Presse-Information

ASAP Group presents test system for virtual validation at CES 2025

ASAP and HCLTech presented innovative solutions in the field of automotive engineering at the international Consumer Electronics Show (CES) in Las Vegas / ASAP TestSphere ensures significant time and cost savings in the validation of software / ASAP and HCLTech are helping to shape the transformation of the automotive industry for the benefit of their customers and partners

Ingolstadt, January 13, 2025. At one of the world's largest technology trade fairs, the Consumer Electronics Show (CES) in Las Vegas (USA), the ASAP Group and its parent company HCLTech jointly presented innovative solutions in the field of automotive engineering from January 7 to 10, 2025. Among other things, the focus was on new approaches in the field of virtual validation, which enable customers and partners of ASAP and HCLTech to validate software requirements for automobiles in a much more time- and cost-saving manner. New tech developments are presented and discussed at CES every year. A key topic in 2025 was the application of artificial intelligence (AI) in the automotive industry.

For example, ASAP experts presented a modular and scalable test framework that optimizes test benches in the areas of Model-in-the-Loop (MiL), Software-in-the-Loop (SiL) and Hardware-in-the-Loop (HiL), among others. The comprehensive ASAP TestSphere improves the efficiency and precision of validation by separating the development of vehicle-specific functions from the development of the basic test bench system and by using AI-supported keyword-driven testing. By decoupling the test design process from the tool landscape, customers can continue to use the systems they are familiar with to validate software functions. The implementation of keyword-driven testing in turn makes it possible to write a test case only once and to easily adapt and reuse it for different test systems, test levels and test frameworks. The time required to develop the test design alone can be reduced by up to 75 percent of the original effort thanks to the test framework designed by ASAP.

The ASAP TestSphere is an example of how ASAP and HCLTech are helping to shape the transformation in the automotive industry for the benefit of their customers. "The increasingly software-defined automotive world has to overcome challenges such as long product development processes, a lack of consistency between test requirements and validation as well as complex test processes. This is where the ASAP TestSphere, which incorporates our many years of expertise in automotive engineering, uses state-of-the-art methods and technologies such as AI and adapts to the needs of customers, comes in: It simplifies and accelerates the validation process to a considerable extent and, in the process, can help to significantly reduce time-to-market," says Gernot Joswig, CBDO of the ASAP Group. "The interest in the ASAP TestSphere, which was also presented in a keynote, as well as in other innovative solutions from ASAP and HCLTech was very high at CES," adds Gernot Joswig.

HCLTech, a leading global IT and technology group, has over 30 years of experience in the automotive and other industries. This is optimally complemented by ASAP's deep understanding of OEM processes and specific requirements in the automotive engineering sector. Customers of ASAP and HCLTech benefit from further

integrating methods and tools, such as next-gen technologies like Chip to Cloud, which are particularly useful for the Software Defined Vehicle.

"Together, HCLTech and ASAP offer worldwide, 24/7 and almost infinitely scalable end-to-end solutions for almost all automotive customer requirements. This joint portfolio is an absolute rarity in automotive engineering. The numerous discussions at CES, which attracted around 140,000 visitors from all over the world, confirmed this once again," says Frank Petznick, Senior Vice President & Global Automotive Engineering Head HCLTech and Managing Director of the ASAP Group. "We offer both established customers and new players tangible added value when it comes to bringing new technologies to the road safely, quickly and cost-effectively. Our agile and future-oriented approach is also of great importance because the transformation of the automotive industry goes far beyond changing drive types. It will affect all processes and the way we think about cars and mobility," continues Frank Petznick.

Image material:

Caption: The ASAP Group provided insights into its extensive service portfolio at CES 2025.

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The ASAP Group
The ASAP Group was founded on January 1, 2010 with a clear focus on the future technologies of the automobile. Today, the development partner to the automotive industry can look back on almost unparalleled growth in automotive engineering: as of January 2024, 1,700 employees were working for the group of companies. The ASAP Group, a subsidiary of HCLTech, offers comprehensive development services with a focus on megatrends such as e-mobility, autonomous driving and connectivity. With its five service segments – Electrics/Electronics, Software, Consulting & Service, Test & Validation and Vehicle Engineering – ASAP's strategic development focus is on future-oriented technology fields.