Ashling and Embecosm partnership provides "best-in-class" tools services to the RISC-V market

RISC-V SUMMIT, Santa Clara, CA – December 3, 2018. Ashling, a supplier of high-performance embedded software and hardware tools for the RISC-V market, today announced that it has partnered with Embecosm the leading supplier of RISC-V free and open source (F/OSS) Compiler Toolchains. Both companies are active members of the RISC-V foundation working closely on the evolution of RISC-V, with a particular emphasis on software development tools.

With the emergence of configurable processor cores such as RISC-V, it is now possible to build highly-customized devices (e.g. SoCs, ASICS, MCUs, FPGA-based Cores etc.) which are designed to meet specific application needs. However, off-the-shelf "generic" software development tools will not allow full utilization of the capabilities of these devices. To get the absolute best performance from the device requires a more elegant toolset tailored to take advantage of all the compelling unique features of the specific device (for example, toolset support for unique extensions to the RISC-V Instruction Set Architecture (ISA)).

The Ashling and Embecosm partnership allows rapid availability of a customized and optimized RISC-V toolset (RiscFree™) for RISC-V devices including an IDE, Graphical Debugger, Compiler Toolchain, Simulator, Hardware Debug and Trace Probes, Operating System and BSPs all of which can take advantage of the devices unique features including Custom Instruction Set Extensions, Co-processors, Custom Peripherals, Hardware Threading, Multiple Pipelines etc.

> "We are excited to have Embecosm as a partner, and its market-leading cross-compiler tool chain development team. We feel it is a natural extension to Ashling's RISC-V Tools as a Service (TaaS™) model", said Dr. Guy Rabbat, President and CEO of Ashling Systems Corporation.

Embecosm's market-leading expertise in Compiler Toolchains and related services is a natural complement for Ashling's RISC-V tools offerings.

> "We are happy to be working for Ashling to provide their RISC-V customers with a wider portfolio of services. Our combined strengths, drawing on Embecosm's track record in collaborative open source development, will create flexibility in the market with a wider range of delivery options to benefit the customer", commented Jeremy Bennett, CEO of Embecosm.

About Ashling
Ashling is a world-class technology partner offering integrated solutions, tools, and design services that are at the heart of the embedded environment. Through its close cooperation with

leading semiconductor vendors, Ashling has become a leader in the Embedded Software Development Tools market. Its solutions are used by engineers across a diverse range of applications from automotive and aerospace to healthcare and IoT. Ashling's HQ and R&D centre is in Limerick, Ireland. Ashling has sales and support representatives worldwide.
For more information on Ashling see: www.ashling.com and on our Tools as a Service (TaaS™) model see here: www.ashling.com/services-taas/

About Embecosm
Embecosm provides services developing free and open source (F/OSS) compilers for companies around the world ranging from architectures such as the smallest deeply embedded processors to the largest high-performance computer systems. Specialties include machine learning compilers, super-optimization, security enhanced compilers and compilers optimized to generate energy efficient code.
Visit www.embecosm.com

About RISC-V
RISC-V open architecture ISA is under the governance of the RISC-V Foundation.
Visit https://riscv.org for more details.

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