



JetCool closes USD 17 million Series A led by Bosch Ventures

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Liquid cooling technology overcomes sustainability challenges in data centers, High Performance Computing and AI applications.

- ▶ As a leading deep tech investor, Bosch Ventures is proud to support JetCool in their mission to provide a high performance and environmentally conscious cooling solution for data centers.
- ▶ The funds will be used to fuel global growth and further expand the company's roadmap of next-generation liquid cooling solutions to match the growing demand for AI and high-density computing while reducing data center water usage and energy costs significantly.
- ▶ The investment round includes participation from leading technology investors such as In-Q-Tel, Raptor Ventures, and Schooner Capital.

Stuttgart, Germany – Bosch Ventures, the corporate venture capital company of the Bosch Group, has completed an investment in JetCool. The start-up is an innovative liquid cooling technology provider, transforming data center cooling performance at chip level. "In the rapidly evolving tech landscape, with advanced AI platforms and complex chip designs, there's an urgent need to address increasing heat, power, and water consumption in data centers", said Bernie Malouin, JetCool CEO. "With support from Bosch Ventures, In-Q-Tel, and our current investors, JetCool is poised to meet this demand and revolutionize the cooling industry."

JetCool designs and delivers a proprietary microconvective cooling technology for high-power electronics, enabling customers in the data centers and high-performance computing to achieve unprecedented compute performance and significant sustainability improvements. Their fluid-to-package/fluid-to-die cooling techniques eliminate all thermal pastes and thermal interface materials, minimizing thermal resistance and therefore improving cooling efficiency.

Saving Water & Energy to enable the AI and High-Density Chip Boom

In the era of Generative AI and dense chip architectures, JetCool's proprietary cooling technology is essential for addressing overheating, enhancing performance, and prolonging the lifespan of computing systems, ensuring they operate at their peak potential without compromising on efficiency or durability. JetCool plays a pivotal role not only in powering high-performance computing and AI operations but also in leading sustainability efforts within the data center industry.

According to JetCool's published [white paper](#), JetCool can help to reduce the water consumption of data centers by up to 90% and reduce the energy costs by up to 18%. JetCool estimates that a widespread adoption of their technology in the United States alone would save up to 11.1 billion kWh in electricity and 150 billion liters of water per year while averting 35 million metric tons of CO2 emissions globally.

“When a technology that saves natural resources and energy aligns with a rapidly growing market demand, it's crucial to seize this opportunity,” said Dr. Ingo Ramesohl, Managing Director of Bosch Ventures. “JetCool is well positioned to significantly transform the liquid cooling industry on a global scale, and this capital infusion will help drive continued leadership and innovation in this emerging, but soon-to-be essential, technology category.”

The investment also follows two significant industry partnerships forged by JetCool earlier this year. In May, JetCool debuted its SmartPlate System in collaboration with Dell Technologies' next-generation PowerEdge servers. By adding JetCool's advanced liquid cooling to Dell PowerEdge servers, customers can deploy liquid cooling within the space of a traditional air-cooled server, maximizing server investments while achieving superior computing performance. In June, JetCool announced a collaboration with DuPont to increase the adoption of advanced liquid cooling technology and create a distribution channel to target semiconductor companies in Taiwan and Singapore.

JetCool raised USD 17 million in a Series A funding round led by Bosch Ventures and joined by new investors, including In-Q-Tel. Previous investors Schooner Capital, Raptor, RS Stata and MassVentures also participated in the round.

Press photos: #19182888 (JetCool cooling system), #5adfb2ea (JetCool Smart Plate)

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About Bosch Ventures

Robert Bosch Venture Capital GmbH (Bosch Ventures) is the corporate venture capital company of the Bosch Group, a leading global supplier of technology and services. Bosch Ventures invests worldwide in innovative start-up companies at all stages of their development. Its investment activities focus on technology companies working in areas of business of current and future relevance for Bosch, above all, automation and electrification, energy efficiency, enabling technologies, and healthcare systems. Bosch Ventures also invests in services and business models that are relevant to the above-mentioned areas of business. Furthermore, Bosch Ventures enables co-innovation between Bosch and startups through the Open Bosch Program. Additional information is available online at: www.rbvc.com

The Bosch Group is a leading global supplier of technology and services. It employs roughly 420,000 associates worldwide (as of December 31, 2022). According to preliminary figures, the company generated sales of 88.4 billion euros in 2022. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT provider, Bosch offers innovative solutions for smart homes, Industry 4.0, and connected mobility. Bosch is pursuing a vision of mobility that is sustainable, safe, and exciting. It uses its expertise in sensor technology, software, and services, as well as its own IoT cloud, to offer its customers connected, cross-domain solutions from a single source. The Bosch Group's strategic objective is to facilitate connected living with products and solutions that either contain artificial intelligence (AI) or have been developed or manufactured with its help. Bosch improves quality of life worldwide with products and services that are innovative and spark enthusiasm. In short, Bosch creates technology that is "Invented for life." The Bosch Group comprises Robert Bosch GmbH and its roughly 440 subsidiary and regional companies in some 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. With its more than 400 locations worldwide, the Bosch Group has been carbon neutral since the first quarter of 2020. The basis for the company's future growth is its innovative strength. At 128 locations across the globe, Bosch employs some 85,000 associates in research and development, of which nearly 44,000 are software engineers.

The company was set up in Stuttgart in 1886 by Robert Bosch (1861–1942) as "Workshop for Precision Mechanics and Electrical Engineering." The special ownership structure of Robert Bosch GmbH guarantees the entrepreneurial freedom of the Bosch Group, making it possible for the company to plan over the long term and to undertake significant upfront investments in the safeguarding of its future. Ninety-four percent of the share capital of Robert Bosch GmbH is held by Robert Bosch Stiftung GmbH, a charitable foundation. The remaining shares are held by Robert Bosch GmbH and by a corporation owned by the Bosch family. The majority of voting rights are held by Robert Bosch Industrietreuhand KG, an industrial trust. The entrepreneurial ownership functions are carried out by the trust.

Additional information is available online at www.bosch.com, www.iot.bosch.com, www.bosch-press.com, [www.twitter.com/BoschPress](https://twitter.com/BoschPress)

About JetCool

JetCool is catalyzing breakthroughs in thermal management for compute-intensive applications. The company's liquid cooling solutions provide the essential foundation for semiconductor manufacturers, hyperscalers, and their partners to advance innovations in high-performance computing. Deployed by several major chipmakers and OEMs, JetCool's state-of-the-art liquid cooling solutions ensure sustained advancements in device efficiency, performance, reliability, and sustainability. With over \$20 million USD in investments from renowned entities in tech, semiconductor, and venture sectors such as Bosch Ventures and DuPont, JetCool continues to uphold its commitment to a forward-thinking mission. For additional information, please visit www.jetcool.com.