

## Utilizing Velodyne Lidar Sensors, ThorDrive Debuts New Autonomous Driving Delivery Service for Seniors in Silicon Valley

*Kickoff Event Takes Place Thursday, November 29<sup>th</sup> 11:00 am at Hassett ACE Hardware, 875 Alma Street, Palo Alto*

**SAN JOSE, Calif. (Nov. 26, 2018)** – Utilizing [Velodyne Lidar](#) Sensors, [ThorDrive](#), a leading autonomous vehicle (AV) startup, is introducing a same-day, autonomous driving delivery service, to transport store orders to Silicon Valley customers. The kick-off event be attended by local government and business leaders, including Mayor Liz Kniss of Palo Alto, Mike Jellen, President and CCO of Velodyne Lidar, and Seung-Woo Seo, CEO of ThorDrive. The service, in partnership with [Hassett ACE Hardware](#), will initially support select residents of Channing House (senior housing) in Palo Alto with plans to expand to additional customers soon. The ThorDrive platform is using Velodyne lidar sensors to provide rich data content for its AV software, which is primed to transform how logistics vans make deliveries to customers.

“We are excited to provide groundbreaking autonomous driving technology that is pioneering a new way to provide transportation services in logistics processes,” said Seung-Woo Seo, CEO, ThorDrive. “Velodyne’s lidar technology provides a crucial data set for sensor fusion in ThorDrive software and will continue to be a core component in the ThorDrive sensor suite.”

“The ThorDrive-powered delivery service demonstrates how Velodyne innovations are helping companies place autonomous vehicles on the road today,” said Mike Jellen, President and CCO, Velodyne Lidar, who is attending the ThorDrive launch event. “ThorDrive’s technology taps the full power of Velodyne lidar’s rich data content to determine the safest way to direct and navigate a self-driving vehicle. They are transforming logistics by developing dedicated autonomous commercial vans to help companies create faster, more efficient product delivery services.”

The ThorDrive platform has been designed to provide the highly accurate sensor fusion, high-precision localization and detailed path planning needed to operate in dense urban environments. It can build maps for hyperlocal areas, such as private parking lots. The platform has been demonstrated to support proof-of-concept tests quickly and cost effectively.

ThorDrive has been using Velodyne lidar sensors in developing its autonomous driving technology since 2010. The company retrofits Ford vans with its AV technology and they will be deployed as a fleet of autonomous vehicles across the United States, addressing commercial and logistics markets.

“ThorDrive is very pleased to be working with Velodyne because of their commitment to continuous innovation and focus on manufacturing at scale,” said Farshid Arman, COO, ThorDrive. “Velodyne has been an invaluable collaborator and provides the reliable product and on-time delivery we need to develop our full stack autonomous driving software to our customers’ choice of commercial vehicles.”

### About ThorDrive

ThorDrive, based in Silicon Valley, has been developing autonomous driving technology since 2010, and was established as a company in 2017. ThorDrive is applying its autonomous driving product suite to providing value-added delivery services by modifying conventional delivery vans ([www.thordrive.ai](http://www.thordrive.ai)).

## **About Velodyne Lidar**

Founded in 1983 and headquartered in Silicon Valley, Velodyne is a technology company known worldwide for its real-time 3D lidar computing and software platforms. The company evolved after founder David Hall invented the HDL-64 Solid-State Hybrid lidar sensor in 2005. Since then, Velodyne Lidar, Inc. emerged as the unmatched market leader of real-time 3D vision systems used in a variety of commercial applications including autonomous vehicles, vehicle safety systems, mobile mapping, aerial mapping, and security. Its products range from the high-performance, surround view Ultra-Puck™ VLP-32, classic HDL-32/64 and cost-effective VLP-16, the new VLS-128, to the upcoming, hidden Velarray™. Velodyne's rich suite of perception software and algorithms are the key enablers of its perception systems. Velodyne supports customers from offices in San Jose, Detroit, Frankfurt, and Beijing. For more information, visit <http://www.velodynelidar.com>.

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