



NEWS RELEASE

Jacobs to Optimize Data Centers with NVIDIA AI Factory Digital Twin Blueprint

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Digital twins drive efficiency and resiliency of AI factories

Blueprint to create more reliable power, cooling and network ecosystems

DALLAS, May 19, 2025 /PRNewswire/ -- **Jacobs** (NYSE: J) to advance data centers via NVIDIA's Omniverse Blueprint for AI **NVIDIA Omniverse Blueprint for AI factory digital twins** – a blueprint to improve the design, simulation, deployment and operations of AI factories.

Jacobs will test and enhance the end-to-end blueprint workflow, enabling accurate simulations of facility equipment efficiency, throughput and resiliency. Created to unify the design and simulation of billions of components to build digital twins of AI Factories, the blueprint will introduce new integrations across the AI Factory's power, cooling and network ecosystems. Through this collaboration, engineering teams can design, simulate and optimize factories within physically accurate virtual environments, enabling early issue detection and the creation of smarter, more reliable facilities.

"For more than a decade, Jacobs has used digital twin technologies for clients in water and transportation—revolutionizing the way we design, build, operate and maintain critical infrastructure," said Jacobs Executive Vice President Koti Vadlamudi. "Now, AI data centers are being built and intelligently designed with digital twins—creating precise, real-time replicas of physical infrastructure to predict potential issues, optimize operations and positively influence energy consumption — ensuring a more connected and sustainable future for our communities."

Jacobs is solving complex production load challenges globally across the Data Center, Energy and Water sectors. At Portugal's [SINES DC Campus by Start Campus](#), we're delivering a 1.2-gigawatt AI-scale data center powered entirely by renewable energy and cooled with a cutting-edge zero-water system. In the U.S., we're program manager and owner's engineer for [Xcel Energy's](#) multi-billion-dollar transmission and distribution reliability program while also designing and managing the construction of a new wastewater reuse system for data centers in central Virginia. In Australia, we're working with [PsiQuantum](#) on master planning, schematic design, and owner's engineer services for one of the largest utility-scale, fault-tolerant quantum computers in development.

At Jacobs, we're challenging today to reinvent tomorrow – delivering outcomes and solutions for the world's most complex challenges. With approximately \$12 billion in annual revenue and a team of almost 45,000, we provide end-to-end services in advanced manufacturing, cities & places, energy, environmental, life sciences, transportation and water. From advisory and consulting, feasibility, planning, design, program and lifecycle management, we're creating a more connected and sustainable world. See how at [jacobs.com](#) and connect with us on [LinkedIn](#), [Instagram](#), [X](#) and [Facebook](#).

Certain statements contained in this press release constitute forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements are statements that do not directly relate to any historical or current fact. When used herein, words such as "expects," "anticipates," "believes," "seeks," "estimates," "plans," "intends," "future," "will," "would," "could," "can," "may," and similar words are intended to identify forward-looking statements. We base these forward-looking statements on management's current estimates and expectations, as well as currently available competitive, financial and economic data. Forward-looking statements, however, are inherently uncertain. There are a variety of factors that could cause business results to differ materially from our forward-looking statements including, but not limited to, uncertainties as to, the timing of the award of projects and funding and potential changes to the amounts provided for under the Infrastructure Investment and Jobs Act and other legislation and executive orders related to governmental spending, including any directive to federal agencies to reduce federal spending or the size of the federal workforce, and changes in U.S. or foreign tax laws, statutes, rules, regulations or ordinances, including the impact of, and changes to tariffs and retaliatory tariffs or trade policies, that may adversely impact our future financial positions or results of operations, as well as general economic conditions, including inflation and the actions taken by monetary authorities in response to inflation, changes in interest rates and foreign currency exchange rates, changes in capital markets, the possibility of a recession or economic downturn, and increased uncertainty and risks, including policy risks and potential civil unrest, relating to the outcome of elections across our key markets and elevated geopolitical tension and conflicts, among others. For a description of these and additional factors that may occur that could cause actual results to differ from our forward-looking statements, see our filings with the U.S. Securities and Exchange Commission. The company is not under any duty to update any of the forward-looking statements after the date of this press release to conform to actual results, except as required by applicable law.

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