

## **Solid Sands strengthens partnership with Validas to accelerate compiler qualification for safety-critical software**

**Amsterdam/Munich, 03 April 2025** – Solid Sands, the world-leading provider of verification and qualification technology for C and C++ compilers and libraries, has strengthened its partnership with Validas, a leading expert in tool classification and qualification. The enhanced collaboration will support Validas to deliver compiler qualification services with faster, more efficient results for safety-critical software development.

Validas supports customers by analyzing their development tools and providing systematic and automated validation. To satisfy growing demand, the company is strengthening its partnership with Solid Sands to offer continuous compiler qualification, ensuring compliance with industry safety standards.

As part of the refreshed agreement, Solid Sands will grant Validas a license to use its SuperTest product enabling Validas to respond to changing market requirements more rapidly than was previously possible. Compilers will be qualified with Solid Sands' SuperTest, a proven test and validation suite designed for C and C++ compilers. Validas will use SuperTest in conjunction with their proven and certified tool qualification process.

SuperTest, which has been tracking ISO language specifications for over 40 years, is widely used in safety-critical industries such as automotive, rail, robotics and aerospace. The test suite helps system integrators and application developers achieve the necessary confidence levels for their compilers by providing high compiler code coverage and by validating against ISO language standards.

By partnering with Solid Sands, Validas can now provide faster and more efficient services to the automotive industry. With the additional support of the unique SuperTest product, Validas ensures that compilers are qualified for use in safety-critical environments.

Marcel Beemster, CTO at Solid Sands, commented: “By collaborating closely with Validas, we can combine their expertise with our widely respected SuperTest, and together provide a comprehensive continuous compiler qualification service for end users who are tasked with the development of safety-critical software.”

Validas CTO Dr Peter Braun added: “Our partnership with Solid Sands was already robust and we both have countless satisfied end-users around the world; this enhanced collaboration now means we can go so much further and much faster. With our tool qualification process certified by TÜV, users are already confident that its usage in their project is qualified and, if necessary, can be certified. Through this agreement with Solid Sands, our customers can now also be assured that compilers will be qualified for use in safety-critical environments via the unrivaled SuperTest product.”

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### **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](http://www.solidsands.nl). You can follow Solid Sands on LinkedIn, Twitter and YouTube.

#### **About Validas**

Founded in 2000, Validas AG offers world-leading tool classification and qualification services and products. The Validas approach guarantees that your tools not only meet but also exceed industry standards and can receive certification. Validas supports you with the classification and qualification of tools and tool chains so that you can use tools safely. Validas provides the Tool Chain Analyzer (TCA) to create models of tools and tool chains, to generate all required documents, and to build tool qualification kits. The TCA automatically determines the tool classification according to ISO 26262 (Tool Confidence Level), IEC 61508 (Tool Classes), or DO-330 (Tool Qualification Level) based on the modeled features, risks and mitigations. More information on the company's products and services is available at [www.validas.de](http://www.validas.de) and, on LinkedIn and in our Podcast <https://validas.de/podcast/>.

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