



Photo available: https://perceprio.com/press/photos/Lauterbach_Perceprio.jpg

Perceprio and Lauterbach Announce Collaboration for Faster Debugging

- ***Live streaming into Tracealyzer available for Arm® Cortex-M® devices***
- ***Aims for full integration of hardware trace data by end of year***

Västerås, Sweden, 13 April 2021 * * * [Perceprio®](#), the leader in visual trace diagnostics for embedded systems and the Internet of Things (IoT), and [Lauterbach](#), the leading supplier of complete, modular and upgradeable microprocessor development tools, announce their cooperation to achieve faster debugging through closer integration between Perceprio Tracealyzer® and Lauterbach's series of TRACE32® high-end tracing tools.

The first result of this cooperation is an integration that allows Lauterbach users on Arm Cortex-M microprocessors to live stream software trace data into Perceprio Tracealyzer, providing visual trace diagnostics for accelerated debugging and verification. The solution is described in [a recent application note](#) from Perceprio and leverages the Perceprio trace recorder library, supporting e.g. FreeRTOS and SAFERTOS®.

“Lauterbach is pleased to have started a collaboration with Perceprio. It gives our customers the great benefit of using the non-intrusive high-speed tracing capabilities of TRACE32 in combination with the in-detail trace analysis of Tracealyzer. It's a perfect fit to find bugs and defects that are difficult to detect, such as race conditions or sporadic timing issues,” said Norbert Weiss, Managing Director of Lauterbach GmbH.

“We see tremendous potential in using high-end tracing solutions such as Lauterbach TRACE32 and µTrace together with the advanced visualization in Perceprio Tracealyzer. Our

Lauterbach integration allows Tracealyzer users to record runtime data at unprecedented speeds using the Lauterbach μ Trace for Arm Cortex-M,” said Johan Kraft, CEO, Percepio. “It also allows existing Lauterbach users to achieve a new level of insight with Tracealyzer. The next step is to leverage hardware trace data in Tracealyzer to show more detailed information. We have a working solution in development, and we have been collaborating with Lauterbach on that for some time now.”

Ultimately, the goal is to enable all Lauterbach customers to use visual trace diagnostics with Percepio Tracealyzer based on hardware trace data. The two companies already have joint customers asking for this capability and expect to announce further products during the second half of 2021.

About Lauterbach

Lauterbach is the leading supplier of complete, modular and upgradeable microprocessor development tools worldwide with experience in making world class debuggers and real-time trace tools since 1979. The unified and configurable user interface and architecture-independent base modules support almost all of the available processor architectures in the market today. Thanks to this modular concept, the debug system can be optionally extended with off-chip trace functions. TRACE32 tools are applied early in the pre-silicon phase for virtual prototyping and provide seamless transition to all follow-up phases throughout the development process until mass production. For more information, visit lauterbach.com.

About Percepio

Percepio is the leading provider of visual trace diagnostics for embedded and IoT software systems in development and in the field. Like a surveillance camera for embedded software, Percepio Tracealyzer allows users to visually spot and analyze issues in software recordings during development and testing. Percepio DevAlert is a cloud service for monitoring deployed IoT devices, combining automatic error reporting with visual trace diagnostics powered by Tracealyzer.

Percepio collaborates with leading vendors of processors and operating systems within embedded system and IoT such as Infineon, NXP Semiconductors, STMicroelectronics, Renesas Electronics, Wind River Systems and Amazon Web Services. Percepio is based in Västerås, Sweden. For more information, visit percepio.com.

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