

Press Release

HORIBA enters strategic cooperation with 3D Mapping Solutions GmbH

- Cooperation in the development of modern applications regarding data transfers between the real world and virtual reality as well as additional services with a focus on scenario-based testing and Vehicle in the Loop systems (ViL)
- Using synergies in testing stages and data analysis

Darmstadt, May 4, 2020. Today HORIBA, a leading supplier and innovation driver of vehicle test systems, announced a strategic cooperation with 3D Mapping Solutions GmbH based in Holzkirchen. The cooperation with the company for kinematic surveying, which specializes in the high-resolution data collection of roads, for example for Ultra HD Maps, will initially focus on joint activities in the development of modern products and applications, especially regarding the transfer from the real world to virtual reality. In a second step, the joint development of additional services concerning scenario-based testing and ViL testing is planned.

Thanks to their core competencies in the automotive sector, HORIBA and 3D Mapping Solutions complement each other perfectly and can thus further develop their different fields of activity into future-oriented products and applications. In addition to kinematic surveying and its many years of expertise in this field, the strength of the new cooperation partner lies above all in data analysis and processing. The joint products and applications will enable both parties to design the simulations necessary for the testing of assisted driving systems and autonomous vehicles. In this regard, HORIBA can rely on its decades of expertise in automotive testing.

André Engelbert, Global Application Manager CAV at HORIBA Europe, is looking forward to the future-oriented strategic cooperation with 3D Mapping Solutions: "With a competent partner like 3D Mapping Solutions at our side, we are excellently positioned for scenario-based testing and method development. The current global situation drives us to implement unique digital verification methods. Therefore, we are convinced that the cooperation with 3D Mapping Solutions will not only create advantages for our customers but will also create decisive competitive advantages."

Gunnar Gräfe, CEO of 3D Mapping Solutions GmbH, is also highly confident about the joint endeavor of both cooperation partners: "The experience, expertise and agility as well as the

Press Release

large intersection of the future-oriented corporate strategies of both companies complement each other perfectly. We are very pleased that we have gained a strong, trustworthy partner with HORIBA and are confident that we will be successful together."

About HORIBA

Headquartered in Kyoto, Japan, the HORIBA Group is a world-leading manufacturer of measuring instruments and systems for automotive testing, process and environmental engineering, medical diagnostics and semiconductor manufacturing. HORIBA also offers a wide range of molecular and elementary analytical instrumentation for research, quality control and laboratory analysis.

For further information, please visit: www.horiba.com.

HORIBA Automotive Test Systems

As part of the global HORIBA Group, HORIBA Automotive Test Systems (ATS) has established itself as a leader in engine, powertrain and vehicle test bench systems. HORIBA ATS offers its customers individual components and systems right up to turnkey complete solutions. HORIBA supplies manufacturers and suppliers in every branch of industry that uses electric, combustion and turbine engines. These essentially compile the automotive, commercial vehicle and off-road industry, suppliers of consumer goods, naval, aerospace and the rail vehicle industry.

About 3D Mapping Solutions GmbH

3D Mapping Solutions GmbH, based in Holzkirchen and Pittsburgh, USA, has specialized in the high-precision and high-resolution surveying of road networks, test and race tracks as well as testing grounds since its foundation in 2007 and is a global leader in this field. Kinematic surveying of railways and tunnels, the acquisition of basic data for 3D environment models, the provision of reference information for advanced assisted driving systems and the creation of highly accurate reference maps of road networks for autonomous driving are the main focus of the services offered. With profound know-how and many years of experience in these fields, 3D Mapping Solutions bridges the gap between the real world and digital probing and simulation.

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