

xAI plans to expand Memphis Colossus supercomputer to at least one million GPUs

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xAI Memphis Announces Expansion Of Supercomputer with Addition Of Tech Companies In Digital Delta

December 4, 2024

Supercomputer to grow to 1 million plus GPUs; Nvidia, Dell and SMC planning growth in Memphis Region with xAI

Memphis, TN – December 4, 2024: In a landmark announcement at the Greater Memphis Chamber Annual Chairman's Luncheon, xAI revealed plans for an expansion of its "Colossus" supercomputer facility. Building upon its initial commitment to Memphis announced last June ([Link to previous release](#)), the company is setting the stage for Memphis to become the global epicenter of artificial intelligence.

The expansion, already underway, will incorporate a minimum of one million Graphics Processing Units (GPUs), marking the largest capital investment in the region's history. Additionally, Fortune 500 tech giants Nvidia, Dell, and Supermicro Computer (SMC) will be establishing operations in Memphis, further solidifying the city's position as the "Digital Delta" – a moniker coined by FedEx founder Fred Smith and his son, FedEx Executive Richard Smith.

Speaking to over 1,000 Memphis business and community leaders, xAI's Brent Mayo shared the stage with Greater Memphis Chamber President and CEO Ted Townsend to detail the transformative initiative.

"In Memphis, we're pioneering development in the heartland of America," Mayo declared. "We're not just leading from the front; we're accelerating progress at an unprecedented pace while ensuring the stability of the grid utilizing megapack technology."

Townsend emphasized the significance of xAI's expanded presence: "When we announced six months ago that xAI would make Memphis its home for Colossus, we recognized it as our defining moment. Memphis has provided the power and velocity necessary for not just xAI to grow and thrive, but making way for other companies as well. We're excited to welcome Nvidia, Dell, and Supermicro to the 'Digital Delta'."

To facilitate this massive undertaking, the Greater Memphis Chamber established an xAI Special Operations Team, led by Townsend. This team provides round-the-clock concierge service to the company. Senior Vice President of Global Business Development Troy Parkes spearheads the initiative, ensuring seamless execution of the company's rapid expansion plans.

This development cements Memphis's transformation into a leading technology hub, promising significant economic growth and positioning the city at the forefront of the artificial intelligence revolution.

About xAI

xAI is a company working on building artificial intelligence to accelerate human scientific discovery. We are guided by our mission to advance our collective understanding of the universe. For more information visit: [xAI](#)

About The Greater Memphis Chamber

One of Memphis' oldest institutions, dating back to 1838, the Greater Memphis Chamber is a privately funded nonprofit that serves as the region's lead economic development organization and the "Voice of Memphis Business" on local, state, and national issues. The Chamber's mission is to drive the Memphis business agenda for Greater Memphis. We do this by relentlessly pursuing prosperity for all — through economic and workforce development, pro-growth advocacy, and by providing support and resources to its investors, which include many of the region's largest employers.

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