

VI-grade and Konrad Technologies announce collaboration for new test method “DiL with Sensor Fusion Test” for Verifying ADAS/Autonomous Driving Features before Drive Tests

Bridging their respective expertise and experiences in simulation and test, VI-grade and Konrad Technologies will jointly demonstrate the new test method for verifying functional and performance of ADAS and Autonomous Driving features at the Automotive Testing Expo and Autonomous Vehicle Technology Expo 2019

Stuttgart, Germany – May 21st, 2019 – VI-grade and Konrad Technologies today jointly announced they will demonstrate a new test method, Driver in the Loop (DIL) with Sensor Fusion Test, at the Automotive Testing Expo Europe and Autonomous Vehicle Technology Expo 2019 in Stuttgart, Germany.

“4 years ago, Konrad Technologies and our partners pioneered Sensor Fusion HiL and demonstrated how sensor test combines with HiL tests to validate performance of multi sensor configurations with ADAS algorithms,” said Michael Konrad, CEO of Konrad Technologies. „Radar, Camera, and Lidar sensors can be tested at sub-system and system level implementations to verify ADAS capability for automated braking, adaptive cruise control, lane departure warning and others. Today, together with the VI-grade team, we will show how the sensor test can be extended to DiL with Sensor Fusion Test so that ADAS functionality can be evaluated and optimized to a higher degree in the lab before beginning road tests.“

“The VI-grade Driver in Motion (DiM) 150 simulator offers a complete driver behavior and 9 degrees of vehicle movement to simulate a real-world drive situation including traffic simulations,” said Guido Bairati, VP of Sales for VI-grade. “Adding sensors into the drive simulation loop allows ADAS/AD functionality to be tested safely in a lab environment and adds driver reaction to the test parameters for a more comprehensive test that can then be compared with drive test data for optimization cycles. Through this collaboration with Konrad Technologies, we have been able to quickly deliver a link between physical test and simulation-based testing for ADAS/AD features to the automotive market.“

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For DiL with Sensor Fusion Test, the objects around the vehicle from the drive simulation software are simulated by Konrad Technologies sensor simulators in real-time. And the output of the sensors are then brought back into the software simulation to close the execution loop.

The collaboration will be presented at the 2019 Autonomous Vehicle Technology Expo event (Halle 6, booth AV6030) as well as through a joint presentation titled “Driver in the Loop (DiL) with Sensor Fusion Test” included in the official conference program of the same conference.

About Konrad Technologies Worldwide

Konrad Technologies (KT) is a global company and NI Platinum Alliance Partner that offers customized turnkey test solutions in the areas of electronics manufacturing, high-frequency technology, optics and beyond. Since 1993, Konrad Technologies has successfully developed, designed and integrated customer-specific test solutions providing customers with R&D, qualification, and manufacturing of electronic products with tools to fulfill their quality goals, accelerate engineering and development throughput. Customers in a wide range of industries from Automotive, Aerospace and Defense, Wireless Communications, Consumer Electronics, Medical, Semiconductor, General Electronic Manufacturing to Industrial Automation use KT's integrated hardware and software platform-based solutions to improve their performance worldwide. Konrad Technologies is a founding member of ADAS iiT, a consortium that provides a complete test solution for autonomous driving.

Konrad-Technologies, KT and Konrad GmbH are all representative of Konrad Technologies worldwide. Other products and company names listed are trademarks of their respective companies. For more information about Konrad Technologies Solutions and upcoming events, please visit www.konrad-technologies.com

About VI-grade

VI-grade is the leading provider of best-in-class software products and services for advanced applications in the field of system-level simulation. Along with a network of selected partners, VI-grade also provides revolutionary turnkey solutions for static and dynamic driving simulation.

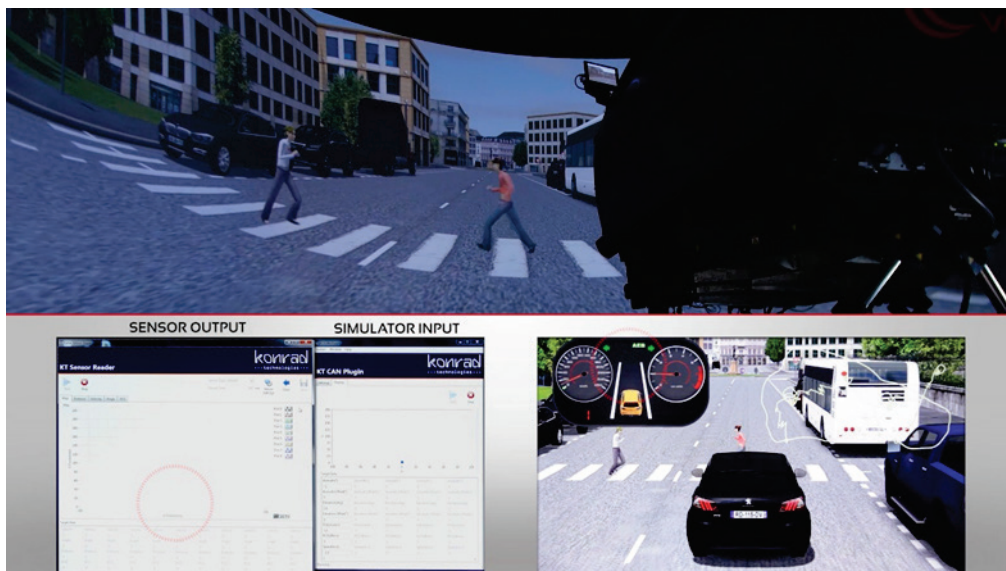
Established in 2005, VI-grade delivers innovative solutions for streamlining the development process from concept to sign-off in the transportation industry, and there mainly in the automotive, aerospace, motorcycle, motorsports and railway sectors. With its office locations

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in Germany, Switzerland, Italy, UK, Japan, China, and the USA and a worldwide channel network of more than 20 trusted partners, VI-grade is a dynamic and growing company with a highly skilled technical team.

Since September 2018, VI-grade has been part of Spectris. Spectris is an FTSE 250 listed global conglomerate with 2017 sales of over \$2B and 9,800 employees. The firm conducts business in four major segments - materials analysis, testing & measurement, in-line instrumentation and industrial controls - and serves a broad range of industries ranging from automotive and aerospace to electronics, energy, mining and pharmaceuticals.

For further information about VI-grade, please visit <http://www.vi-grade.com>.



DIL with Sensor Fusion Test

To schedule a meeting in advance, please submit a request to sales@konrad-technologies.de or sales@adas-iit.com or info@vi-grade.com

Learn more about the Automotive Testing Expo and Autonomous Vehicle Technology Expo <https://www.testing-expo.com/europe/en/>

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