Solid Sands and SYSGO deepen partnership to help customers in safety-critical projects

Amsterdam and Klein-Winternheim – 21 June 2022 – Solid Sands, the European leading provider of compiler and library testing and validation from the Netherlands, and SYSGO, Europe's No 1 provider of real-time operating systems (RTOS) with mixed criticality for embedded applications, have announced further developments in their four-year partnership.

Since 2018, the two companies have been working closely together in various certification projects for automotive and railway applications with the need for compiler validation, code qualification and high safety certification requirements, such as ISO 26262 ASIL B or EN 50657 SIL 2. SYSGO's RTOS PikeOS is compliant with these safety standards and has also been deployed within various high critical communication infrastructures.

Solid Sands provides its SuperTest Compiler Test and Validation Suite as well as their SuperGuard C Library Safety Qualification Suite. SYSGO uses SuperTest for compiler and library validation in the PikeOS ecosystem. By starting early with the qualification process, the effort of certification is substantially reduced.

The customer benefits from SYSGO's extended capabilities on its supported and qualified GCC compiler for safety critical projects in combination with C/C++ standard libraries. Solid Sands' technologies play a key role in achieving standard-compliant certification and qualification with high efficiency. The partnership helps customers in safety critical systems to achieve the highest certification standards in Automotive ISO26262 ASIL B, Railway EN50128 or EN50657 level SIL 2, and the generic Functional Safety IEC61508 norm.

Marcel Beemster, Founder and CTO of Solid Sands, says: "We're excited about the latest enhancements of SYSGO's and Solid Sands' products. The ongoing collaboration ensures Solid Sands can provide the best qualification and test experience during test and validation period of a development cycle."

Sven Nordhoff from SYSGO adds: "It's great to see the long-standing partnership with Solid Sands growing, supported by the PikeOS C and C++ code capabilities and the compiler testing, validation and safety services."

Please visit Solid Sands at 2022 Embedded World from June 21st to 23rd in Nürnberg at booth #4-421 and SYSGO at booth #4-532.

<div align="center">– END –</div>

About SYSGO

SYSGO is the leading European manufacturer of embedded software solutions such as the real-time operating system and hypervisor PikeOS and the embedded industrial-grade Linux ELinOS. Since 1991, SYSGO has been supporting customers in the aerospace, automotive, railway and IIoT industries in the development of safety-critical applications. SYSGO was the first company worldwide to achieve a EN50128 SIL4 railway certification for its multi-core capable real-time operating system and hypervisor PikeOS®. PikeOS® version 4.2.4 Build S6120 meets the Common Criteria at EAL 3+ for ARMv7, ARMv8 and x86_64 and is also certified according to the strictest safety standards such as DO-178C, IEC 61508, EN 50128, EN 50657 and ISO 26262, thus enabling application development according to the "Safe & Secure by Design" principle. For industrial embedded systems, SYSGO also offers ELinOS, a Linux distribution with real-time extensions for embedded systems. Furthermore, solutions such as the railway development platform (SAFe-VX) and the Secure Automotive Connectivity Platform (SACoP) for secure data transfer in, with and between automobiles are available.

SYSGO works closely with its customers such as Samsung, Airbus, Thales, Continental, etc., throughout the entire product life cycle and supports them in the formal certification of software according to international standards for functional and IT security. SYSGO is headquartered in Klein-Winternheim near Frankfurt, has subsidiaries in France and the Czech Republic and maintains a worldwide sales network. The company is ISO 9001:2015 and ISO27001:2017 certified and part of the European Thales Group.

For further information visit https://www.sysgo.com/

About Solid Sands

Founded in 2014, Solid Sands is the one-stop shop for C and C++ compiler and library testing, validation and safety services. Solid Sands offers extensive test and validation suites with a unique level of compiler and library test coverage, enabling customers to achieve the software tool quality level demanded by ISO standards. The company's name combines sand – the world's most abundant source of silicon – with the solidity and security expected of sector-leading testing and validation technologies. More information on the company's products and services is available at www.solidsands.nl. You can follow Solid Sands on LinkedIn, Twitter and YouTube.

Media Contact:
Solid Sands B.V.
Marianne Damstra
marianne@solidsands.nl