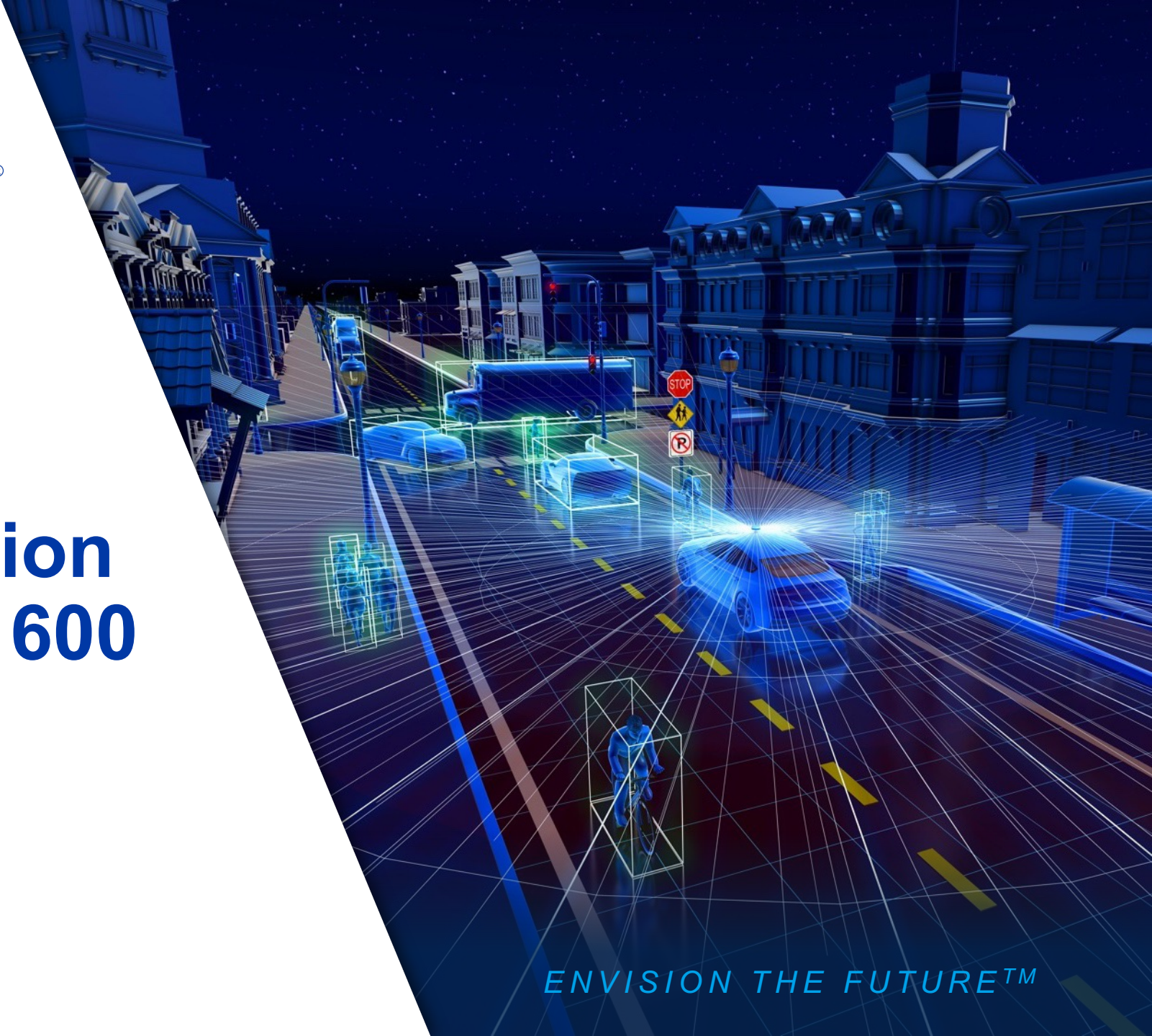


Velodyne Lidar[®]

Lidar Miniaturization with Velarray[™] M1600

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EVP, Engineering

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ENVISION THE FUTURE[™]

Velarray™ M1600



Customer inspired, Velodyne engineered

- Solid-state lidar designed for high-volume mobile robotic applications – puts the “A” in AMR!
- Sleek embeddable design
- Dense point cloud with only 11W power consumption
- Splash, water, and dust resistant with indoor/outdoor performance
- Dual return mode
- Perception data at a range from 0.1 to 30 meters and a broad 32-degree vertical field of view, supporting smooth operation in crowded areas
- Plug-and-play with Vella™ software
- Ideal for sidewalks, commercial and industrial settings

Velarray™ M1600

Sleek, embeddable design

We designed the aesthetically pleasing, compact M1600 to be a perfect fit for external mounting. It was also developed with a streamlined single connector for ease of embeddability.

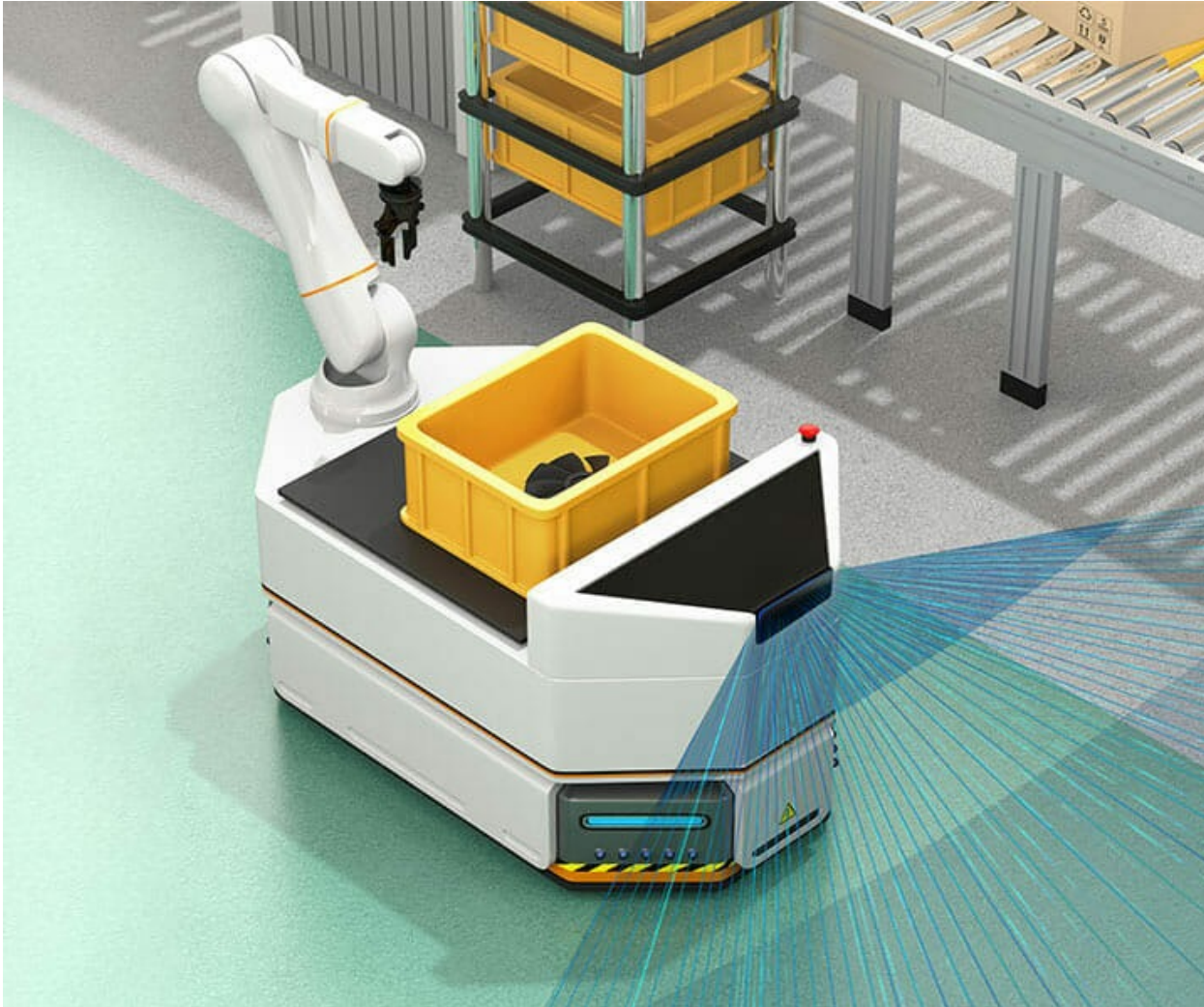


180mm



75.66mm

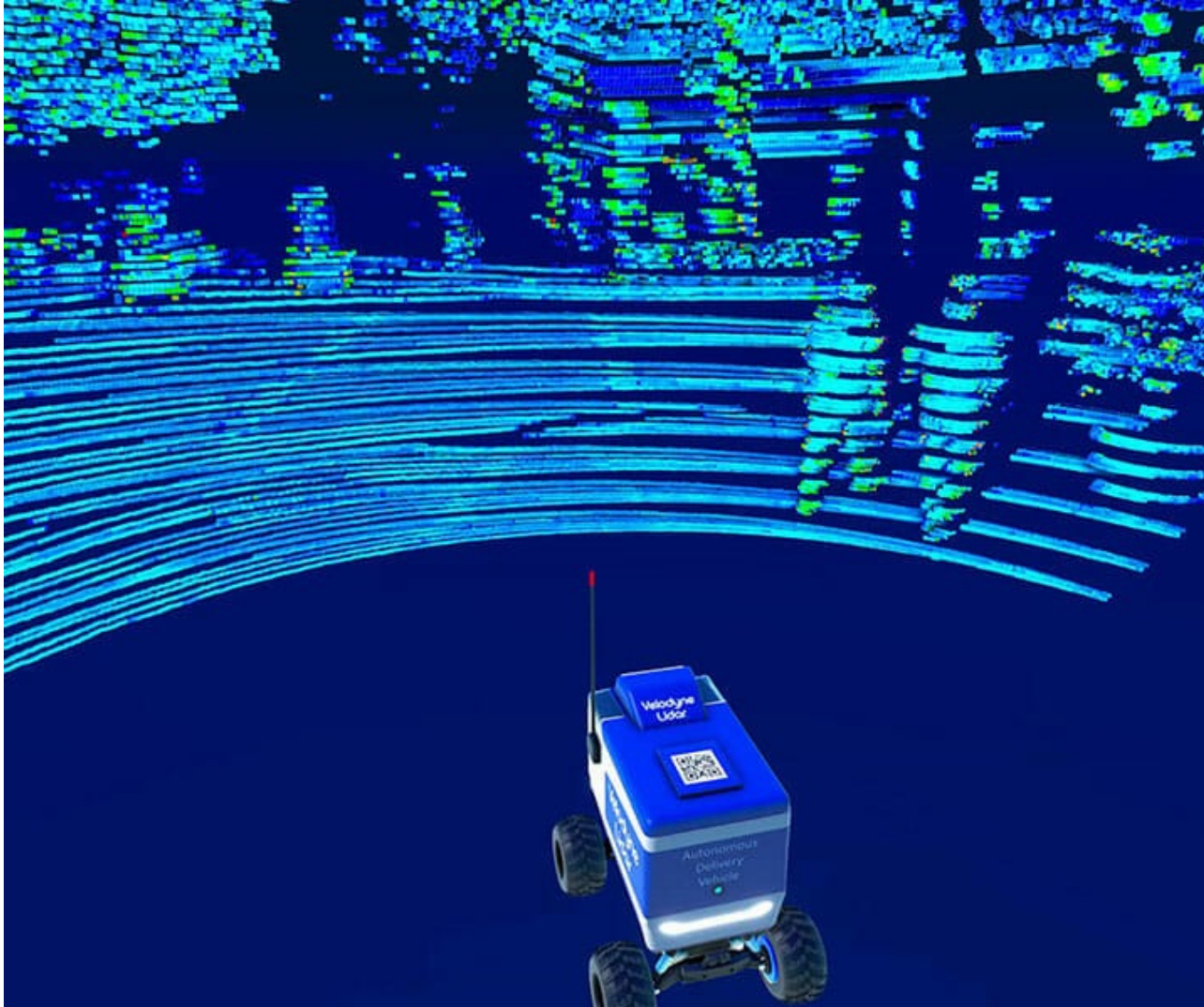
Velarray™ M1600



Easy integration into AMRs

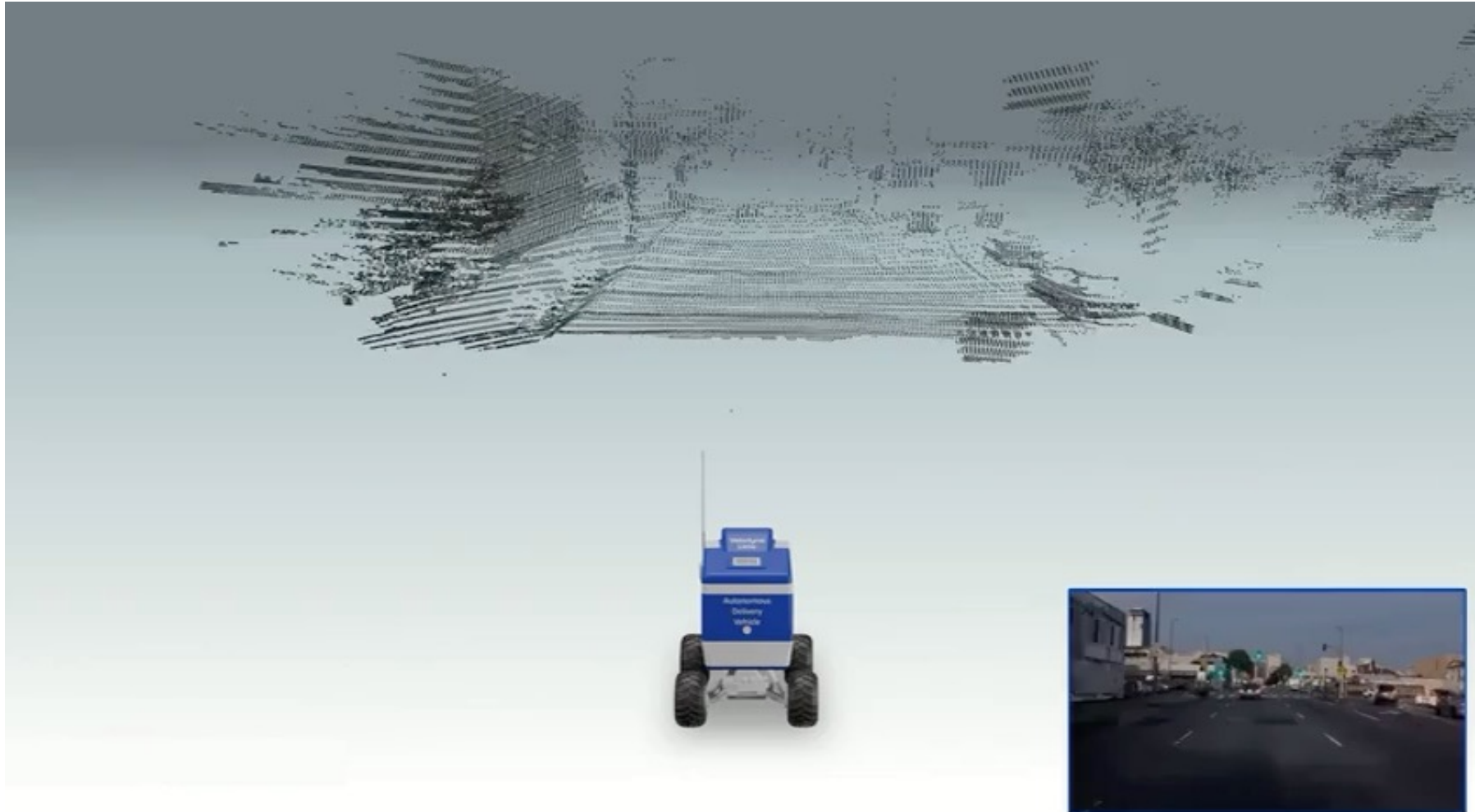
- VDK software
- Low form factor and power.

Dual Return Mode



- Increased usable points.
- Allows detection of small objects or surfaces.

Turning Data into Action



Optimized for roadways,
warehouses and sidewalks
environments

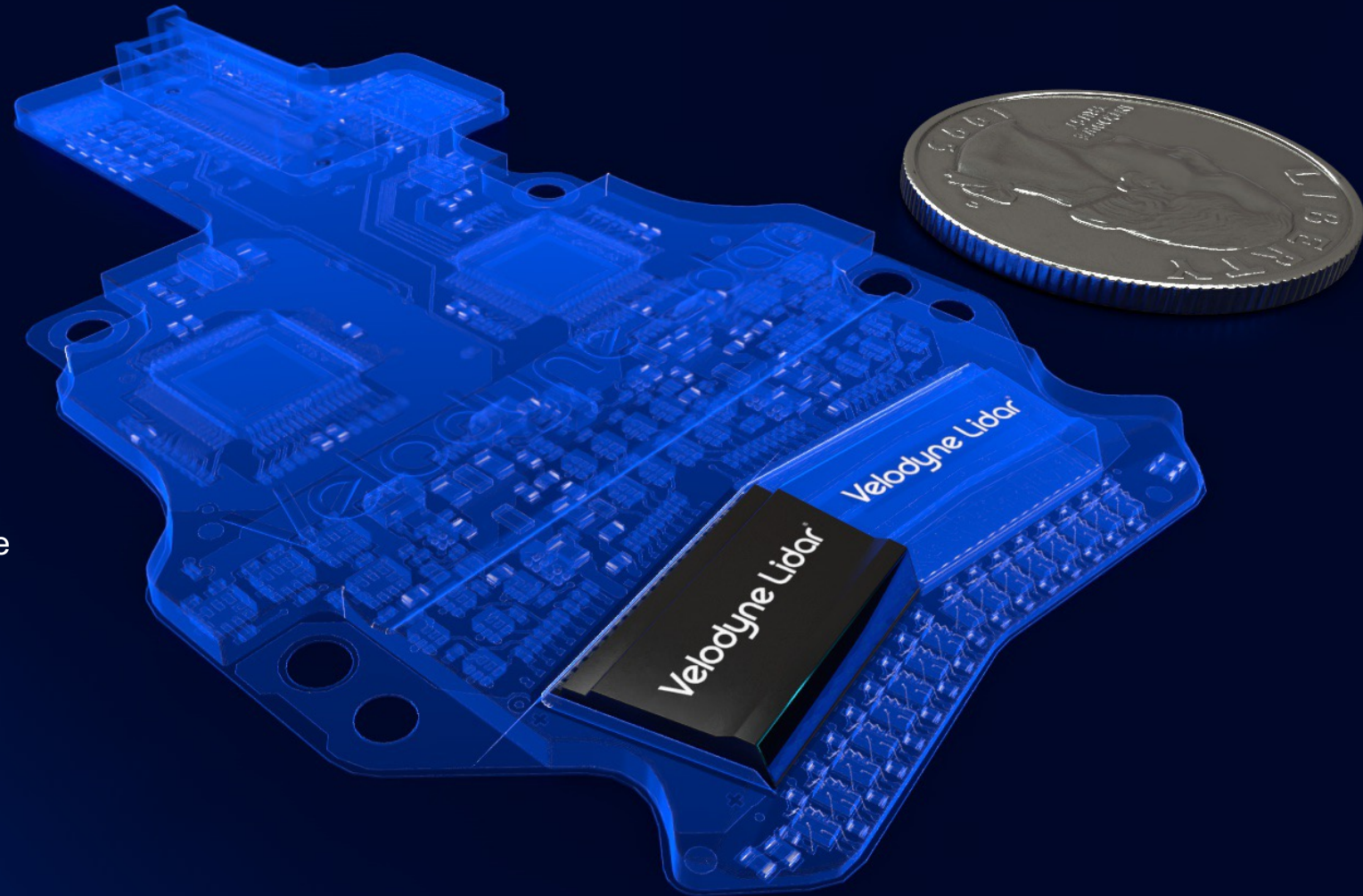
Micro-Lidar Array (MLA)

Proprietary chip-based technology

Brings together the core elements that make lidar work: optical chip + Velodyne's ASIC (application-specific integrated circuit) technology

Lidar channels are miniaturized to the size of a penny, forming the "engine" of the lidar sensor

This miniaturization + Velodyne's proprietary, fully automated manufacturing process enables cost-effective, high-quality mass production



Velodyne Lidar[®]

