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Customized hardware-in-the-loop solution with the CONiX Platform

**With the CONiX HiL Solution, b-plus automotive launches another module for its CONiX Platform. The scalable solution is used for the development and validation of ADAS/AD platforms and sensors. Like other CONiX Solutions, it is characterized by its flexible configuration options. From playback in a space-saving compact format to fully equipped HiL racks with high bandwidth for 24/7 use, it offers a holistic solution spectrum.**

The CONiX HiL Solution combines modular software modules with state-of-the-art hardware and can be used both as an open and closed loop ADAS/AD HiL system.

In contrast to classic HiL systems, the CONiX modules can be individually adapted and integrated to customer requirements. True to the motto "just an Ethernet cable away", b-plus automotive thus provides a customized plug and play solution for its customers.

With the new CONiX Solution, the efficiency of product development and assurance processes can be increased. This results in a more sustainable use of development resources and reduces costs as well as risks in the long term. In addition, development periods can be significantly shortened and the coverage of test cases, which cannot always be reliably reproduced in physical test scenarios, is increased.

This is the case when a HiL solution is used by eliminating a time-consuming process step in the test process. Real test drives are then replaced by simulations, which help to test and further develop the "device under test" (DUT) in real time. Only when all errors have been eliminated in this test step and all functions have been sufficiently tested, the final test does take place on the road.

The solution integrates seamlessly with existing customer tools and processes and enables time-synchronous playback of raw sensor data, vehicle BUS and network information. It supports common sensor technologies such as radar, lidar and camera sensors. The physical layers supported include CSI2, GSML2 and FPD-III. The functional scope is rounded off by the simulation of vehicle communication via CAN(FD) and automotive Ethernet with the associated protocols.

Further information on the CONiX HiL Solution can be found at [www.b-plus-automotive.com/en/solutions/hil-solution](https://www.b-plus-automotive.com/en/solutions/hil-solution?mtm_campaign=CONiX%20HiL%20Solution%20Presse&mtm_source=Presse%20(LinkedIn%2C%20Newsletter%2C%20Verlagsseiten)&mtm_content=Release&mtm_cid=2105_1&mtm_group=2105%20CONiX%20HiL%20Solution&mtm_placement=Produktseite).

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About b-plus automotive GmbH:

b-plus automotive GmbH specializes in the areas of embedded software, connected car and applied machine learning. In this context, it develops software for embedded control units (ECU) and advanced driver assistance systems (ADAS) for automated, autonomous and connected driving from the sensor to the cloud. Based on platform-independent standard components, it offers holistic engineering services ranging from development, integration, testing and validation (HIL/SIL) to cloud services. With individually adapted solutions, it supports its OEM and Tier1 customers to get their products into series production faster and more safely.