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Enea and PragmaDev announce Realtime Development Software Tool for OSE Epsilon

PragmaDev´s Real Time Developer Studio for OSE Epsilon makes it quick and easy for real-time developers to design, implement and debug

RTS Embedded Show in Paris, April 5, 2005 – Enea Embedded Technology and PragmaDev today announced the availability of Real Time Developer Studio (RTDS) for the OSE Epsilon real-time operating system. The Real Time Developer Studio includes a set of development tools based on SDL-RT (Specification and Description Language - Real Time), allowing graphical representation of traditional concepts used in real-time domains without leaving behind legacy code and years of experience.

"The integration of Enea Embedded Technology's real-time operating system OSE Epsilon within RTDS code generator provides an efficient seamless toolchain from graphical specification down to optimized generated code. This combination provides the best solution on the market for targets with a high-level of constraints in terms of memory or performance," says Emmanuel Gaudin, General Manager at PragmaDev.

Real Time Developer Studio can generate full application code out of SDL-RT design embedding OSE Epsilon system primitives. The connection between PragmaDev's Real Time Developer Studio and major cross-debuggers allows graphical debugging in the SDL-RT diagrams and at C level, as well as graphical traces based on MSC diagrams.

OSE Epsilon is the ideal RTOS for hard real-time memory constrained environments. It is one of the fastest RTOS available and provides high-level intuitive Message Based API in a memory footprint between 4 and 10 kbytes.

"OSE Epsilon has been designed with some SDL mechanisms in mind from the start. As a result of that, and unlike most of its competitors, OSE Epsilon uses Direct Message Passing for task communication and synchronization. This has a great impact when using a tool such as RTDS, based on SDL-RT, since the same send-receive concept will be used from the graphical model down to the implementation," says Anders Flodin, Director of Strategic Alliances at Enea Embedded Technology.

In addition, OSE Illuminator presents the real time trace in a Message Sequence Chart (MSC) format, keeping the consistency with RTDS tools from model to real execution on the hardware target.

More about PragmaDev

PragmaDev is a privately held company based in Paris, France, that provides a set of tools for the development and trace of real time and embedded software: Real Time Developer Studio and MSC Tracer based on UML, SDL, and SDL-RT graphical languages. Real Time Developer Studio technology was one of the winners of the 2001 edition of the national competition on innovative technologies organized by the French ministry of research.

For more information, please contact:

PragmaDev
Emmanuel Gaudin General Manager
PragmaDev
Telephone: +33 1 42 74 15 38
www.pragmadev.com

Enea Embedded Technology

Europe
Helene Wetterskog, Director of Marketing Communications
Enea Embedded Technology
Telephone: +46 8 50 71 41 91, mobile phone: +46 709 71 41 91
Email: helene.wetterskog@enea.se

Anders Flodin, Director of Strategic Alliances
Enea Embedded Technology
Telephone: +46 8 50 71 44 66, mobile phone: +46 709 71 44 66
Email: anders.flodin@enea.se

North America:
Danielle Schwartz
Enea Embedded Technology
Tempe, AZ 85284
Tel: 760-603-9315
Fax: 760-603-9305
Email: danielle@enea.com

Asia Pacific:
Masahiro Kawahara
Enea Embedded Technology
1-4-2 Kanda Ogawa-machi, Chiyoda-ku
Tokyo, Japan
Phone: +81 35 207 61 67
Fax: +81 35 207 61 69

More about Enea Embedded Technology
Enea Embedded Technology is a leading provider of real-time operating systems, development tools and services for fault-tolerant, high-availability and safety-critical applications. Enea's OSE real-time operating system is used in millions of products worldwide, including communications infrastructure, mobile phones, avionics systems, medical devices, automobiles, and industrial control systems. Enea Embedded Technology is a subsidiary of Enea AB (SAXESS: ENEA), based in Stockholm, Sweden. Employing about 500 people worldwide, Enea provides products, services, and training for a variety of real-time embedded applications. Customers include industry leaders such as Ericsson, Nokia, Boeing, Motorola, Alcatel, Volvo, TI, Agere Systems, Fujitsu and Hospira. For more information on Enea Embedded Technology, please visit www.ose.com. For more information on Enea AB please visit www.enea.com.

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