home: Security Systems, Appliances, Cameras And Door Locks
- Figure 93. Apple Aggregation of Auto Devices to Be Controlled Using Scene System
- Figure 94. Amazon Alexa artificial intelligence (AI) Software Automotive Partners
- Figure 95. Amazon Autonomous Delivery Vehicle
- Figure 96. Amazon Trucks and Forklifts That Drive Themselves Revolutionize E-Commerce
- Figure 97. Toyota Self Driving Car
- Figure 98. Toyota Road Detector
- Figure 99. Toyota Self Driving Car Wheel
- Figure 100. Toyota Artificial Intelligence (AI) Autonomous Driving Tools
- Figure 101. Toyota Production LS Model Artificial Intelligence (AI) Tools Technology
- Figure 102. Lexus Adaptive Cruise Control
- Figure 103. Lexus_IS250_ACC Adaptive Cruise Control
- Figure 104. Audi Connect
- Figure 105. Volkswagen Sedric Concept Car
- Figure 106. Volkswagen Self Driving Car
- Figure 107. Volkswagen TAP Autopilot
- Figure 108. Volkswagen TAP Automatic Driving Support Technology
- Figure 109. Porsche Adaptive Cruise Control Illustrated
- Figure 110. SAP Identification of Spot Artificial Intelligence (AI) Technology Needing Systems Integration
- Figure 111. Softbank Self Driving Bus
- Figure 112. SoftBank IoT Environment Industry Sectors
- Figure 113. Intel Compute
- Figure 114. Intel Collaboration is Key for Vehicle Safety

- Figure 115. Intel Software Companies and Partners
- Figure 116. Intel Partners Among World Leading Automakers Use Technology To Power In-Vehicle Infotainment, Imaging, And Navigation Systems
- Figure 117. Intel In-Vehicle Compute Across Automakers
- Figure 118. IBM Artificial Intelligence (AI) Car EcoSystem Positioning
- Figure 119. Value of IBM Advanced Analytics And Optimization
- Figure 120. IBM MessageSight Ford
- Figure 121. Ford Artificial Intelligence (AI) Car
- Figure 122. Ford Artificial Intelligence (AI) Auto with Automated Control System
- Figure 123. Ford Artificial Intelligence (AI) Auto Control System
- Figure 124. Mercedes Artificial Intelligence (AI) truck
- Figure 125. Mercedes Artificial Intelligence (AI) Truck Will Pull To One Side To Let A Firetruck Pass361
- Figure 126. Mercedes Artificial Intelligence (AI) Vehicle
- Figure 127. Mercedes Self Driving Car Open Interior
- Figure 128. Mercedes Self Driving Car Interior
- Figure 129. Mercedes-Benz F
- Figure 130. Mercedes Self Driving Car Vision Is To Raise Comfort And Luxury To A New Level By Offering Maximum of Space And A Lounge Character
- Figure 131. Mercedes-Benz Self Driving Car Interior
- Figure 132. Mercedes-Benz Self Driving Car Impact-Protected Installation of F-Cell Plug-In Hybrid Drive System
- Figure 133. Bosch BoniRob
- Figure 134. Bosch BoniRob Robot Functions
- Figure 135. Bosch BoniRob Features
- Figure 136. Bosch Deepfield® Connect App Features
- Figure 137. Bosch Deepfield Connect Image
- Figure 138. Bosch Deepfield Connect Functions
- Figure 139. Bosch Deepfield Connect Issues Addressed
- Figure 140. Nissan Self Driving Car
- Figure 141. Nissan Zero-Emission Driverless Car
- Figure 142. GM Self Driving Cadillac
- Figure 143. GM Safety Technology
- Figure 144. Buick LaCrosse Artificial Intelligence (AI) Vehicle
- Figure 145. GM Cadillac Self Driving Car
- Figure 146. GM EN-V Hands Free Driverless Auto
- Figure 147. GM EN-V Hands Free Driverless Auto
- Figure 148. General Motors Artificial Intelligence (AI) Auto
- Figure 149. Self-Driven Volvo SUV Owned And Operated By Uber Technologies

Flipped On Its Side After A Collision

Figure 150. Volvo Self Driving Car Functions

Figure 151. Volvo Self Driving Car Auto Parking

Figure 152. Technologies Needed To Equip A Car With A Self-Parking Capability

Figure 153. Volvo Self Driving Vehicle

Figure 154. High End Volvo With Safety Package

Figure 155. BMW Open Mobility Cloud Processors And A Platform Support Third-Party Partner Applications

Figure 156. BMW Self Driving Car

Figure 157. Partnership Among BMW Group, Intel and Mobileye To Work On Fully Automated Driving⁴¹⁵

Figure 158. BMW Autonomous Driving Race Car

Figure 159. BMW Autonomous Car GPS Systems

Figure 160. Subaru Artificial Intelligence (AI) Car

Figure 161. Subaru Adaptive Cruise Control Features

Figure 162. Honda Civic comes with ADAS

Figure 163. Honda Car Safety Adapter Systems

Figure 164. Hyundai All-Electric Ioniq

Figure 165. Hyundai All-Electric Ioniq

Figure 166. Hyundai Genesis Advanced Safety Features, Lane Departure Warning System (LDWS) and Smart Cruise Control (SCC)

Figure 167. Hyundai Genesis Smart Cruise Control

Figure 168. Tata Driverless Car

Figure 169. Land Rover Range Rover

Figure 170. Land Rover Range Rover

Figure 171. Land Rover Terrain Response® Functions

Figure 172. Land Rover Range Rover

Figure 173. Land Rover Enhanced Active Safety Technologies

Figure 174. Land Rover Range Rover

Figure 175. LandRover Velodyne LIDAR Sensor

Figure 176. Fiat Chrysler Semi-Autonomous Electric Vehicle Designed For Millennials With Families Functions

Figure 177. Chrysler Adaptive Cruise Control

Figure 178. Kongsberg CORTEX

Figure 179. BAE Systems Wildcat Source: BAE

Figure 180. BAE Artificial Intelligence (AI) Car

Figure 181. BAE Systems Remote Military Land Vehicles

Figure 182. Kairos Autonami Pronto4 Retrofitting System for Existing Vehicles or Vessels

- Figure 183. Kairos Pronto4 Agnostic Autonomy System
- Figure 187. General Dynamics Self Driving Machine Gun
- Figure 188. General Dynamics Artificial Intelligence (AI) Machine Gun Rotating
- Figure 190. General Dynamics Autonomous Systems Implementation Functions
- Figure 213. John Deere Autonomous Flexible Use Tractor
- Figure 214. John Deere Crop Spraying
- Figure 215. John Deere Autonomous Tractor
- Figure 217. TI ADAS Solutions Targeted Applications
- Figure 218. TI ADAS Camera Solutions Key Benefits
- Figure 219. Texas Instrument Camera Capability for ADAS
- Figure 220. TI ADAS Radar Support
- Figure 221. TI ADAS Ultrasound Support
- Figure 222. TI ADAS Full System Portfolio
- Figure 223. LIDAR Sensors Underlying Technology
- Figure 224. Levels of Driving Situation Autonomy Simulated for Testing
- Figure 225. Autonomous Car Pilot Programs and Testing Locations
- Figure 226. Unified Communication Standards
- Figure 233. Artificial Intelligence (AI) Integrated Circuit-Based Innovation Functions
- Figure 235. Artificial Intelligence (AI) Communications Key Technology
- Figure 236. Military Artificial Intelligence (AI) Key Navigation Technologies
- Figure 237. Selected Artificial Intelligence (AI) Companies
- Figure 238. Almotive Neural Networks aiDrive Software Engines Responsible For Specific Key Component of SelfDriving Technology
- Figure 239. Waymo 3 Million Miles Self Driven
- Figure 240. Waymo Artificial Intelligence (AI) Car on Public Roads
- Figure 241. Alphabet Waymo Early Riders Self Driving Van in Arizona
- Figure 242. Alphabet Strategic Positioning
- Figure 243. Google Artificial Intelligence (AI) Car Locations
- Figure 244. Google / Nest Learning Thermostat
- Figure 245. Google Autonomous Vehicles Technology
- Figure 246. Boston Dynamic LS3
- Figure 247. Alps Electric Core Technology
- Figure 248. Amazon Principal Competitive Factors In The Online Retail Business
- Figure 249. Amazon Improving Customer Experience Functions
- Figure 250. Amazon Ways To Achieve Efficiency In Technology For Operations
- Figure 251. 2015 Lexus RX450h Apple Vehicle of Choice
- Figure 252. Apple Maps Vehicles
- Figure 253. BAE Systems Standards
- Figure 254. Bosch Business Highlights

- Figure 255. Bosch Positioning for Growth
- Figure 256. CNH Industrial Brands
- Figure 257. Daimler AG Brands
- Figure 258. Daimler Artificial Intelligence (AI) Positioning Autonomous, Connected, Shared Services655
- Figure 259. Daimler Mercedes Electric Vehicle
- Figure 260. Daimler Mercedes Connected Vehicle
- Figure 261. Daimler Mercedes Electric Truck
- Figure 262. Daimler Rapidly Forging Ahead With The Development of Autonomous Vehicles660
- Figure 263. Daimler Mercedes Autonomous Vehicles
- Figure 264. My Taxi and Hailo Create Taxi E-Hailing Company for Europe
- Figure 265. Daimler Revenue by Region
- Figure 266. Denso Regional Presence
- Figure 267. Denso Automatic Lane Change
- Figure 268. Eaton Industrial Clutches and Brakes
- Figure 269. ECA Artificial Intelligence (AI) Range of Products
- Figure 270. Factors Impacting Ford Profitability of Business
- Figure 271. GM Market Positioning
- Figure 272. Mobileye Provides Intel Access to the Automotive Market
- Figure 273. Mobileye Intel Automotive Market Access Features
- Figure 274. Logitech Components in Apple Automated Driving Training Set-Up
- Figure 275. Microsoft Intelligent Cloud Segment
- Figure 276. Microsoft Service Orientated Architecture SOA Functions
- Figure 277. Nvidia Interconnect and Memory Parameters
- Figure 278. NXP Worldwide Locations
- Figure 279. QMC Technology Chipset Solutions For Smart Connected Devices
- Figure 280. Seat Cars Offered
- Figure 281. Softbank Brightstar Specialized Wireless Industry Wholesaler Functions
- Figure 282. Symantec / Norton Internet Security Image
- Figure 283. Toyota / Lexus Advanced Active Safety Research Vehicle Features
- Figure 284. Valeo Regional Market Presence
- Figure 285. Valeo 9-Point Outperformance in Asia Q1 2017
- Figure 286. Valeo OEM Sales by Production Region
- Figure 287. Valeo Comfort and Driving Assistance
- Figure 288. Valeo Revenue by Segment
- Figure 289. Volkswagon Brands
- Figure 290. ZF NVIDIA DRIVE PX 2 AI Computing Platform

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