

VI-grade reports completion of installation of DiM150 simulator at Audi Motorsport

*Audi Motorsport to utilize revolutionary dynamic driving simulation technology from VI-grade
for the virtual fine tuning of their race vehicles' dynamic performance*

Marburg (Germany), December 13, 2018 – VI-grade today announced that Audi Motorsport has completed the installation of the dynamic driving simulation solution DiM150 (Driver-in-Motion). The driving simulator, equipped with a Formula E and DTM car cockpit, has been installed at the Audi Motorsport site in Neuburg, Bavaria (Germany) and is currently in use for the virtual fine tuning of the dynamic performance of the vehicles developed and marketed by Audi Motorsport as well as for professional driver training.

“Due to the increasingly strict regulations of the motorsport series there is only a limited number of testing days on the real racetracks,” said Joachim Hausner, Coordination Driving Simulator Audi Motorsport. “With our new DiM150 driving simulator we are very confident to master these future challenges, because we are able to develop more efficiently and precisely in advance, so that we are better prepared on the real racetracks later and lastly to improve our performance in the race.”

“Shortly after the final installation it was already possible for us to apply the simulator for the preparation of the upcoming Formula E season starting on December 15,” continued Hausner. “There is still some work to be done to fully implement and integrate the simulator in the development processes of all our race series, but we see great potential in this driving simulation solution for the future of Audi Motorsport.”

“We are delighted to report the completion of the installation of our driving simulation solution at Audi Motorsport and to realize that our DiM150 is already used by Audi’s drivers and engineers to improve vehicle performances,” said Alessio Lombardi, Key Account Manager, VI-grade. “The concept of our DiM150 fully represents Audi’s philosophy and mission – Vorsprung durch Technik, meaning a step forward through technology. We are looking forward to all current and potential future usages of our driving simulation technologies at Audi Motorsport.”

To reproduce vehicle movements and accelerations, the DiM solution takes a different path to driving simulation and is based on a patented revolutionary design with nine actuators.

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The resulting configuration with its 9 degrees of freedom enables us to go beyond the basic six-actuator design of a simple hexapod, thus providing a larger workspace while maintaining a high stiffness. This leads to a system suitable for low as well as high frequencies, both of which occur in automotive chassis design. For this reason, the DiM platform enables us to investigate vehicle dynamics as well as ride and comfort on the same motion platform.

About DiM (Driver-in-Motion)

The revolutionary driving simulation turnkey solutions from VI-grade provide automotive engineers with a complete set of innovative integrated driving simulators for a new-generation approach to system-level simulation, allowing companies to bridge the gap between virtual prototyping and testing. The dynamic configuration provides motion feedback to the driver thanks to an innovative moving platform with nine degrees of freedom, reduced overall dimensions and large travels. The machine architecture is called Driver in Motion (DiM). For the first time in the history of motion platforms, its kinematics have been designed to implement, in the best possible way, the motion cueing technology developed and tested by VI-grade. This family of simulators is based on a much more compact and less expensive driving simulator architecture compared to conventional simulators with a similar workspace. In addition, these solutions are fully scalable, i.e. it is possible to upgrade from static to dynamic simulation while reusing all components already purchased. The driving simulation solutions from VI-grade are based on VI-DriveSim, the product that provides the core software environment for all driving simulation solutions from VI-grade. For further information, please go to www.driverinmotion.com.

About Saginomiya

Saginomiya is the leading provider of automatic controls and test systems in Japan and is very highly reputed throughout the world for the quality of its products. Saginomiya started developing, manufacturing and selling test systems in 1964, expanding in several business fields such as civil engineering and construction, industrial machinery, railway services, power generation, aviation and automotive. Saginomiya's "Dynamic Servo" has been developed as the ideal test systems utilizing state-of-the-art core technologies such as electric and hydraulic hybrids as well as a next-generation simulator. Saginomiya is highly committed to serve the needs of the most technically advanced customers in the global market. For further information, please visit <http://www.saginomiya.co.jp/en/>.

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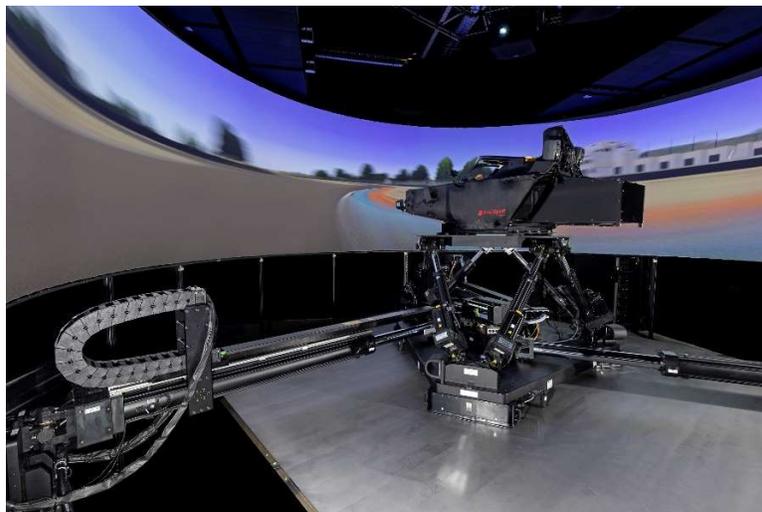
About VI-grade

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 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>.



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For further information about Audi Motorsport please visit: <https://www.audi.com/audisport>.

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