

Press Release



Applus+ IDIADA integrates virtual and physical testing with 2 new VI-grade driving simulators

The new simulation lab has dynamic and static simulators that complement the automotive engineering and testing services IDIADA provides to its clients worldwide

Santa Oliva (Spain), Aug 14th, 2019 – Applus+ IDIADA has expanded its virtual development capabilities with the acquisition of two driving simulators from VI-grade, the DiM250 and a compact simulator. These new driving simulators mean IDIADA offers virtual testing, reducing development times in areas such as chassis development, vehicle dynamics and CAV development.

By exploiting the synergies between physical and virtual testing, IDIADA can generate and correlate models in optimal context with the possibility of using IDIADA's tracks, available as public road data files and high-resolution graphics.

"The driving simulator is a key facility in our chassis and vehicle dynamics development projects as it links up our virtual and real activities." said Roger Mateu, Head of Vehicle Dynamics and NVH at Applus+ IDIADA.

"Driving Simulators are an essential tool in the development and testing of new vehicles. The level of accuracy of virtual vehicle models, the precision of movements of the motion platform, the availability of rendered tracks has reached an unprecedented level of accuracy. Results coming out from driving simulators are reliable and CAE engineers together with test drivers can take important decisions before building the first prototype and hitting the test track for the first time. IDIADA selected our Dynamic Driving Simulator DiM250 and COMPACT Simulator to bridge the gap between testing and simulation, to help its customers to develop cars faster and better and to provide a multidisciplinary laboratory to find the best trade-off between different vehicle targets. What IDIADA is doing is a sign of the revolution that is happening in the way cars are developed nowadays and engineers and drivers here are getting ready for the near future" commented Alessio Lombardi, South Europe Sales Director at VI-grade.

The new simulation lab's main feature is the dynamic DiM250 simulator, which can generate longitudinal, transversal and rotational acceleration forces up to 2.5 g, characterized by extremely low latency and high-frequency, replicating a wide range of vehicle dynamics

manoeuvres and reproducing complex driving situations. The DiM250 is complemented by a compact driving simulator that shares the same main features, except for the motion system.

About Applus+ IDIADA

Applus+ IDIADA offers design, testing, engineering, and homologation services to the automotive industry worldwide. Its reputation is founded on the expertise of an international team of more than 2,600 engineers and technical experts, first-class facilities, client focus and a constant drive towards innovation. An international network of subsidiaries and branch offices in 24 countries, including a world-leading proving ground in China, ensures that customers receive a fast and personalized service. IDIADA's headquarters, composed of a 360-hectare main technical centre that includes its own proving ground and a comprehensive set of laboratories, is located near Barcelona, Spain. -- www.applusidiada.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 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. –

<http://www.vi-grade.com>.

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