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Trimble Named GNSS Positioning Technology Supplier for VSI Labs Autonomous Vehicle Research Program

On the Road Providing Reliable In-Lane Positioning for the Year-Long Research Program

SUNNYVALE, Calif., March 26, 2021 /PRNewswire/ -- Trimble (NASDAQ: TRMB) announced today an alliance with autonomous vehicle research firm VSI Labs. Trimble will serve as the GNSS precise-positioning and orientation technology supplier for VSI's autonomous research vehicle program. The alliance officially kicks off at Destination ACM, a long-distance driving event that leverages VSI's research vehicle and continues with additional events throughout 2021.

The collaboration provides the opportunity to showcase Trimble RTX® technology as the trusted precise-positioning correction source for car manufacturers and their suppliers. Coupled with Trimble's inertial positioning, Trimble RTX plays a pivotal role in a vehicle's ability to maintain accurate and reliable lane-discipline during autonomous driving.

Destination ACM launched from VSI's Minneapolis headquarters en route to the American Center for Mobility's (ACM) test center in southeast Michigan where a day of testing and demonstration will take place today. Automotive industry professionals and other invited guests will have the opportunity to experience the vehicle's capabilities and performance first hand. A live vehicle feed will also broadcast via VSI's telemetry visualizer during the ACM test center demonstrations: https://automated-drive.vsi-labs.com .

"The integration of Trimble's precise RTX positioning is a key element of VSI's technology stack for Advanced Driver Assistance Systems (ADAS) and Autonomous Vehicle (AV) applications," said Stephen Ruff, general manager of Trimble's On-Road Autonomy Division. "VSI Labs is a leading researcher of best-in-class technologies critical to autonomous vehicle development."

Ideal for on-road driving applications, Trimble RTX corrections operate on a single, global network. Drivers are not subject to the coverage outages that can exist when relying on local positioning systems—requiring line-of-sight to a positioning source or radio/cellular/internet connections. When occasional obstructions are present, such as a bridge, tunnel or deep urban or rural canyon, Trimble augments its precise GNSS positioning with inertial technology to maintain continuous positioning and orientation while on the road. Trimble's innovative GNSS positioning is being used on the road today by a number of automotive OEMs and Tier 1 suppliers to improve the functional safety and performance of ADAS for passenger vehicles. Consumers have logged more than 7 million miles using Trimble RTX for lane-level positioning to date.

"VSI Labs is thrilled to have Trimble's RTX technology on board," saidPhil Magney, founder & president of VSI. "Trimble's positioning capabilities allow us to really expand our applied research on the safety and performance of autonomous and ADAS driving solutions."

Trimble GNSS positioning technology will be used in the VSI research vehicle during each of the quarterly Destination ACM events, the Drive World Conference in Silicon Valley in August, the VSI 2021 "Drive South" as well as other events during 2021.

About VSI Labs

Established in 2014 by Phil Magney, VSI Labs is one of the industry's top advisors on AV technologies, supporting major automotive companies and suppliers worldwide. VSI's research and lab activities have fostered a comprehensive breakdown of the AV ecosystem through hands-on development of its own automated vehicle platform. VSI also conducts functional validation of critical enablers including sensors, domain controllers, and AV software development kits. Learn more about VSI Labs at: vsi-labs.com .

About Trimble

Trimble is transforming the way the world works by delivering products and services that connect the physical and digital worlds. Core technologies in positioning, modeling, connectivity and data analytics enable customers to improve productivity, quality, safety and sustainability. From purpose-built products to enterprise lifecycle solutions, Trimble software, hardware and services are transforming industries such as agriculture, automotive, construction, geospatial and transportation. For more information about Trimble (NASDAQ: TRMB), visit: www.trimble.com .

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