



ANSYS Twin Builder Empowers Organizations to Optimize Product Operations and Accelerate Product Development

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PITTSBURGH, Feb. 12, 2019 /PRNewswire/ -- [ANSYS](#) (NASDAQ: ANSS) is enabling product developers to potentially save millions of dollars in warranty and operational costs with the latest release of [ANSYS® Twin Builder™](#). The comprehensive solution empowers users to provide seamless preventive maintenance for operational field assets while enabling the creation of new business models and accelerating next generation product development.

ANSYS_Inc_Twin_Builder

ANSYS Twin Builder enables equipment operators to create a virtual representation – a digital twin – of machines that helps monitor performance and maintenance requirements, improving the machine's sustainability and efficiency. At [ANSYS 2019 R1](#), ANSYS Twin Builder supports digital twin runtime generation capabilities and model export for industrial internet of things platforms. The update empowers users to unlock actionable insights from field asset data through the use of physics and simulation-based analytics.

The new release of Twin Builder also enables users to more easily reuse existing 3D simulation models through reduced order modeling capabilities — preserving the accuracy of simulations while reducing storage requirements and enhancing simulation speed by up to 100x. Users can quickly modify digital twin models of deployed assets and mirror altered or upgraded field equipment, such as pumps, motors and turbines, to better perform predictive maintenance.

"ANSYS Twin Builder and other ANSYS products perform circuit quality pre-verification and electromagnetic interference simulations of our home appliances' power electronics, electrical motors and controllers," said Gwigeun Park, research fellow, LG Home Appliance & Air Solution Company. "With the help of Twin Builder, we're developing innovative products by implementing digital twins to create virtual prototypes at the component level and share IoT information among products — supporting research to boost product reliability, reduce the time to market, decrease the need for physical testing and improve product development."

"Digital twins are expected to unlock significant value for organizations by increasing operational efficiency, empowering new and more profitable business models and enabling early adopters to leapfrog competition," said Sameer Kher, Director, Product Development, Systems and Digital Twins, ANSYS. "ANSYS Twin Builder enables users to quickly build, validate and deploy simulation-based digital twins—improving both top and bottom-line operations."

About ANSYS, Inc.

If you've ever seen a rocket launch, flown on an airplane, driven a car, used a computer, touched a mobile device, crossed a bridge or put on wearable technology, chances are you've used a product where ANSYS software played a critical role in its creation. ANSYS is the global leader in engineering simulation. Through our strategy of Pervasive Engineering Simulation, we help the world's most innovative companies deliver radically better products to their customers. By offering the best and broadest portfolio of engineering simulation software, we help them solve the most complex design challenges and create products limited only by imagination. Founded in 1970, ANSYS is headquartered south of Pittsburgh, Pennsylvania, U.S.A., Visit www.ansys.com for more information.

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