



Flowserve and ANSYS First in Market To Leverage The Innovation Of Digital Twins to Deliver New Levels Of Efficiency, Reliability And Reduced Risk

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PITTSBURGH, Aug. 17, 2016 /PRNewswire/ -- [ANSYS](#) (NASDAQ: ANSS), the global industry leader in engineering simulation software, announced today that [Flowserve](#), a leading provider of flow control products and services for the global infrastructure markets, signed an enterprise license agreement providing broad access to the ANSYS® portfolio and technology specialists. By combining the power of ANSYS simulation technology with the Internet of Things (IoT) capabilities, Flowserve is one of the first companies to harness the power of digital twins – complete system virtual physical prototypes – to better serve its customers through improved product quality and performance, enhanced development productivity, optimized maintenance and reduced overall costs and risks associated with unplanned downtime.

image

By tapping into ANSYS' industry-leading portfolio of engineering simulation software, Flowserve can now use the digital twin to analyze real-time operational data to provide better insight and faster decision making while maximizing machine efficiency. Flowserve will also be able to analyze the performance of products in real-world operating conditions, make informed predictions about future performance and reduce the cost and risk of unplanned downtime.

Flowserve is pushing the boundaries of simulation beyond the product development phase by utilizing digital twins in a live operating environment. Earlier this year, Flowserve demonstrated the use of the digital twins with one of its flow control systems at the Internet of Things event, [LiveWorx](#). As a leader in developing and manufacturing advanced pumps, valves and seals servicing the oil and gas, energy and process industries, Flowserve is expanding its use of ANSYS solutions to quickly optimize and verify product designs, shorten development cycles and create innovative world-class products.

"Our customers expect Flowserve to bring value added products and services to their business. This strategic agreement better positions Flowserve to continue delivering offerings that enable our customers to operate more efficiently and effectively," said Keith Gillespie, chief strategy officer, Flowserve. "We expect our utilization of IoT technology and ANSYS simulation capabilities to increase the value we provide when our customers need advanced flow solutions."

"IoT is changing the way companies approach the entire product lifecycle from development, testing and manufacturing to operations and maintenance," said Eric Bantegnie, vice president of systems business unit, ANSYS. "Flowserve is extending its industry leadership position using simulation-driven product development and creating additional value for its customers across the full product lifecycle by bringing together the industrial internet and ANSYS' best-in-class engineering simulation software."

About Flowserve: Flowserve Corp. is one of the world's leading providers of fluid motion and control products and services. Operating in more than 50 countries, the company produces engineered and industrial pumps, seals and valves as well as a range of related flow management services. More information about Flowserve can be obtained by visiting the company's Web site at www.flowserve.com.

About ANSYS, Inc.

ANSYS is the global leader in engineering simulation. We bring clarity and insight to our customers most complex design challenges through the broadest portfolio of fast, accurate and reliable simulation tools. Our technology enables organizations in all industries to imagine high-quality, innovative product designs that are sustainable and have an accelerated time to market. Founded in 1970, ANSYS employs almost 3000 professionals, more than 700 of them with PhDs 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 and development locations throughout the world with a network of channel partners in 40+ countries. Visit www.ansys.com for more information.

ANSYS also has a strong presence on the major social channels. To join the simulation conversation, please visit: www.ansys.com/Social@ANSYS

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