



## Media Release

### Pivotal Systems Signs MOU With Forge Nano

**Fremont, California and Sydney, Australia; 29 October 2021** – Pivotal Systems Corporation (“Pivotal” or the “Company”) (ASX: PVS), a leading provider of innovative gas flow control (GFC) solutions to the semiconductor industry, today announced the signing of a non-binding Memorandum of Understanding (MOU) with Forge Nano, a company whose breakthrough Atomic Layer Deposition (ALD) technology is revolutionizing materials design and creating a paradigm shift for numerous applications, including lithium-ion battery component manufacturing.

The MOU outlines the framework for a joint technology development agreement (JDA) whereby Pivotal and Forge Nano will explore implementation of Pivotal’s advanced flow control systems into Forge Nano’s powder ALD systems for lithium-ion battery manufacturing. As outlined in the MOU, Pivotal has provided gas flow controllers to Forge Nano for research and testing purposes, as the initial phase of a significant commercial relationship. The parties’ initial view is that Pivotal’s advanced gas flow controllers have the potential to provide significant performance improvements and fine control of sensitive processes to Forge Nano’s devices.

“Pivotal is enthusiastic about our new collaboration with Forge Nano to develop and refine their powder ALD tools, which are already superior to commercially available alternatives. Given our deep technical experience with ALD in semi as well as the recent addition to our Board of Advisors of world-renowned ALD expert Professor Stacey Bent, Pivotal is a natural partner for Forge Nano. Forge Nano is pioneering the application of powder ALD for high-performance next-generation lithium-ion battery materials and opening an entirely new and massive potential market for Pivotal GFCs,” said John Hoffman, Chairman and CEO of Pivotal Systems. “Our technology can enable far higher precision and reproducibility for advanced gas flow control than alternatives. We - and Forge Nano - believe Pivotal can unlock additional value from Forge Nano’s devices.”

Paul Lichy, CEO of Forge Nano, added, “Forge Nano is a global leader in powder ALD and surface engineering. After 10 years of innovation in the development of lithium-ion batteries, we are positioned to disrupt the battery market by producing very high performance materials economically and at massive scale. In such a competitive environment, we are constantly focused on improving our tools with the most sophisticated and highest performing components possible. Our fluidized bed reactors rely on gas flow as a fundamental component of ALD, and we have identified that Pivotal’s devices have the potential to enable significant competitive advantages. We invited Pivotal’s CTO Joe Monkowski to visit us onsite and evaluate our gas flow system. We were very impressed with Joe and with Pivotal’s capabilities, and we are enthusiastic about pushing this partnership forward.”

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**About Pivotal Systems Corporation (ASX: PVS)**

Pivotal Systems Corporation (ARBN 626 346 325), is a company incorporated in Delaware, USA, whose stockholders have limited liability. Pivotal Systems provides the best-in-class gas flow monitoring and control technology platform for the global semiconductor industry. The Company's proprietary hardware and software utilizes advanced machine learning to enable preventative diagnostic capability resulting in an order of magnitude increase in fab productivity and capital efficiency for existing and future technology nodes. For more information on Pivotal Systems Corporation, visit <https://www.pivotalsys.com/>.

**About Forge Nano**

Based outside of Denver, CO., Forge Nano is a global leader in surface engineering and precision nano-coating technology, using Atomic Layer Deposition. Forge Nano's proprietary technology and manufacturing processes make angstrom-thick coatings fast, affordable and commercially viable for a wide range of materials, applications and industries. Forge Nano's suite of ALD and PALD products and services covers the full spectrum from lab-scale tools to commercial-scale manufacturing systems. For more information visit [www.ForgeNano.com](http://www.ForgeNano.com).

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