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Press release

Dresden, March 10, 2021

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## The new Automotive DevOps Platform tests Vehicle software around the clock

The complexity and variety of automated and autonomous vehicle functions are constantly increasing. Therefore, more testing must be carried out during vehicle software development and the results must be quickly available and of high quality. Because software errors cost a lot of time and money in the market launch process.

As a specialist in the field of test automation, TraceTronic is launching the new Automotive DevOps Platform, a product that links all phases of vehicle software testing.

The Automotive DevOps Platform supports automotive standards such as ASAM XIL, ASAM ATX or ISTQB. The various connection options for third-party tools, such as test management systems, tools for carrying out the test, SCM or ticket systems, make integration into existing customer systems easy.

The Automotive DevOps Platform promotes collaboration in the test automation process. This means that direct feedback is possible in every test phase and the processes are automated as far as possible.

The platform goes through eight phases:

- Planning the test scopes: Existing requirements are imported from an ALM system or via an inbuilt API.
- Test case development: Abstract, reusable test cases are generated for automated execution in physical (HiL), as well as virtual test environments (SiL, MiL).
- Trace analyses development: For recorded measurement data, the test depth can be significantly increased using validations and verifications.
- Carrying out the test: The platform distributes tests across available systems and coordinates their parallel execution. This ensures the best possible utilization.
- Carrying out trace analyses: The downstream analysis of the measured data takes place separately from the test stimulation. The advantage is the reusability of the results and the immediate release of the test system.
- Review of the test results: The review of the results is supported by post-review functions and error classifications or groupings. Defects and review templates are available for this purpose.
- Release of the software status: The summary of test results in release and coverage overviews is based on the defined test scopes. By linking the results with the associated defect tickets, change tracking (traceability) is ensured.
- Monitoring via test infrastructure and test results: Continuous monitoring during development provides an overview of all the activities at any time. In this way, immediate measures can be defined to deal with problems.



The new Automotive DevOps platform is available now.

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**About TraceTronic:** Founded in 2004 as a university start-up at the TU Dresden, TraceTronic has since developed into a global company. It now has over 300 specialized employees, students and trainees, and the growth trend is continuing in 2021. TraceTronic, headquartered in Dresden, has additional locations in Ingolstadt, Munich, Stuttgart, as well as in the USA and Korea. Thanks to our continued proximity to universities, we are able to research new techniques and design innovations within the framework of various research projects.

TraceTronic supports more than 150 companies in the international automotive and supplier industry with software products and innovative solutions for the development and safeguarding of complex embedded systems in vehicles. Using the latest technologies and methods, as well as the integrated software tool chain, sustainable solutions for the fully automated testing of ECU software on different platforms are designed and seamlessly integrated into existing process chains.

The ECU-TEST, TRACE-CHECK and TEST-GUIDE tools, as well as the Automotive DevOps Platform based on the tool chain, are used in over 30 countries worldwide – including in Silicon Valley. Companies such as Audi, BMW Group, Bosch, CLAAS, Continental, Daimler, Denso, Ford, Geeley, IAV, John Deere, Magna, Porsche, Rivian, Siemens and Volkswagen rely on TraceTronic's technical expertise and years of experience in agile working methods.

More information about the company and solutions is available at <http://www.tracetronic.de>.