

News Release

3D Systems Corporation
333 Three D Systems Circle
Rock Hill, SC 29730
www.3dsystems.com
NYSE: DDD

Investor Contact: Stacey Witten
Email: investor.relations@3dsystems.com
Media Contact: Nicole York
Email: press@3dsystems.com

3D Systems Expands Production Workflow Solutions with Nokia, rms Company and GF Precicast

- New production workflows deliver on four customer imperatives: productivity, durability, repeatability and total cost of operation
- 3D Systems' plastic and metal additive manufacturing solutions optimize production environments – from prototyping through production

ROCK HILL, South Carolina – April 1, 2019 - [3D Systems](#) (NYSE: DDD) announced today three global manufacturing leaders – Nokia, rms Company, and GF Precicast – have integrated its additive manufacturing solutions to transform their production workflows. Through the integration of 3D Systems' Figure 4™ or DMP platforms, these manufacturers are able to achieve design freedom, increase agility, scale production, and improve overall total cost of operations.

From Telecom to Industrial Gas Turbines, Applications Continue to Expand

- Nokia - a global leader in telecommunications, information technology, and consumer electronics - has added 3D Systems' [Figure 4 Standalone](#) to its "Factory in a Box" mobile manufacturing solution – demonstrating how manufacturers can stay ahead of the demands of industry 4.0.
- rms Company – a trusted supplier to top medical device manufacturers throughout the world - has expanded the use of 3D Systems' DMP platforms to apply metal additive manufacturing to new applications in order to meet customer requirements and generate new revenue opportunities.

- GF Precicast - an advanced technology provider for the global aerospace and industrial gas turbine (IGT) markets, has integrated 3D Systems' metal additive manufacturing platform as an efficient, cost-effective alternative to investment casting of super alloys.

"3D Systems is expanding its production workflow solutions use case by use case, through our collaboration with global manufacturers," said Vyomesh Joshi, president and chief executive officer, 3D Systems. "Our unique ability to apply software, hardware, materials and services, specifically tuned for key verticals such as medical device design and manufacturing, aerospace and defense, and consumer goods is helping our customers achieve greater productivity, durability, and repeatability and lower their total cost of operation."

Figure 4 Standalone Helps Nokia Address Changing Conscious Manufacturing

In 2018, Nokia partnered with several advanced technology providers to unveil the first-ever "factory in a box" concept. The intent was to demonstrate how manufacturers can stay ahead of the demands of Industry 4.0 through agile production capabilities that can be packed, transported and brought back into service in a matter of hours. At Hannover Messe 2019, opening today in Hannover, Germany, 3D Systems is proud to showcase its Figure 4 Standalone plastic 3D printer as the newest technology to be integrated in Nokia's "factory in a box." The integration of additive manufacturing alongside augmented reality/virtual reality (AR/VR) and robotics, all powered by Nokia private 4G / 5G connectivity, results in a semi-automated production workflow.

"After the positive feedback we received for our factory in a box concept last year, it was important to reach a new level with version 2.0," said Grant Marshall, VP supply network & engineering, Nokia. "We did so in terms of connectivity, because factory in a box 2.0 is integrated into the Nokia Worldwide IoT Network Grid and has Nokia Digital Automation Cloud on board. But we also wanted to add new and advanced technology like 3D printing. 3D Systems' Figure 4 Standalone was an obvious choice because of its high throughput and six sigma repeatability. These capabilities are exactly what we want to showcase as part of our conscious manufacturing solution where speed, accuracy, and durability are critical."

Scaling Metal Additive Manufacturing with 3D Systems' DMP Platform

rms Company (Minneapolis, Minnesota) is a large contract manufacturer to the medical device industry. While the company's core competency has historically revolved around precision machining and ancillary services, three years ago rms purchased its first 3D Systems ProX® DMP

320 metal 3D printer. Since then, rms has acquired 11 more ProX DMP 320 printers with two [DMP Flex 350](#) printers on order.

“We made the decision to integrate metal additive manufacturing into our service offering,” said Lee Zachman, president, rms Company. “Our customers require products that can only be manufactured with additive technology, and we’ve made the investments necessary to support them. 3D Systems’ application engineers collaborated with us to design and optimize workflows and ensure a smooth integration of the equipment. As a result, we’ve been able to increase capacity through new applications and generate new sources of income. We see continued growth in the metals additive space and are committed to this technology.”

GF Precicast (Novazzano, Switzerland) an advanced technology provider for the global aerospace and industrial gas turbine markets, uses metal additive manufacturing – specifically 3D Systems’ [DMP Factory 500](#) and [DMP Factory 350](#) - as an efficient, cost-effective alternative to investment casting of super alloys.

“GF Precicast was an early adopter of the DMP Factory 500,” said Paolo Gennaro, managing director, GF Precicast Additive SA. “We’ve seen great success incorporating this system into our production workflow to produce structural components. We’re in the process of certifying these components produced with additive technology, using super alloys that are able to improve performance while reducing costs.”

3D Systems’ Solutions at AMUG 2019 and Hannover Messe 2019

3D Systems is showcasing its portfolio of end-to-end additive manufacturing solutions this week at both the Additive Manufacturing User Group (AMUG) 2019 (March 31 – April 4, Chicago, Illinois, booth D16) as well as Hannover Messe 2019 (April 1 – 5, Hannover, Germany, hall 6, booth K01).

At AMUG, attendees will have the opportunity to hear first-hand from rms Company and GF Precicast about how they are scaling their businesses with 3D Systems’ metal additive manufacturing solutions. Additionally, 3D Systems’ President and CEO, Vyomesh Joshi will lead a session with Chuck Hull, 3D Systems’ co-founder and CTO, about how AM is transforming manufacturing. The company’s application and product development engineers will also lead several sessions in the Training Lab, sharing their expertise on high quality, silicone

part production through eggshell casting, discuss effective quality analysis for metal additive manufacturing, and demonstrate how to optimize metal additive manufacturing for serial production of large parts.

At Hannover Messe 2019, attendees will have the opportunity to view 3D Systems' portfolio of solutions and talk with the company's experts in hall 6, booth K01. Attendees can also visit the Nokia booth (hall 6, booth H10) to see Figure 4 Standalone in Nokia's "factory in a box." For more information please visit [the company's website](#).

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 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 company. The factors described under the headings "Forward-Looking Statements" and "Risk Factors" in the 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. 3D Systems undertakes no 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

More than 30 years ago, 3D Systems brought the innovation of 3D printing to the manufacturing industry. Today, as the leading additive manufacturing solutions company, it empowers manufacturers to create products and business models never before possible through transformed workflows. This is achieved with the Company's best-of-breed digital manufacturing ecosystem - comprised of plastic and metal 3D printers, print materials, on demand manufacturing services and a portfolio of end-to-end manufacturing software. Each solution is powered by the expertise of the company's application engineers who collaborate with customers to transform manufacturing environments. 3D Systems' solutions address a variety of advanced applications for prototyping through production in markets such as aerospace, automotive, medical, dental and consumer goods. More information on the company is available at www.3dsystems.com.

#