



## Our Vision for a Safer Future

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AEye's 4Sight™ Intelligent Sensing Platform is a software-defined lidar solution that leverages artificial intelligence to save lives and propel the future of transportation.

The company was founded in 2013 by CTO Luis Dussan, a leading aerospace designer of targeting systems for fighter jets, who realized that a self-driving car faces a similar challenge: it must be able to see, classify, and respond to an object— whether it's a parked car or a child crossing the street— in real time and before it's too late.

At Aeye, Luis applied these same principles. He enlisted a team of top scientists and engineers from NASA, Lockheed, the USAF, and DARPA to create the 4Sight Intelligent Sensing Platform for autonomous applications in automotive, trucking, smart infrastructure (ITS), rail, off-highway, and aerospace & defense. Today, Aeye has over 175 employees globally through its offices in Germany, Japan, Korea, and the United States and is a publicly traded company, listed as LIDR, on NASDAQ.

## AEye's 4Sight helps us navigate safely and efficiently

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Other lidar systems are passive, lack intelligence, and do not take into account how conditions evolve or know how to balance competing priorities, causing them to respond poorly to complex or dangerous situations. AEye's lidar is different.

The 4Sight Intelligent Sensing Platform, with adaptive lidar at its core, provides high-performance, software-definable solutions that can be optimized to meet the diverse performance and functional requirements for any autonomous application.

### 4Sight is:

**Adaptive** – With its sensor-based operating system, 4Sight focuses on what matters most in the field of view (FOV), mimicking how the human visual cortex focuses on and evaluates the environment, driving conditions, and road hazards.

**Intelligent** – With active targeting and intelligence in the data collection process, the 4Sight platform can increase and place resolution where needed throughout a scene, radically improving the probability of detection and the accuracy of classification for any application or use case.

**Upgradeable** – Designed to evolve as technology and requirements change over time, AEye provides over-the-air upgrades to the 4Sight operating system to meet future requirements.

**Best-in-Class** – 4Sight can detect up to 1K range at 10Hz in all lighting and weather conditions, and can achieve a scan rate of over 200Hz for full frame and FOV.

**Reliable** – Built on solid-state 1550nm fiber laser, 4Sight is proven to sustain mechanical shock of over 50G, random vibration of over 12Grms (5-2000Hz), and sustained vibration of over 3G.

## Built for success

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AEye partners with leading Tier 1s—such as Continental and Aisin—and system integrators—to configure and manufacture its sensors to meet the diverse performance and functional requirements of autonomous and partially automated applications.

### For the automotive and trucking markets -

AEye's business model utilizes the existing automotive supply chain to build and manufacture its system at scale for automotive OEMs and commercial vehicles. AEye has partnered with automotive-grade Tier 2s and Tier 1s to deliver best-fit ADAS solutions and autonomous platforms for automotive and trucking with high reliability and low cost. AEye provides the reference architecture and support for Tier 1 partners from design through deployment.

### For industrial markets -

AEye leverages volumes from Tier 1 deployments to achieve economies of scale and delivers solutions to the industrial markets directly and through systems integrators. AEye uses a single product platform with the same components across markets, so its contract manufacturer and systems integrator partners are able to customize the platform to meet the unique needs of smart infrastructure (ITS), rail, off-highway, and aerospace & defense applications.