



## **Green Hills Software and I-Logix Strategic Partnership Agreement**

### **Fact Sheet**

#### **AGREEMENT**

Green Hills Software and I-Logix have signed a worldwide, non-exclusive reseller agreement which gives Green Hills Software the right to market and sell the I-Logix Rhapsody Model-Driven Development (MDD) environment in conjunction with Green Hills Software's MULTI development environment. The integrated solution benefits customers by providing a seamless environment, from requirements to deployment of a device. This cuts product design and development time through an optimized workflow while improving product quality.

Green Hills Software benefits from this agreement by gaining access to Rhapsody, the market leading model-driven development solution, and I-Logix benefits by gaining access to Green Hills Software's worldwide distribution channels.

Green Hills Software and I-Logix are jointly conducting worldwide hands-on workshops to educate embedded systems developers on the productivity and quality benefits of the integrated offering.

#### **THE MARKET**

The market for Model-Driven Development solutions is about \$500 Million with aerospace/defense, telecommunications and automotive representing the most significant segments.

#### **Aerospace & Defense**

Key benefits for this market are developer productivity, lower cost of quality, reuse of legacy applications, and improved communication between suppliers.

- Suppliers can now communicate with graphical models and adhere to Department of Defense requirements for systems and software modeling to be used on large defense contracts.
- For avionics systems, the FAA has adopted the DO-178B safety-critical standard, which Green Hills Software supports with its INTEGRITY-178B RTOS. I-Logix offers modeling, simulation, requirements traceability, automatic generation of code, documentation, and test scenarios, all of which contribute to meeting the requirements of safety-critical systems.
- The DoD requires the use of an architectural framework called DoDAF (Dept of Defense Architectural Framework). Rhapsody supports the modeling of DoDAF graphical views.

## **Automotive**

Key benefits in the automotive industry are lowering the cost of quality and development, reduced time to market, and improved communication between OEMs and suppliers through the use of graphical models rather than textual specifications and code.

Automotive companies are under significant pressure to deliver new products with much more sophisticated features. These features are typically based on complex software that runs on a growing number of embedded processors called Electronic Control Units (ECUs). With the combination of modeling, simulation, code generation and a powerful IDE, embedded developers can now cope with the growing complexity and ensure the level of quality demanded by consumers. With the ability to model and simulate behavior in a virtual environment, problems can be found much earlier in the development process and chances for recalls are reduced once products are on the market. Additionally, it enables the effective communication of complex specifications between OEMs and suppliers.

## **Telecommunications**

Key benefits in the telecom industry are developer productivity, time to market, lowering of project risk, and agility to respond to changing markets.

Telecom equipment manufacturers operate in a globally competitive marketplace with an ever compressing window of opportunity. The key value-add in telecom equipment continues to migrate to software with commoditization of the hardware. An integrated development environment covering the entire development process, from requirements to deployment, enables developers to quickly respond to changing requirements, increasing complexity, and decreasing product life cycles.

## **SOLUTIONS**

The combination of Rhapsody with Green Hills Software's development tools and royalty-free operating systems provides a tightly integrated end-to-end solution with the most complete design to deployment solution available today.

Green Hills Software redefines its MULTI IDE by incorporating Rhapsody, a UML 2.0-based MDD environment for designing, implementing and testing embedded applications. Rhapsody allows developers to work at a higher level of abstraction using graphical views. These models can then be simulated so that application behavior can be validated very early in the development process. This saves considerable time and cost, because errors can be found early in the design cycle. Code, documentation and test scenarios can be automatically generated from the UML model, saving significant time and greatly improving quality. The Rhapsody generated code is optimized for Green Hills Software's C/C++ and Ada compilers. In addition, the MULTI source-level debugger is completely synchronized with the Rhapsody UML models, allowing simultaneous debugging at both the model and source code levels. The generated code can also be dynamically downloaded and run on the INTEGRITY and *veOSity* RTOSes.

## **SERVICE AND SUPPORT**

Green Hills Software will provide first line support to its Rhapsody customers. I-Logix will provide second line support. I-Logix will provide training and consulting directly to Green Hills Software customers with Green Hills Software expanding its services in the future to offer this product training and consulting.

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