

Fujitsu's CGI Studio 2D/3D HMI Authoring Tool supports eSOL's eT-Kernel Real-Time OS



Tokyo, Japan; Linz, Austria. May 7, 2013 – eSOL, a leading developer of real-time embedded software solutions, today announced that Fujitsu CGI Studio, a set of hybrid 2D and 3D human machine interface (HMI) development tools created by Fujitsu Semiconductor Embedded Solutions Austria (FEAT), is now integrated with eSOL's eT-Kernel real-time OS.

CGI Studio GUI is used in many in-vehicle infotainment (IVI) and cluster based dashboard systems. The combination of CGI Studio and eT-Kernel/POSIX enables eT-Kernel users to implement proven 2D and 3D GUIs on their devices.

eSOL will demonstrate FEAT's CGI Studio on eT-Kernel at its booth, West 5-14, at the 16th Embedded Systems Expo, May 8-10 in Tokyo, Japan.

CGI Studio offers a rich set of 2D/3D graphical development tools for embedded systems, including tools for 2D / 3D composition and authoring, performance measuring and improving, state machine integration and testing, functional safety according to ASIL norms and a fully-fledged 2D / 3D rendering engine. It is designed to boost system

performance even under hardware resource and cost constraints, which are specific to embedded systems and more stringent than those placed on PCs and tablets.

CGI Studio's tool environment covers the gamut of GUI projects throughout a broad range of stages. They can be used to create and verify HMIs on host PC environments as well as to implement and adjust or analyze the GUI on the target embedded systems. CGI Studio supports OpenGL® ES2.0, which allows highly sophisticated graphical effect including reflections, shadows, warping, morphing, etc. However, it is easy to use, even for entry-level GUI - developers. CGI Studio has been used in many clusters and IVI systems worldwide, primarily in EU markets for premium OEMs.

Because of its fast real-time capability and high reliability, the eT-Kernel real-time OS is used worldwide in a variety of embedded systems, including automotive, industrial, aerospace, and consumer devices. The eT-Kernel consists of three scalable profiles to choose from depending on system size and purpose, including eT-Kernel/POSIX with high Linux compatibility. This eT-Kernel scalability accelerates the sharing of software assets on each eT-Kernel profile. It also ensures efficient software development of a related series or next-generation products.

The eT-Kernel comes with development tools, middleware components, and professional services in eSOL's integrated eT-Kernel Platform. The eT-Kernel Platform offers developers a choice of GUI middleware components including the Qt™ application and UI framework. Now CGI Studio's support has expanded the choice for eT-Kernel users and offers them even more graphical features. CGI Studio and the eT-Kernel Platform can

be used with Fujitsu Semiconductor's ARM-based Emerald series graphic controllers (MB86R1x).

"We believe the collaboration with eSOL, with their advanced technical skills and embedded experience, brings multiple benefits to the CGI Studio users," said Reinhard Füricht, Head of Business Development at Fujitsu Semiconductor Embedded Solutions Austria. "Consumers who are familiar with GUIs on smartphones and tablet PCs also expect responsive, sophisticated, and interactive GUIs in embedded systems. We know eT-Kernel can meet these needs with its fast real-time performance and high reliability. Together with eSOL, we now can bring those sophisticated 2D/3D GUIs for a variety of T-Kernel embedded systems."

"Our partnership with FEAT enables eT-Kernel users to utilize CGI Studio, which is even used in luxury class cars in the EU countries," said Hiroaki Kamikura, General Manager of the Embedded Products Division, eSOL. "Because CGI Studio is designed to meet resource and cost restrictions unique to embedded systems, it allows innovative GUI development for various embedded systems. With eSOL's expertise in real-time OS and embedded software development, we can work closely with Fujitsu to support GUI system software developers."

About eSOL

eSOL is a leading embedded software developer that enables customers to accelerate development of applications based on high-end embedded processors, including multi-core. eSOL's advanced, scalable, multi-profiled real-time operating systems are

tightly integrated with development tools and middleware components to create flexible development platforms used by OEMs and ODMs worldwide in competitive vertical markets such as automotive, consumer electronics, industrial and medical equipment, and aerospace. Founded in 1975, eSOL is based in Tokyo, Japan.

For more information, please visit <http://www.esol.com/>

About FEAT

Fujitsu Semiconductor Embedded Solutions Austria GmbH in Linz (FEAT) is a major HMI tool provider and development partner for worldwide automotive, industrial, and telecommunication customers. FEAT supports its customers with the CGI Studio tool environment as well as provision of software services mainly in the areas of HMI development and embedded software. FEAT's activities are driven by its close customer relationships and strong concentration on customers' needs.

For more information, please visit <http://www.cgistudio.at>