



The Embedded Software Tools Company

Press Release

Cooperation iSYSTEM and LieberLieber Software

Integrated tool chain for model based testing and debugging of embedded software.

February 12 Vienna, Austria/Schwabhausen, Germany,.....LieberLieber Software and iSYSTEM recently announced their cooperation for the development of an integrated tool chain for model based testing and debugging of embedded software. This cooperation allows software developers to use UML-tools to test and debug on the model layer.

“We are proud to cooperate with iSYSTEM, a leader in development and test of embedded solutions. Together we address the growing market of model based embedded development and provide an integrated tool chain for testing and debugging embedded software”, says Roman Bretz, CTO of LieberLieber Software.

Solution for a growing market

Both the market for embedded solutions and the market for model based software and system development are growing. But there is a lack of tools for testing and debugging software directly from the model with specific hardware. “Efficient model based approaches to embedded software development need to build on an integrated tool chain. Our first step on the embedded market was enar uml2code for embedded systems, a code generator providing platform independent C++ and MISRA compliant c-code from UML models. With enar uml debugger we expand our offer for the embedded market and the cooperation with iSYSTEM is a major step on this way. Our partner addresses a wide variety of microcontroller platforms, allowing developers to test and debug their software on the target platform”, explains Bretz. Trough the combination of winIDEA, the embedded software development platform, and the blue box of iSYSTEM on the one side and enar uml debugger of LieberLieber Software on the other side a new tool chain for the Enterprise Architect community evolves.

“The embedded market finally is ready. It took some years to bring modeling, code generation and debugging tools together. LieberLieber Software and iSYSTEM were even more surprised, how easy and flexible both solutions could be merged into an integrated tool chain. This marks another milestone in iSYSTEM’s connectivity strategy along embedded development and test processes”, says Erol Simsek, CEO of iSYSTEM AG.

Model based test and bug analysis

The new solution combines enar uml debugger, the first graphical UML debugger integrated in Enterprise Architect, with winIDEA, an integrated development environment for embedded software development and testing. LieberLieber’s UML debugger is based on enar uml2code, a code generator for embedded systems. The code generated by a customer selected compiler may be transferred directly to the hardware. Finally enar uml debugger is connected to the target system through iSYSTEM’s infrastructure, allowing graphical testing of code and debugging of the model with the visualization module of the UML debugger. Both code generator and UML debugger from LieberLieber Software support class and activity models as well as state machines. iSYSTEM’s software and hardware tools (winIDEA and blue box) are available for more than 50 different CPU architectures, 3500 microcontrollers and 150 compilers.



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Visit us at embedded world 2014, Nuremberg, February 25 to 27:

iSYSTEM: hall 4, booth 306

LieberLieber Software + SparxSystems Software: hall 4, booth 638

About LieberLieber Software

LieberLieber Software is a privately held company, founded in 1996 and headquartered in Vienna. The company's focus is on model-based development and provides products and solutions for the UML platform Enterprise Architect, used by over 300.000 customers around the world. These products are developed for supporting customers in building models, to integrate Enterprise Architect in tool chains and to optimize the reuse of model informations in further development phases. LieberLieber Software stands for expert advice in the areas of UML, SysML, AUTOSAR-Modeling, ReqIF, Web-based model access as well as code generation and debugging of models for embedded systems. LieberLieber Software has partnerships all over the world.

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About iSYSTEM

iSYSTEM is a privately held company headquartered in Germany, close to Munich. Since its foundation in 1986, iSYSTEM is an independent manufacturer and provider of embedded software debugging and test tools. Beside standard products iSYSTEM offers development and production services for custom designs, projects and OEM products.

iSYSTEM's Blue Box Technology stands for fast and easy microcontroller access via any kind of microcontroller debug interface. No matter whether one is developing, debugging or testing embedded software on a real target system. iSYSTEM's open and integrated Debug and Test Software enables engineers to drive a Blue Box and the corresponding development.

iSYSTEM tools mainly do support safety and security application development. Thus, control software development in markets such as Automotive/Transportation, Railway, Avionics, and Medical where customers require high sophisticated functionality, test automation support, services and certification. Markets like Industrial, Telecom, and Consumer do benefit from this software configurable tool portfolio by adopting it easily to their actual needs.



The Embedded Software Tools Company

iSYSTEM specializes in embedded development and test tools, provides debugger and analyzer solutions for more than 50 CPU architectures and their derivatives (3000+ microcontrollers). The Windows and/or Eclipse based development environment is easy to learn and use. The flexible integration and application of iSYSTEM solutions within the entire development process is enabled by open and public interfaces (APIs).

iSYSTEM maintains long standing and close relationships with all major semiconductor, operating system and compiler companies worldwide. This guarantees quick tool availability and the highest level of integration.

iSYSTEM is a ISO9001:2008 certified company.

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