


Press Release			
MCD Elektronik GmbH Hoheneichstr. 52 – 75217 Birkenfeld - Germany Tel. +49-7231 78405-0 – Fax: +49-7231 78405-10 CEOs: Bruno Hörter & Dr Thomas	Release Date: 01.05.2021		Page 1 of 3
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For immediate publication		Queries to: Tobias Stange, Tobias.Stange@mcd-elektronik.de	


MCD Elektronik pushes AI development project

Future measurement data analysis by artificial intelligence

Birkenfeld, Germany, May 01, 2021: The rapid development of the digital transformation has meant that artificial intelligence, AI for short, can now also be used in the field of measurement and testing technology. Intelligent software algorithms analyse the collected measurement data to detect regularities and use them to make forecasts for the future. This enables potential errors and cost drivers to be identified, process efficiency to be increased and predictions to be developed with regard to product and inspection quality.

In order to also be able to use this key technology for test systems of MCD Elektronik GmbH, a development project was recently started which provides significant empirical values. Real-time processing of large amounts of data in the test field is offered, as well as tools for permanent condition monitoring of the measurement data and predictive maintenance. In detail, the MCD development as a service package will include the core points of trend detection through clustering, test step deviations, test sequence and parameter optimisation, as well as measurement system analysis (MSA) and statistics generation.

The upload of measurement data to MCD servers or to an existing customer cloud is done manually via an HTTPS-secured web interface and using any device. An automated data feed directly from the test system is also possible through a secure communication tunnel via VPN.

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Stored data sets are permanently analysed on the AI platform in order to identify patterns and thus future problems. Individually requested on-demand analyses of measured values, variances or MSA data are also possible. AI-generated analyses and optimisation proposals are then subsequently evaluated by MCD's measurement technology specialists together with the customer and processed for the following test processes.


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Image:



In the future, AI applications will analyse measurement data from MCD test systems in even greater detail and use it for test optimisation.

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About MCD Elektronik GmbH:

MCD Elektronik GmbH was founded in 1983 and today employs 60 people. The owner-managed company has its headquarters in Birkenfeld near Pforzheim. MCD Elektronik is active in Germany, Hungary and China and delivers to over 50 countries worldwide.

MCD Elektronik GmbH manufactures measuring and testing systems for electronics production for its customers from a wide range of industries. In doing so, the company consistently relies on zero-defect tolerance in quality assurance.

At productronica 2023. The MCD Elektronik GmbH presents its products and innovations in hall A1 on booth 155. Feel welcome to visit us!