

PRESS RELEASE

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Lauterbach announces SAFERTOS® awareness from TRACE32®



Lauterbach, the leading manufacturer of microprocessor development tools, has announced that they have extended the kernel awareness for SAFERTOS from WITTENSTEIN high integrity systems on all Arm® processors. The new SAFERTOS awareness provides easy access to task lists and other kernel information, generates performance analysis data and enables customers to carry out effective debugging with the TRACE32 systems on targets running SAFERTOS.

SAFERTOS is a pre-emptive, safety critical Real Time Operating System (RTOS) available precertified to IEC 61508 SIL3 and ISO 26262 ASIL D. SAFERTOS is used internationally across a range of safety critical applications and is renowned for its high quality,

delivering unprecedented levels of determinism and robustness to embedded systems whilst using minimal resources.

The new software package from Lauterbach contains a ready-to run configuration for the SAFERTOS Real Time Kernel. The SAFERTOS awareness for TRACE32 allows the developer to display all SAFERTOS system resources including task information, dynamic thread performance measurement, and SAFERTOS specific display of trace listing, as well as statistic evaluation and graphic display of task and function run times, PRACTICE functions for OS Data, and SAFERTOS related Pull-Down Menu.

All features of the TRACE32 awareness for SAFERTOS do not require any additional target configuration or any hooks or patches within the OS itself. The philosophy of TRACE32 is for the application to behave exactly the same in the debug environment as on the final product; only this way can 100% certainty of testing be achieved.

“With the increasing complexity of embedded designs, customers require ever more comprehensive tool kits.” Says Andrew Longhurst, Business Manager at WITTENSTEIN high integrity systems. “Our partnership with Lauterbach, and the new awareness from TRACE32 is a great help to our customers, enabling leverage of leading kernel aware debugging for SAFERTOS.”

“We’re proud to have entered into a partnership with WITTENSTEIN”, says Rudi Dienstbeck, RTOS specialist at Lauterbach. “Especially safety critical systems need a seamless toolchain to help the engineer developing secure systems. SAFERTOS and TRACE32 now build a perfect combination for such tasks.”

About LAUTERBACH

Lauterbach is the leading manufacturer of complete, modular and upgradeable microprocessor development tools worldwide with experience in the field of embedded designs since 1979. It is an international, well-established company with blue chip customers in every corner of the globe and has a close working relationship with all semiconductor manufacturers. At the headquarters in Höhenkirchen, near Munich, the engineering team develops and produces highly proficient and specialized Development Tools, which are utilized all over the world under the brand TRACE32®. Our branch offices exist in the United Kingdom, Italy, France, Tunisia, on the east and west coasts of the United States, Japan and China. Highly qualified sales and support engineers are also available in many other countries. For more information visit <http://www.lauterbach.com/>

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