



Press Release

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AutonomouStuff and Tier IV partner to promote and advance Autoware

MORTON, Illinois, USA — AutonomouStuff, part of Hexagon's Positioning Intelligence division, and Tier IV have entered into a strategic partnership to combine efforts to further create, support and deploy autonomy software solutions around the world and across a variety of industries.

"This partnership represents a critical step forward for the advancement of autonomous software and autonomy as a whole," said the division's Chief Autonomous Officer Robert Hambrick. "Through this collaboration and the resulting innovations, we can together achieve the goal to enable, accelerate and deploy the future of autonomy."

Autoware is the world's first "all-in-one" open-source software for autonomous driving technology. Based on the Robot Operating System (ROS1) and available under an Apache 2.0 license, Autoware contains modules for localization (3D maps plus Global Navigation Satellite System), detection (cameras and lidar), prediction and planning (probabilistic robotics, using deep neural networks), and control (in conjunction with by-wire system).

"Given their leading position within the automated driving sector, AutonomouStuff is an exceptional partner for Tier IV's determination to build safe intelligent vehicles for everyone," said Shinpei Kato, Founder and CTO of Tier IV, who also serves on the Board of Directors of the Autoware Foundation. "We believe in the power of autonomous driving to transform the world and our joint goal is to expand the autonomous driving market together. With our shared commitment, we are confident that this partnership will help strengthen our long-term efforts to expand a thriving ecosystem through Autoware."

AutonomouStuff, a founding member of the Autoware Foundation, will lead on the delivery of Autoware in the United States, Australia, Europe and China, and globally for mining, agriculture and government sectors. Tier IV will lead on the delivery of Tier IV services for Autoware support in Japan, China and the rest of Asia, in addition to performing software development and validation to meet customers' autonomous mobility needs worldwide. AutonomouStuff and Tier IV intend to validate the Autoware reference platform vehicle system together and achieve enterprise-level capabilities.

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About AutonomouStuff

AutonomouStuff, part of Hexagon's Positioning Intelligence division, provides the industry's most advanced organizations with the best products, software and engineering services to enable robotics and autonomy. The top priority for the team at AutonomouStuff



is customer success. Customers value the convenience of finding the most cutting-edge modular-based automation software solutions, engineering services, perception, computing, GNSS+INS and interface components in one location. Learn more at AutonomousStuff.com and follow us [@AutonomousStuff](https://twitter.com/AutonomousStuff).

About Hexagon

Hexagon is a global leader in sensor, software and autonomous solutions. We are putting data to work to boost efficiency, productivity, and quality across industrial, manufacturing, infrastructure, safety, and mobility applications.

Our technologies are shaping urban and production ecosystems to become increasingly connected and autonomous – ensuring a scalable, sustainable future.

Hexagon's [Positioning Intelligence division](#) is a global technology leader, pioneering end-to-end solutions for assured positioning for land, sea, and air. Its solutions power intelligent positioning ecosystems in vital industries and safety-of-life applications, enabling the advancement of the Autonomous X (cars, UAVs, industrial vehicles, trains, vessels, and more). The division includes leading brands [NovAtel](#), [Veripos](#), and [AutonomousStuff](#).

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 20,000 employees in 50 countries and net sales of approximately 3.8bn EUR. Learn more at hexagon.com and follow us [@HexagonAB](https://twitter.com/HexagonAB).

About Tier IV

Tier IV, a deep-tech start-up based in Japan, is dedicated to providing shared technology to build safe intelligent vehicles that will enable as many individuals and organizations as possible to remove barriers of time and space, leading to a better society in which all the people benefit from making autonomous vehicles a reality.

Founded in December 2015, Tier IV has led the development of the world's first open-source software for autonomous driving, also known as Autoware, and applied it for the proof of concept of last-mile driverless mobility and logistics. Tier IV and its global partners continue to provide turn-key solutions to deploy Autoware-based products and commercialize autonomous vehicles all over the world. Learn more at tier4.jp/en.