
PRESS RELEASE

Applus+ IDIADA's Famous Proving Ground now Digitised for Vehicle Dynamics Teams in Adams simulation software

Applus+ IDIADA and MSC Software sign agreement to provide customers seamless access to road definitions through Adams

Newport Beach, CA, November 12, 2019 – [MSC Software Corporation \(MSC\)](#), a global leader in computer-aided engineering (CAE) simulation software and services, today signed an agreement with Applus+ IDIADA to deliver its Virtual Proving Ground through the Adams multibody dynamics simulation software, enabling automotive manufacturers to perform virtual vehicle dynamics test and development using a digitised version of the renowned test tracks.

Applus+ IDIADA provides design, engineering, testing and homologation services to the global automotive industry. Its 360-hectare Barcelona proving ground is the most comprehensive independent proving ground in Europe and is considered to be among the best equipped worldwide.

The IDIADA Spain Virtual Proving Ground is a digitised 3D representation of all tracks in the proving ground, made available in Adams, the most widely used vehicle multibody dynamics software. It enables customers to generate road load data to perform realistic durability, ride and handling and comfort analysis of multiple vehicle systems. It reduces reliance on prototype vehicles for load case generation, and makes it easy to provide comprehensive data access to any engineer in any location to save engineering time and reduce cost.

"Collaborating with MSC on the promotion of IDIADA Spain Virtual Proving Ground is a big step forward in our digitisation strategy. It creates an added value product to the end customer, as well as offering realistic models to the simulation community. Most of our customers use Adams, so it aligns with the importance we give to simulation as a crucial pillar in the Applus IDIADA engineering services.", said Javier Gutierrez, Project Manager at Applus+ IDIADA.

"We are very excited that Applus+ IDIADA has chosen to partner with MSC Software, and chose Adams as a platform to make their virtual proving ground available. This will help our customers make more accurate and faster vehicle design decisions. It reduces reliance on prototype vehicles for load case generation, and provides global development teams with immediate secure access to valuable proving grounds at reduced cost", said Edwin de Vries, Senior Manager at MSC Software.

Using Applus+ IDIADA's virtual road load data will improve simulation accuracy at the early stages of the vehicle development process, offering significant savings in time and resources. It ensures that load cases are generated from the actual road surfaces rather than using 'man-made' or library road load data to validate physical prototypes. Using the Adams EncVPG Toolkit for IDIADA VPG, Adams users simply select the required test track from an integrated menu to securely load the data into the simulation environment. They can use it immediately to drive an Adams model – for example providing road definition to for electric vehicle Noise Vibration and Harshness (NVH) co-simulation using Actran acoustics simulation.

The Adams EncVPG Toolkit for IDIADA VPG is available from MSC Software, from today (13th November 2019).

About Hexagon | About MSC Software

Hexagon is a global leader in sensor, software and autonomous solutions. We are putting data to work to boost efficiency, productivity, and quality across industrial, manufacturing, infrastructure, safety, and mobility applications.

Our technologies are shaping urban and production ecosystems to become increasingly connected and autonomous – ensuring a scalable, sustainable future.

MSC Software, part of Hexagon's Manufacturing Intelligence division, is one of the ten original software companies and a global leader in helping product manufacturers to advance their engineering methods with simulation software and services. Learn more at www.mscsoftware.com. Hexagon's Manufacturing Intelligence division provides solutions that utilise data from design and engineering, production and metrology to make manufacturing smarter. For more information, visit hexagonmi.com.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 20,000 employees in 50 countries and net sales of approximately 3.8bn EUR. Learn more at hexagon.com and follow us [@HexagonAB](https://twitter.com/HexagonAB).

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 2,700 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 center that includes its own proving ground and a comprehensive set of laboratories, is located near Barcelona, Spain

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