3D Systems Chooses ThingWorx Platform from PTC to Enable Smart, Connected 3D Printers

ThingWorx IoT Platform to Monitor 3D Printers for Remote Service and Maintenance; LiveWorx Event to Feature Several Demonstrations of Technology

NEEDHAM, Mass. – May 22, 2017 — PTC (NASDAQ: PTC) and 3D Systems Corporation (NYSE: DDD) today announced that 3D Systems has selected and plans to embed the ThingWorx® Platform from PTC into its 3D printers, enabling intelligent monitoring and remote service and maintenance.

3D Systems provides a comprehensive portfolio of solutions and services for digital design and manufacturing, including both plastic and metal 3D printers. As part of a focused plan to make 3D production real, the company is enhancing its ecosystem of software and hardware to meet production customer needs for end-to-end manufacturing workflows.

3D Systems plans to enable its 3D printers with the ThingWorx Platform and remote services, designed to maximize printer availability and productivity. The planned solution will give customers the ability to create real time dashboards to monitor their printers, providing valuable insight and actionable intelligence into the printers' utilization and materials status. The integration will also provide 3D Systems with visibility into the service requirements of the printers, enabling the company to remotely diagnose and, in some cases, remotely service the printer, enabling faster repairs and further gains in overall machine productivity.

"We believe the capabilities enabled through ThingWorx technology can help us deliver the machine uptime required in production environments," said Carol Zampell, vice president, software, 3D Systems. "This will enable our customers to gain a distinct business advantage through improved resource utilization, business insight, and overall gains in productivity."

3D Systems previously announced the integration of its 3D Sprint™ SDK with Creo® design software from PTC to enable seamless CAD-to-print functionality, as well as a full set of print management tools.

"PTC has a long-standing relationship with 3D Systems, and we are excited to continue expanding the collaborative and innovative work by enabling their printers to be smart, connected products," said Mike Campbell, executive vice president, ThingWorx Platform, PTC. "We support their vision to the business value and opportunity that exists in 3D printing as an industry, and the power the IoT can have in driving that further."

During this week's LiveWorx technology conference and marketplace, attendees can experience the combined capabilities of 3D Systems and PTC technology. The event, which showcases solutions engineered for a smart, connected world, will take place in Boston from May 22-25. Register to attend or watch the live steam at www.liveworx.com.

Additional Resources
- [ThingWorx Internet of Things Platform](#)
- Harvard Business Review: ["How Smart, Connected Products are Transforming Companies,"](#) authors PTC CEO Jim Heppelmann and Harvard Professor Michael Porter

Forward-Looking Statements
Certain statements made in this release that are not statements of historical or current facts are forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements involve known and unknown risks, uncertainties and other factors that may cause the actual results, performance or achievements of the company to be materially different from historical results or from any future results or projections expressed or implied by such forward-looking statements. In many cases, forward looking statements can be identified by terms such as "believes," "belief," "expects," "may," "will," "estimates," "intends," "anticipates" or "plans" or the negative of these terms or other comparable terminology. Forward-looking statements are based upon management's beliefs, assumptions and current expectations and may include comments as to the respective company's beliefs and expectations as to future events and trends affecting its business and are necessarily subject to uncertainties, many of which are outside the control of the respective company. The factors described under the headings "Forward-Looking Statements" and "Risk Factors" in the respective company's periodic filings with the Securities and Exchange Commission, as well as other factors, could cause actual results to differ materially from those reflected or predicted in forward-looking statements. Although management believes that the expectations reflected in the forward-looking statements are reasonable, forward-looking statements are not, and should not be relied upon as a guarantee of future performance or results, nor will they necessarily prove to be accurate indications of the times at which such performance or results will be achieved. The forward-looking statements included are made only as the date of the statement. Neither 3D Systems or PTC undertakes an obligation to update or review any forward-looking statements made by management or on its behalf, whether as a result of future developments, subsequent events or circumstances or otherwise.

About 3D Systems
3D Systems provides comprehensive 3D products and services, including 3D printers, print materials, on-demand manufacturing services and digital design tools. Its ecosystem supports advanced applications from the product design shop to the factory floor to the operating room. 3D Systems' precision healthcare capabilities include simulation, Virtual Surgical Planning, and printing of medical and dental devices as well as patient-specific surgical instruments. As the originator of 3D printing and a shaper of future 3D solutions, 3D Systems has spent its 30 year history enabling professionals and companies to optimize their designs, transform their workflows, bring innovative products to market and drive new business models.

About PTC (NASDAQ: PTC)
PTC has the most robust Internet of Things technology in the world. In 1986 we revolutionized digital 3D design, and in 1998 were first to market with Internet-based PLM. Now our leading IoT and AR platform and field-proven solutions bring together the physical and digital worlds to reinvent the way you create, operate, and service products. With PTC, global manufacturers and an ecosystem of partners and developers can capitalize on the promise of the IoT today and drive the future of innovation.

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