

## HP and Siemens Deepen Additive Manufacturing Alliance to Advance Digital Manufacturing

- **HP's new Jet Fusion 5200 Series industrial 3D printing system integrated with Siemens' Digital Enterprise offering**
- **Combination of Digital Twins for product, production, and performance with MindSphere to enable mid-volume serial plastic parts production**
- **Companies collaborate to help auto and industrial customers create high-quality 3D printed parts faster; enabling unique product designs, new applications, and digital factories**
- **Siemens expands Additive Manufacturing Experience Center with new Polymer Competency Center to develop and demonstrate new applications suitable for industrial-scale 3D printing**

HP and Siemens today announced an expansion of their strategic alliance to help customers transform their businesses with industrial additive manufacturing (AM). Siemens, an innovation leader in automation and digitalization, and HP, the leader in industrial 3D printing, will expand their integrated additive manufacturing solution, incorporating new systems and software innovations including overall product lifecycle management (PLM), AM factory optimization, industrial 3D printing and data intelligence, manufacturing execution, and performance analytics. The integration of HP's new Jet Fusion 5200 Series 3D printing solution with Siemens' Digital Enterprise offerings enables industrial companies to bring

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3D printed parts to market faster, more cost-effectively, more sustainably, and at higher volumes than ever before. The companies announced the expanded alliance at an event to celebrate the addition of a new Polymer Competency Center to the Siemens Additive Manufacturing Experience Center (AMEC) in Erlangen, Germany, where HP also unveiled its new industrial-performance HP Jet Fusion 5200 Series 3D printing solution.

“We are excited to expand our collaboration with HP. Innovative partnerships and cutting-edge technologies such as additive manufacturing are essential for the digital transformation of companies across industries. Siemens and HP are thinking ahead to the future and are bringing together the best from both companies in a complete, industry-specific solution that will accelerate the adoption of industrial additive manufacturing and help our customers to increase flexibility, efficiency, and speed of digital manufacturing,” said Klaus Helmrich, Member of the Managing Board of Siemens AG and CEO of Digital Industries.

“We are proud to partner with Siemens to make high-performance parts, personalized products, and serialized 3D production a reality for our customers,” said Christoph Schell, President of 3D Printing and Digital Manufacturing and member of the Executive Leadership Team at HP Inc. “HP and Siemens share the vision that digital manufacturing systems are catalysts for change – expanded software, data, services, and industrial production solutions that lead to new manufacturing capabilities, innovative applications, and breakthrough business results for our customers.”

The expanded additive manufacturing solution from Siemens and HP integrates hardware, software, data intelligence, and services to optimize the efficiency of the entire manufacturing process, from design and simulation through production planning, execution, quality, and control. This integrated, closed-loop

environment, backed by the industry's leading forces, streamlines every phase of designing and 3D printing serialized parts – with greater scale, higher quality, and less waste.

“As a provider of solutions and services we want to team up with strong partners that have the necessary expertise in materials and the manufacturing process to support them to produce 3D printing systems ,” explained Klaus Helmrich.

The solution combines HP's 3D printing and 3D data platform, including its new HP Jet Fusion 5200 system, with Siemens Digital Industries Software including Siemens NX CAD/CAE, NX AM for HP Multi Jet Fusion software module with direct printer interface, undergoing certification by HP for its Jet Fusion 5200 Series to be available later this year, as well as Teamcenter for PLM, Tecnomatix Plant Simulation, Simatic IT for manufacturing execution, and MindSphere for performance analytics and Industrial IoT. HP and Siemens will continue to align future technology roadmaps to ensure customers can capitalize on the ongoing digital manufacturing innovations from both companies.

“HP and Siemens are building on a vision first established in 2016. Today, thanks to advances in HP's 3D printing systems and data intelligence portfolio and Siemens AM offerings, the integrated end-to-end solution has reached a level of efficiency that enables industries to viably 3D print high-quality parts at volume production,” continued HP's Christoph Schell.

The cooperation is coupled with the new Siemens Polymer Competency Center, which will be the focal point for the two companies to work jointly with automotive and industrial customers to create unique product designs, bring 3D printed parts to market faster, and set up digital factory environments that unleash the full potential of additive manufacturing.

“Volkswagen is a partner of both HP and Siemens and we are excited to see these market leaders join forces to unlock the power of industrial additive manufacturing. As one of the world’s largest auto groups, we see enormous opportunities for digital manufacturing technologies to speed our innovation cycle, bring new products to market faster, and improve our manufacturing efficiency and sustainability. We look forward to collaborating with HP and Siemens to explore more 3D printed applications that help us deliver even greater experiences for our customers,” said Martin Goede, Head of Technology Planning and Development at Volkswagen.

HP, Siemens, and their customers will initially explore exciting new applications in areas such as personalization, fluid dynamics optimization, and energy absorption, to name a few.

You can find this press release at [www.siemens.com/press/PR2019050259COEN](http://www.siemens.com/press/PR2019050259COEN)

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Joint Press Release  
**by Siemens and HP**

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**Siemens Digital Industries** (DI) is an innovation leader in automation and digitalization. Closely collaborating with partners and customers, DI drives the digital transformation in the process and discrete industries. With its Digital Enterprise portfolio, DI provides companies of all sizes with an end-to-end set of products, solutions and services to integrate and digitalize the entire value chain. Optimized for the specific needs of each industry, DI's unique portfolio supports customers to achieve greater productivity and flexibility. DI is constantly adding innovations to its portfolio to integrate cutting-edge future technologies. Siemens Digital Industries has its global headquarters in Nuremberg, Germany, and has around 75,000 employees internationally.

**Siemens AG** (Berlin and Munich) is a global technology powerhouse that has stood for engineering excellence, innovation, quality, reliability and internationality for more than 170 years. The company is active around the globe, focusing on the areas of power generation and distribution, intelligent infrastructure for buildings and distributed energy systems, and automation and digitalization in the process and manufacturing industries. Through the separately managed company Siemens Mobility, a leading supplier of smart mobility solutions for rail and road transport, Siemens is shaping the world market for passenger and freight services. Due to its majority stakes in the publicly listed companies Siemens Healthineers AG and Siemens Gamesa Renewable Energy, Siemens is also a world-leading supplier of medical technology and digital healthcare services as well as environmentally friendly solutions for onshore and offshore wind power generation. In fiscal 2018, which ended on September 30, 2018, Siemens generated revenue of €3.0 billion and net income of €6.1 billion. At the end of September 2018, the company had around 379,000 employees worldwide. Further information is available on the Internet at [www.siemens.com](http://www.siemens.com).

**About HP**

HP Inc. creates technology that makes life better for everyone, everywhere. Through our portfolio of personal systems, printers, and 3D printing solutions, we engineer experiences that amaze. More information about HP Inc. is available at <http://www.hp.com/go/3Dprinting>.

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