WE DEVELOP PRECISION

GLIWA

1st CLASS ANALYSIS

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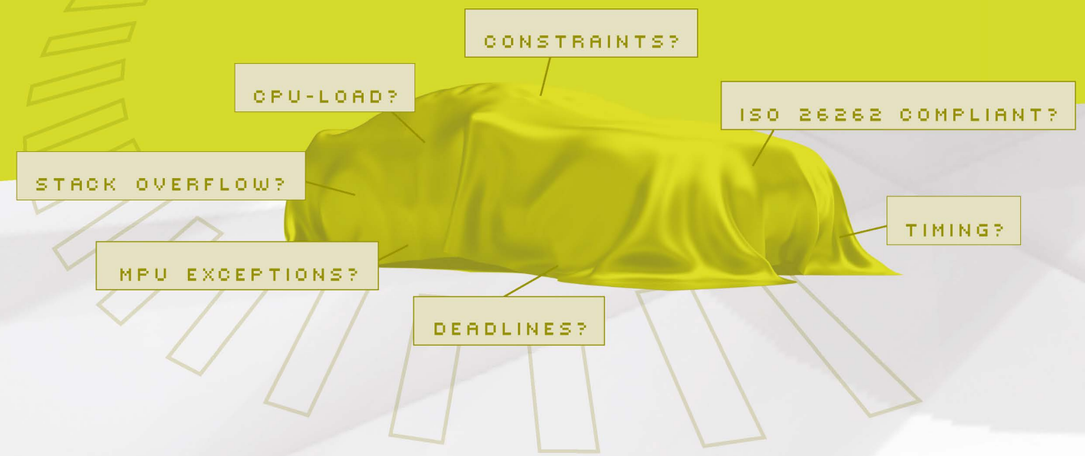
THE ANALYSIS SUITE FOR REAL-TIME SYSTEMS



T1.timing

The most frequently deployed timing tool in the automotive industry boosting the efficiency, the reliability and the safety of embedded systems.

T1.stack

Static stack-analysis – unique in the world with the option to complete the call-tree based on measurements.

T1.accessPredictor

Allows checking for any memory access violations before even flashing the software ("off-line MPU"). The analysis is based on the binary only, no source code necessary.

GLIWA is one of the world's leading vendors of analysis tools for embedded software. T1 provides 1st class analysis for developing, visualizing, optimizing and verifying embedded software. Since 2003, T1 has been used in more than 1000 mass-production projects and has become the de-facto standard for timing analysis in the automotive domain.

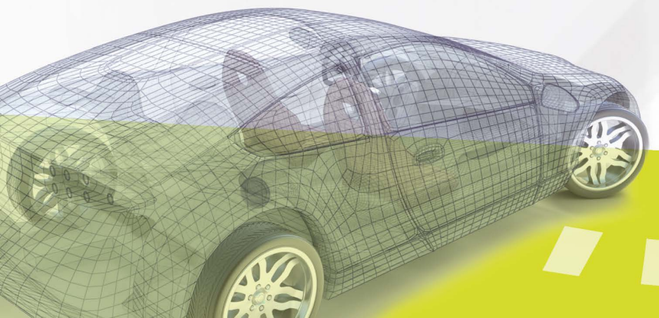
With T1 there is no need for special hardware or stopping the execution of a running system. T1 works on the developer's desk, at the test-bench and in the real environment, for example the car. It can even be present in the final production version of the software – supervising the software at run-time (ISO 26262 ASIL-D certified versions of T1 available).

Efficiently build safe and reliable embedded systems – T1.

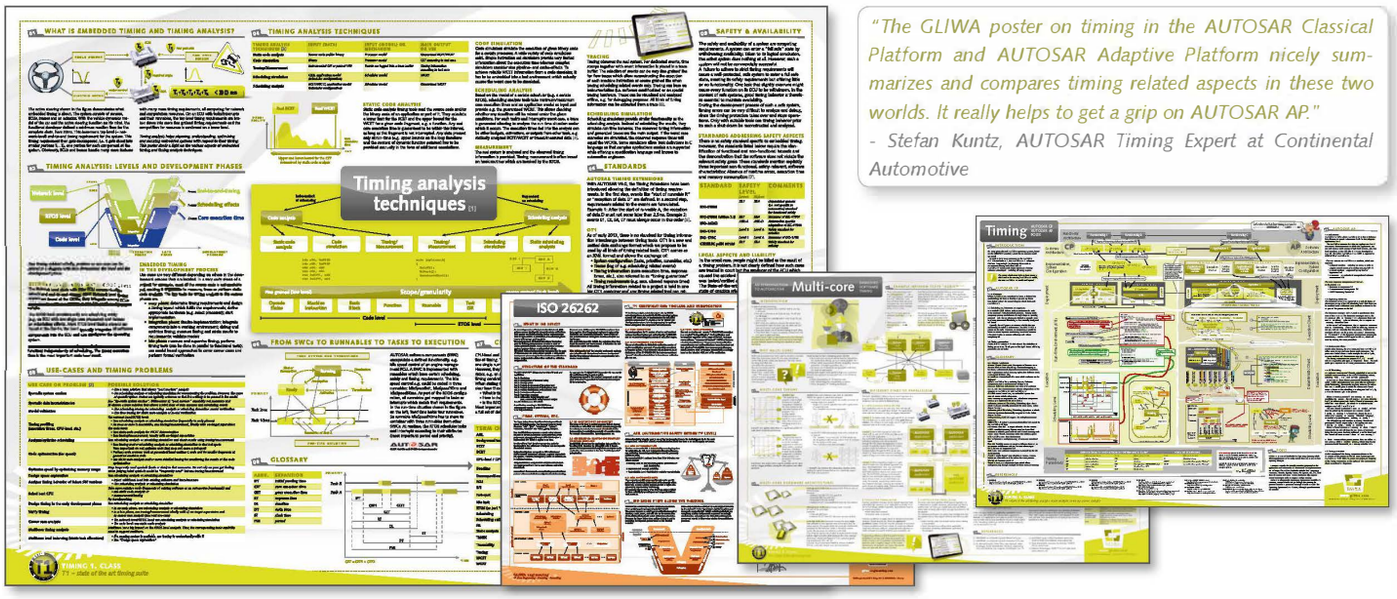
"Thanks to T1, we can continue to use our ECU for the next generation. We are not talking about a small optimization, T1 saved us an entire development cycle!" - Walter Kuffner, then division manager EI-6, BMW

"With T1 we were able to reduce the turn-around time for our automated measurements from around 6 hours to below 1.5 hours. And that applies generically to many projects. The time saving is enormous!" - Ralph Mader, Senior Technical Expert, Continental

"Unbelievable: the sporadic crashes, which our specially assembled task force hunted for months, were resolved by the Gliwa experts in a few days. It saved our SOP [start of production date]." - OEM



BMW, BOSCH, Continental, DAIMLER, HELLA, DENSO, EADS, HARMAN, DELPHI, iav, Infineon, Audi, nexteer, NSK, ZF INDIA, Panasonic, TRW Automotive, VW, ZF, SACHS, MAGNA, TATA, HITACHI, Valeo, JTEKT, PSA GROUPE, FCA, BAIC BJEV, NIO, SAIC MOTOR



"The GLIWA poster on timing in the AUTOSAR Classical Platform and AUTOSAR Adaptive Platform nicely summarizes and compares timing related aspects in these two worlds. It really helps to get a grip on AUTOSAR AP."
- Stefan Kuntz, AUTOSAR Timing Expert at Continental Automotive

Many walls in software development offices around the world are decorated with our posters on timing analysis, multicore, ISO 26262 and AUTOSAR CP/AP timing. They provide fundamental know-how independent of any specific tool. Download the PDFs from gliwa.com or request your own hard-copy free of charge!

GLIWA

GLIWA provides cutting-edge software tools for analyzing, optimizing and verifying embedded software.

GLIWA also coaches automotive OEMs and suppliers around the world and is well known as a 'fire-fighter' for embedded software issues.

GLIWA

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