

[Home](#) > [Blog](#) > [Automotive](#) > [Automotive Electronics](#) > Top Companies in the Global Automotive LiDAR Sensors Market

Top Companies in the Global Automotive LiDAR Sensors Market

By Technavio | June 7, 2016

Share: [!\[\]\(cf531ed27e91483460120fcc057b3901_img.jpg\)](#) [!\[\]\(34fde9b7c74442c0438f550a41236260_img.jpg\)](#) [!\[\]\(f3ffd03e145adb5d0f6f54d9f4fb82fd_img.jpg\)](#) [!\[\]\(1512695720264d2aab11e6ec2cb67c0e_img.jpg\)](#) [!\[\]\(d06e0e0a5ce4085deb80bf730d27022b_img.jpg\)](#) [!\[\]\(6c9aeb30cbfe3eb949d668eaafd2ff33_img.jpg\)](#) [!\[\]\(f74c242d3b0eaa1097039d595582d93a_img.jpg\)](#)

LiDAR technology has taken the automobile world to a whole new level by providing the tools needed for truly safe navigation. Light detection and ranging, also known as “**LiDAR**” is a remote sensing technology that measures distance by illuminating A target using laser light. In the case of automotive industry, this technology is used to enhance a vehicle's navigation capabilities by detection and avoidance of obstacles enroute. LiDAR does this by providing clear-cut 3D snapshots of every object in the vehicle's vicinity. Along with its surveying feature, the LiDAR sensors system features automatic speed control, adaptive cruise control systems, braking systems, etc. There are several variants of LiDAR units available today, such as units with 16, 32, and 64 beams of laser light.

[Get a Free Sample Report](#)

[Related: how telematics can help improve road safety](#)

Is LiDAR technology truly necessary?

The simple answer is “yes.”

As per the latest World Health Organization reports, road traffic accidents account for 1.25 million deaths each year. In fact, according to an estimate, by the year 2030 road **traffic accidents** will be the 7th major cause of death around the world. It is in this context that the **UN's 2030 Agenda for Sustainable Development** becomes even more important. A target has been set to reduce the number of traffic accident deaths by 50% by 2020.

In light of these statistics, it is clear to see why the use of LiDAR technology is critical. Unlike other types of sensors or **telematics** currently available, LiDAR has improved capabilities when it comes to the detection of objects, even in cases where there is a complete absence of light. LiDAR's features, which include a *blind spot monitoring system*, *adaptive cruise control*, along with a *collision avoidance system* and *pedestrian protection system*, are not only better than the features of other sensors, but are also far more consistent and reliable.

Analysts at Technavio predict that the global automotive LiDAR sensors market will see a **CAGR of more than 34%** by 2020.

Top Vendors in the Automotive LiDAR Sensors Market

Key Vendors

The world's fourth-largest manufacturer of tires, **Continental AG** is a leading German automotive manufacturing company that specializes in brake systems, automotive safety, tachographs etc. Hi-res 3D flash LiDAR, SRL-CAM400 sensor module and SRL-1/SRL 1C are some of its leading products.

A Canada-based company, **LeddarTech** provides advanced detection and ranging systems that are based on patented technology. Founded in 2007, its unique Lidar technology performs time-of-flight measurement using pulses from infrared light processed through innovative algorithms, accurately detecting a wide range of objects under various environmental conditions.

Quanergy Systems Inc. develops smart sensing solutions for real-time 3D mapping, object detection, tracking and classification. Its 3D time-of-flight LiDAR sensors are designed to meet mass commercial deployment criteria in various markets. Some of its popular products are the S3 solid-state LiDAR sensor and M8-1LiDAR sensor.

Velodyne LiDAR provides a full line of sensors, which are capable of delivering the most accurate 3D data in the market. Their products have application in various industries like geology, agriculture, automotive, robotics, R&D, urban planning etc.

Prominent Vendors

One of the largest suppliers of automotive components, the various verticals that **Bosch** serves are consumer goods, industrial technology, mobility solutions and energy & building solutions. As per its latest announcement, Bosch will sell LiDAR by 2020 to meet the market demand for high-tech sensors.

One of world's pre-eminent precision steering solutions companies, **Novariant** provides intelligent sensor & control systems, precision positioning technologies, advanced steering hardware and applications software which combine to deliver integrated machine control solutions. These solutions are of immense use in the agriculture, automotive, and construction industries, as well as other control technology in emerging market segments that require a high level of accuracy, consistency, and availability.

Established in 1949, **DENSO** is a leading supplier of advanced automotive technology, systems and components for major automakers. Industrial products, consumer products and OEM automotive systems & components are some of its key products. DENSO has also developed in-vehicle LiDAR for automotive applications.

Hella is one of the largest trade organizations for automotive parts, accessories, diagnostics and services within Europe. It develops products for specialist vehicles along with entirely independent applications like street lighting, systems, and electronic components for the automotive industry. Hella's numerous ADAS are based on camera, ultrasonic, infrared LiDAR, and 24 GHz radar technology.


A Canada-based company, **Phantom Intelligence** develops LiDAR technology sensors aimed at obstacle detection and anti-collision applications to increase the safety of vehicles.

Among the world's leading providers in the area of sensor technology, **First Sensor** develops and produces customer-specific solutions for the ever-increasing number of applications in the industrial, medical, and mobility target markets. Based on innovative technology platforms, the company develops products such as chips, components, sensors, and entire sensor systems.

Teledyne Optech, a Canada-based compan, is one of the leaders in the development and manufacturing of advanced LiDAR and camera survey instruments for airborne, mobile and terrestrial mapping systems. Its Optech Lynx MG Mobile Mapper generates rich mapping-grade LiDAR and image data from a vehicle at cruising speeds.

A multinational automotive supplier, **Valeo** focuses on the design, manufacture and sale of components integrated systems and modules for the automotive industry. Its LiDAR sensor offers an aperture angle of 140°, which makes it quite useful for automated driving schemes like a ‘parking lot assistant’ that autonomously drives the vehicle to a parking lot.

[View the 2016-2020 Global Automotive Lidar Sensors Market Report](#)



Latest insights

Top 6 Mobile App Development Trends to Pay Attention to in 2...

Market Research Format Sample...

Top 10 Vendors in the Global Furniture Market - Mixing Aesth...

Future of Transportation Hinges on the Internet of Things...

Top Trends Impacting the Pet Food Market Right Now...

Recommended posts

Top 10 Vendors in the Global Furniture Market – Mixing Aesth...

Future of Transportation Hinges on the Internet of Things...

Is Marketing Analytics the Secret Ingredient Missing in Your...

Labor Market Research Questions: What Do We Ask?...

Top Virtual Assistant Companies and a Head-to-Head Product C...

Social icons






Industries

Aerospace and Defense (35)
Automotive (50)
Chemicals and Materials (48)
Consumer and Retail (82)
Education (55)
Energy (44)
Food and Beverage (103)
Hardware and Semiconductor (87)
Healthcare and Life Sciences (78)
Heavy Industry (24)
ICT (167)

[SHOW MORE](#)

Recent Tweets

-  Is the ground ready for #digitalization of the #Chemicalindustry? Find out here. #chemicals #environment #digital... <https://t.co/1gMPcxv0IG> 2 hours ago
-  Increasing adoption of oxidizing #oilfield #biocides will help oilfield biocide market earn a revenue of around USD... <https://t.co/fXFsUNEqx3> 6 hours ago
-  #QuantumComputing has immense potential, which can be well understood by a #physicist. Acquaint yourself with the s... <https://t.co/eMrpye5thk> 10 hours ago

[Aerospace and Defense](#)
[Consumer and Retail](#)
[Food and Beverage](#)
[Heavy Industry](#)
[Media & Entertainment](#)

[Automotive](#)
[Education](#)
[Hardware and Semiconductor](#)
[ICT](#)
[New Research Areas](#)

[Chemicals and Materials](#)
[Energy](#)
[Healthcare and Life Sciences](#)
[Industrial Automation](#)
[Transportation and Logistics](#)

[Contact Us](#)
[About Us](#)
[Conferences](#)
[Careers](#)
[Glossary](#)
[Terms of Use](#)
[Privacy Policy](#)