pls Development Tools

Debug ▪ Trace ▪ Test
for Embedded Systems

PRESS RELEASE pls04-2024-E

New Timing bundle from Vector and PLS simplifies runtime analysis of ECUs

Lauta (Germany), October 29, 2024 - For the efficient analysis of the timing behavior of ECUs, Vector and PLS Programmierbare Logik & Systeme now offer a new free timing bundle which can be used to identify and eliminate timing problems in early project phases. Currently, the TriCore™ and AURIX™ microcontroller families from Infineon are supported.

The timing bundle for PLS' UDE Universal Debug Engine is based on the Vector ECU basic software MICROSAR Classic and the TA Tool Suite and is available from Vector. The UDE takes over the task of convenient and precise tracing directly on the ECU hardware. For the user-friendly trace recording, the basic software interface "AUTOSAR Run Time Interface" (ARTI) is used as a standardized exchange format and configured using the DaVinci Configurator Classic tool.

PLS' UDE, a powerful development tool for debugging, tracing and testing embedded software for microcontrollers and embedded processors, is characterized among other things by its intuitive user interface. In combination with the debugger devices UAD2pro, UAD2next or UAD3+ from PLS' Universal Access Device family, the versatile tool enables the direct recording of the runtime behavior of ECU applications using on-chip trace. The UDE supports the ARTI standard for AUTOSAR awareness as well as for generating trace data for further analysis by timing tools.

TheTA Tool Suite from Vector enables in-depth analysis of the timing behavior of an of an ECU. It also simplifies the integration of software, taking timing aspects into account. This increases the efficiency and responsiveness of embedded real-time systems. The TA.Inspection option of the TA Tool Suite is used to import trace measurements from UDE via the MDF-ARTI format. This makes it easy to analyze response times, utilization and other metrics. The timing bundle also contains the steps required to automate the entire process.

Further information on the timing bundle from Vector and PLS can be found at https://www.pls-mc.com/autosar-arti and www.vector.com/ta-tool-suite.

PLS Programmierbare Logik & Systeme GmbH

PLS Programmierbare Logik & Systeme GmbH, based in Lauta (Germany), is the manufacturer of the debugger, test and trace framework Universal Debug Engine® (UDE®). Thanks to its innovative tools for embedded software development, PLS has developed into one of the technology leaders in this field since its foundation in 1990. The UDE combines powerful capabilities for debugging, testing and system-level analysis with efficiency and ease of use. The UAD2pro, UAD2next and UAD3+ access devices of the Universal Access Device (UAD) family complete the comprehensive debug functions of UDE and enable fast, robust and flexible communication with the target system. For further information about our company, products and services, please visit our website at www.pls-mc.com.

For media-related inquiries, please contact:

PLS Programmierbare Logik & Systeme GmbH
Jens Braunes
Technologiepark
02991 Lauta, Germany
Phone +49 35722 384-0
Email jens.braunes@pls-mc.com

3W Media & Marketing Consulting
Werner W. Wiesmeier
Preisingerlohweg 2
85368 Moosburg/Aich, Germany
Phone +49 8761 759203
Fax +49 8761 759201
Email werner.wiesmeier@3wconsulting.de