ANSYS SCADE Receives ISO 26262 Qualification

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PITTSBURGH, Jan. 8, 2015 /PRNewswire/ -- Engineers can drastically reduce development costs and be confident that their automotive embedded software applications generated using ANSYS® SCADE® will meet stringent safety standards with the ANSYS (NASDAQ: ANSS) ISO 26262-qualified code generator.

As automobile electronics – including dashboards and head-up displays – become more prevalent and sophisticated, ensuring the reliability of the embedded software code within those systems becomes safety critical. To help engineers meet new industry and regulatory standards, TUV SUD Rail GmbH has assessed that the code generators in ANSYS SCADE Suite KCG 6.4 and ANSYS SCADE Display KCG 6.4.3 are suitable for developing ISO 26262 compliant applications up to ASIL D – the highest safety requirement for automotive applications.

The ISO 26262 standard defines functional safety for automotive equipment applicable throughout the lifecycle of all automotive electronic and electrical safety-related systems. TUV SUD is a leading global testing and inspection organization with more than 13,000 certified experts providing consulting, testing, certification and training services at more than 600 locations in Europe and the United States.

"We are pleased that the latest versions of SCADE Suite KCG and SCADE Display KCG have received an additional certification, expanding our depth into the automotive industry, as we continue to invest in supporting safety standards and tool qualification," said Eric Bantegnie, ANSYS vice president for systems. "This TUV SUD certification reinforces the quality and reliability of our model-based SCADE Suite and SCADE Display solutions and their respective code generators for automotive customers."

SCADE Suite, a model-based tool suite for the development for control software, and SCADE Display, a model-based flexible tool suite for the development of Human Machine Interfaces, were designed in close cooperation with certification authorities at the European Aviation Safety Agency, the U.S. Federal Aviation Administration and TUV SUD. The solutions are part of an overall Model-Based Engineering solution from ANSYS, in which modeling and simulation are used throughout the product development lifecycle and as the authoritative definition and verification of a product design. SCADE and the overall ANSYS portfolio accelerate development schedules and reduce late-stage integration failures by enabling engineering teams to systemically decompose product requirements into architectural designs and eventually detailed designs across all engineering disciplines.

About ANSYS, Inc.

ANSYS brings clarity and insight to customers' most complex design challenges through fast, accurate and reliable engineering simulation. Our technology enables organizations -- no matter their industry -- to predict with confidence that their products will thrive in the real world. Customers trust our software to help ensure product integrity and drive business success through innovation. Founded in 1970, ANSYS employs over 2700 professionals, many of them expert in engineering fields such as finite element analysis, computational fluid dynamics, electronics and electromagnetics, embedded software, system simulation and design optimization. Headquartered south of Pittsburgh, U.S.A., ANSYS has more than 75 strategic sales locations throughout the world with a network of channel partners in 40+ countries. Visit www.ansys.com for more information.

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ContactMedia
Tom Smithyman
724.820.4340
tom.smithyman@ansys.com

Investors
Annette Arribas, CTP
724.820.3700
annette.arribas@ansys.com

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