

Press Release

for immediate publication

X-Zero 2.0: Evaluate ADAS tests directly in the vehicle

measX presents updates to vehicle safety evaluation tools

Moenchengladbach, GERMANY, 13 July 2021: measX GmbH & Co. KG, specialist for evaluation software, publishes major releases of the programs for vehicle safety. The software X-Crash for crash test evaluation and X-Crash ATD for dummy certification are thus available in version 8.0. X-Zero, the evaluation tool for the testing of assistance driver systems (ADAS), appears in its second edition. The software updates offer additional test specifications and improvements in ease of use and evaluation. With X-Zero 2.0, it is possible for the first time to evaluate ADAS tests already in the test vehicle.

Since its launch in 2019 - then called X-Crash Zero - the X-Zero evaluation software has become the standard for the development and validation of driver assistance systems. "Active safety is now a completely separate topic in the industry. That's why we are dispensing with the name suffix 'Crash' from now on and focusing on the shared Vision Zero - road traffic without crashes," explains Klaas Ebel, Business Development Manager Vehicle Safety at measX.

The most important innovation in X-Zero 2.0 is the "On Road" mode, which supports test evaluation directly in the test vehicle. As standard software, X-Zero can be installed on any Windows-capable computer in the vehicle. The on-road mode is optimized for easy operation, for example via touch display. Klaas Ebel explains: "With this version, we are responding to the customers' desire to use the time on the Proving Ground as efficiently as possible. Immediately after the maneuver, X-Zero automatically creates the evaluation and the test can be assessed immediately."

The reports in on-road mode do not differ from those of the desktop version. New in X-Zero 2.0: The test results of different traffic scenarios are not only presented numerically, but also in graphical form. For example, an additional "intersection plot" shows the positions of test vehicle and target at the end of the maneuver.

In addition to these innovations, minor adjustments increase the user comfort of X-Crash and X-Zero. Selection and parameterization of macros have been simplified and the display options for

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channels have been expanded. Data sets can now be evaluated according to different regulations in just one step and comparative evaluations, for example of crash and sled tests, are better supported.

X-Crash is the reference software of Euro NCAP and other evaluation programs for new vehicles and contains all relevant international test regulations. For the current release, the developers brought all evaluations up to date with the latest regulations.

X-Crash ATD 8.0 for dummy certification has received updates for numerous dummy types. A new feature for automated alignment of test data folders improves collaborative work in a network.

"For automotive developers and test laboratories, it would be extremely time-consuming to ensure that the evaluation is up to date and reliable, given the very different and ever-changing test requirements worldwide. Here, we see our task as a development partner and regularly adapt the support tools to new evaluation requirements," says Klaas Ebel.

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Download of this Press Release incl. Imagery:

https://www.measx.com/downloads/Presseinfo/PM210713_measX_X_Crash8_Zero2_Updates.zip



((Bild 1: X-Zero On-Road-Mode))

Caption: X-Zero's latest innovation is the on-road mode: each test can be examined directly in the vehicle immediately after the maneuver.



((Bild 2: Crossingplot))

Caption: Turning maneuver with oncoming vehicle: The intersection plot quickly shows whether the emergency brake assistant has reacted in time.

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Company Profile measX GmbH & Co. KG:

measX is a recognized specialist for test bench technology and test data management. For 40 years, the company has been developing, manufacturing, and selling customized test systems for research, development and production. Well-known companies from the automotive and mechanical engineering industries as well as the chemical, electronics and energy sectors rely on measX's technological competence and expertise.

The focus within test bench technology is on automated measurement and test systems, retrofitting, in-house tailored electrical connectivity, and pre-conditioning solutions as well as developing and building specialized measurement equipment in small series. measX is a proven LabVIEW specialist and main distributor of the "easy-to-use" metrology software DASYLab. In the area of test data management, measX creates data management applications and evaluation systems that help customers to make comprehensive use of acquired test data and therefore informed decisions. The in-house developed data management and analysis software X-Frame can be used across industries with all kind of data.

The X-Crash analysis system from measX is the world's leading software for evaluating vehicle safety tests and a binding standard of Euro NCAP. The MOSES software specializes in vehicle dynamics tests.

At the company's locations in Moenchengladbach and Aachen, more than 60 employees work for customers in Germany, Europe and beyond.

measX is a long-standing Platinum Alliance Partner of National Instruments, an active member of committees such as AMA Fachverband für Sensorik e.V., ASAM e.V. and the Arbeitskreis Messdatenverarbeitung Fahrzeugsicherheit (MDVFS). As a partner of universities and colleges, measX sees itself as a bridge builder between research and industry.

"ADAS IIT-Innovation In Test" a collaboration between measX and three other companies, leverages the partners' expertise in advanced driver assistance systems (ADAS), sensor fusion, hardware-in-the-loop (HiL), V2X communication, GNSS simulation, and data management to provide one-stop solutions for testing the development of autonomous vehicles.

More information at: <https://www.measx.com>

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