Blaize Partners With KAIST to Create the Next Generation of Edge AI Technology

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The university and business research and development collaboration is expected to produce new edge AI computing applications across biomedical, neuromorphic, photovoltaics, thermoelectrics and green hydrogen

EL DORADO HILLS, Calif.--(BUSINESS WIRE)--Mar. 4, 2025-- Blaize Holdings, Inc. (NASDAQ: BZAI) (“Blaize”), a provider of purpose-built, artificial intelligence (AI)-enabled edge-optimized solutions, and South Korea-based KAIST Institute for NanoCentury (“KINC”) of the Korea Advanced Institute of Science and Technology (“KAIST”) have entered into a joint technology agreement for research and development projects, as well as the co-development of prototypes and technology solutions.

Through the partnership, Blaize and KAIST will bring the best of collaboration between the most advanced scientific university research and the most promising applications of edge AI computing in industry and the business world.

The areas of research and development focus include:

- AI-based analysis and chips for biomedical diagnoses;
- Energy-efficient neuromorphic devices such as memristive devices for synaptic storage, spintronic devices, and 2D material-based neuromorphic components; and
- High-efficiency energy conversion materials and devices, such as perovskite photovoltaics, thermoelectrics, and green hydrogen production

As part of the agreement, Blaize and KAIST plan to exchange personnel with each other to exchange information, provide education, and engage in joint research. KAIST and Blaize also intend to hold joint workshops and conferences to broaden understanding of the applications of AI-based chips and edge computing.

“KAIST is at the cutting edge in scientific and engineering discovery, producing groundbreaking research in fields such as robotics, artificial intelligence and nanotechnology,” said Dinakar Munagala, chief executive officer of Blaize. “Blaize is excited to partner with KAIST to develop the next generation of edge AI computing technologies.”

"At KINC, we are excited to collaborate with Blaize to advance edge AI technologies in biomedical diagnostics, neuromorphic computing, and sustainable energy. We believe this partnership will drive meaningful innovation and real-world impact," said Prof. Sang-Ouk Kim, director of KINC.

The agreement with KAIST is part of Blaize’s continuing success in developing edge AI computing applications across several verticals, such as security and monitoring, enterprise edge AI and autonomous systems, and demonstrates Blaize’s growing customer pipeline.

About Blaize

Blaize provides a full-stack programmable processor architecture suite and low-code/no-code software platform that enables AI processing solutions for high-performance computing at the network’s edge and in the data center. Blaize solutions deliver real-time insights and decision-making capabilities at low power consumption, high efficiency, minimal size and low cost. Blaize has raised over $330 million from strategic investors such as DENSO, Mercedes-Benz AG, Magna, and Samsung and financial investors such as Franklin Templeton, Temasek, GGV, Bess Ventures, BurTech LP LLC, Rizvi Traverse, and Ava Investors. Headquartered in El Dorado Hills (CA), Blaize has more than 200 employees worldwide with teams in San Jose (CA) and Cary (NC), and subsidiaries in Hyderabad (India), Leeds and Kings Langley (UK), and Abu Dhabi (UAE).

About KAIST

KAIST (Korea Advanced Institute of Science and Technology) is South Korea’s top-ranked public research university in science and engineering. Recognized globally for its excellence, KAIST offers a research-intensive curriculum that fosters innovation and technological breakthroughs. Its strong industry partnerships provide students with unparalleled opportunities for hands-on experience, entrepreneurship, and career advancement. Additionally, KAIST maintains extensive global collaborations with leading institutions and research centers worldwide.

Cautionary Statement Regarding Forward Looking Statements

This press release contains forward-looking statements within the meaning of Section 27A of the U.S. Securities Act of 1933, as amended (the “Securities Act”), and Section 21E of the U.S. Securities Exchange Act of 1934, as amended (the “Exchange Act”) that are based on beliefs and assumptions and on information currently available to Blaize, including statements regarding the industry in which Blaize operates, market opportunities, and product offerings. In some cases, you can identify forward-looking statements by the following words: “may,” “will,” “could,” “would,” “should,” “expect,” “intend,” “plan,” “anticipate,” “believe,” “estimate,” “predict,” “project,” “potential,” “continue,” “ongoing,” “target,” “seek” or the negative or plural of these words, or other similar expressions that are predictions or indicate future events or prospects, although not all forward-looking statements contain these words. Forward-looking statements are predictions, projections and other statements about future events that are based on current expectations and assumptions and, as a result, are subject to risks and uncertainties. Many factors could cause actual future events to differ materially from the forward-looking statements in this document, including but not limited to: (i) changes in domestic and foreign business, market, financial, political and legal conditions; (ii) the expected benefits of the Blaize’s business combination with BurTech Acquisition Corp. (the “Business Combination”) are not obtained; (iii) the ability to meet stock exchange listing standards following the consummation of the Business Combination; (iv) the risk that the Business Combination disrupts current plans and operations of Blaize as a result of the consummation of the Business Combination; (v) failure to realize the anticipated benefits of the Business Combination, which may be affected by, among other things, competition, the ability of the combined company to grow and manage growth profitably, maintain relationships with customers and suppliers and retain its management and key employees; (vi) costs related to the Business Combination; (vii) changes in applicable law or regulations; (viii) the outcome of any legal proceedings that may be instituted against Blaize; (ix) the effects of competition on Blaize’s future business; (x) the ability of the combined company to issue equity or equity-linked securities or obtain debt financing; (xi) the enforceability of Blaize’s intellectual property rights, including its copyrights, patents, trademarks and trade secrets, and the potential infringement on the intellectual property rights of others; and (xii) those factors discussed under the heading “Risk Factors” in our Registration Statement on Form S-1 filed with the Securities and Exchange Commission (SEC) on February 10, 2025 and other documents filed by Blaize from time to time with the SEC. These filings identify and address other important risks and uncertainties that could cause actual events and results to differ materially from those contained in the forward-looking statements. Forward-looking statements speak only as of the date they are made. Readers are cautioned not to put undue reliance on forward-looking statements, and Blaize assumes no obligation to update or revise these forward-looking statements, whether as a result of new information, future events, or otherwise, except as required by law, including the securities laws of the United States and the rules and regulations of the SEC. Blaize does not give any assurance that it will achieve its expectations.

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Media contacts
Leo Merle
Blaize
info@blaize.com

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