



# Seamless Debug & Trace Integration for Safety-critical Systems

In the development of Safety-critical embedded systems, reliable tools and seamless integration between software/hardware are essential. SYSGO and Lauterbach offer a joint solution that brings together the strengths of SYSGO's hypervisor-based real-time operating system PikeOS and Lauterbach's industry-leading TRACE32® debug and trace tools. This collaboration provides embedded developers with a fully integrated toolchain, designed to simplify complex development workflows, reduce time-to-market, and meet the highest standards in certification.

## TECHNOLOGY CO-OPERATION

- Combination of TRACE32® development tools and SYSGO's Hypervisor and OS solutions
- Early access to each companies Beta versions to have the integration prepared at launch time
- Jointly address Safety-critical market demands and requirements world-wide
- Development of consolidated applications of different criticality on one hardware

## LAUTERBACH TRACE32® PRODUCTS INCLUDE



- TRACE32® PowerView software as central front end for all debug and trace activities
- PowerDebug base debug modules and PowerTrace trace extensions for broadest coverage of supported chips and core architectures in the embedded industry
- Target-specific debug and trace probes
- Corresponding licenses and support

## CUSTOMER ADDED VALUE

- In-house expertise for seamless integration of Lauterbach's debug and trace tools with SYSGO's PikeOS and ElinOS products
- Better support of Lauterbach's TRACE32® debug and trace tools with SYSGO's real-time operating system PikeOS to set up new projects together
- Integrated tool-chain supporting Arm® 32/64-bit-, RISC-V, PowerPC and x86 architectures
- Alignment of features of each supported product version.
- Support of PikeOS HW-virtualization (hypervisor support) in the Lauterbach debug and trace tools
- Reduced effort and time-to-market by integrated and proved debug and trace tools

**About Lauterbach** - Lauterbach is the leading manufacturer of cutting-edge development tools for embedded systems with more than 45 years of experience. The company is serving customers all over the world and partnering with all semiconductor manufacturers. The engineering team develops highly proficient and specialized development tools under the brand TRACE32®. Contact us at [sales@lauterbach.com](mailto:sales@lauterbach.com)

**About SYSGO** - Founded in 1991, SYSGO became a trusted advisor for Embedded Operating Systems and is the European leader in hypervisor-based OS technology offering worldwide product life cycle support. We are well positioned to meet customer needs in all industries and offer tailor-made solutions with highest expectations in Safety & Security. Contact us at [sales@sysgo.com](mailto:sales@sysgo.com)