



भारतीय प्रौद्योगिकी संस्थान मुंबई  
INDIAN INSTITUTE OF TECHNOLOGY BOMBAY

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**FOR IMMEDIATE RELEASE**

**Vertiv and IIT Bombay Join Hands to Advance Cooling Strategies for  
AI-Powered Data Centers**

**A collaboration to empower students, foster innovation, and strengthen India's  
digital capabilities**

**Mumbai | November 25, 2025:** – IIT Bombay and Vertiv (NYSE: VRT) have announced a strategic collaboration aimed at advancing cooling solutions for AI-driven computing workloads in data centers, an increasingly critical area as India accelerates its digital and technological progress. This collaboration builds on Vertiv's existing partnerships across various educational institutes and IITs across the country where we are developing the skilled workforce required for the operation and maintenance of data centers and helping the industry bridge its talent gap. As AI reshapes industries ranging from healthcare and manufacturing to financial services and urban development, the demand for dependable, high-performance computing infrastructure has grown significantly. Managing this surge requires fresh thinking, strong engineering foundations, and collaborative innovation between industry and academia.

This partnership between Vertiv and IIT Bombay draws on the strengths of both institutions to address emerging challenges and prepare the next generation of engineers for the evolving digital landscape. Formalizing the initiative, the Memorandum of Understanding was signed by **Prof. Shireesh Kedare, Director of IIT Bombay**, and **Mr. Subhasis Majumdar, Managing Director at Vertiv India**, reinforcing a shared commitment to advancing India's technological capabilities in line with the nation's Make in India and Aatmanirbhar Bharat vision.

Speaking about the collaboration, **Dr. A. S. Prasad, Vice President - Product Management and Engineering, Vertiv**, said, "At Vertiv, we design and deliver critical power and cooling infrastructure for some of the world's largest data centers and telecom networks. With decades of

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real-world experience keeping mission-critical systems running 24×7 across 130+ countries, we are happy to collaborate closely with Professor M. V. Rane from the Department of Mechanical Engineering, IIT Bombay, one of India's foremost experts in refrigeration and thermal systems. By combining IIT Bombay's deep scientific insights with Vertiv's global engineering expertise and our real-time learnings from thousands of operating data centers, this collaboration will help prepare the next generation to be better equipped with industry-relevant knowledge. This is how we ensure that tomorrow's thermal engineers, data center architects, and technology leaders carry both academic excellence and industry intuition in their DNA."

Commenting on the partnership, **Prof. Shireesh Kedare, Director of IIT Bombay**, said, "Our collaboration with Vertiv enables us to take research from labs to solutions with direct industrial relevance. As AI and high-performance computing systems evolve, there is a pressing need for approaches that are both technically robust and futureready. This initiative provides our students and researchers with an opportunity to work at the intersection of innovation and real-world application. Because when industry brings real-world experience and academia brings fearless curiosity, the result is always greater than the sum of its parts."

The technology being used in the current project collaboration is IIT Bombay's Rotating Contacting Disk (RCD) system. It has substantially lower air-side pressure drops than conventional pad-type precoolers—reducing fan power and noise while improving Water Utilization Efficiency. It enables higher cycles of concentration and opens up the possibility to use recycled water or even seawater. IIT Bombay's patented RCD technology, developed under Prof. M V Rane is already licensed for Wastewater Vapourization and CO<sub>2</sub> Scrubbing. It has also been demonstrated as an energyefficient cooling tower with diverse applications, delivering up to 4× energy savings in fan power while delivering better approach.

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The Vertiv-IIT Bombay partnership is designed to create long-term impact by giving students and researchers hands-on exposure to real engineering challenges, industry mentorship, and deeper engagement with emerging digital infrastructure technologies. Both organizations are aligned in their vision to model how academia and industry can work together to address complex engineering problems while contributing to India's long-term digital ambitions. Vertiv will also explore new avenues of engagement across power, cooling, and infrastructure domains to deepen this collaboration and drive innovation that benefits both the industry and society at large.

## **About Vertiv:**

Vertiv (NYSE: VRT) brings together hardware, software, analytics, and ongoing services to enable its customers' vital applications to run continuously, perform optimally, and grow with their business needs. Vertiv solves the most important challenges facing today's data centers, communication networks, and commercial and industrial facilities with a portfolio of power, cooling, and IT infrastructure solutions and services that extend from the cloud to the edge of the network. Headquartered in Westerville, Ohio, USA, Vertiv does business in more than 130 countries. For more information, and for the latest news and content from Vertiv, visit [Vertiv.com](http://Vertiv.com).

## **Forward-looking statements:**

This release contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995, Section 27 of the Securities Act, and Section 21E of the Securities Exchange Act. These statements are only a prediction. Actual events or results may differ materially from those in the forward-looking statements set forth herein. Readers are referred to Vertiv's filings with the Securities and Exchange Commission, including its most recent Annual Report on Form 10-K and any subsequent Quarterly Reports on Form 10-Q, for a discussion of these and other important risk factors concerning Vertiv and its operations. Vertiv is under no obligation to, and expressly disclaims any obligation to, update or alter its forwardlooking statements, whether as a result of new information, future events, or otherwise.

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## About IIT Bombay:

The Indian Institute of Technology Bombay, set up in 1958 as the second IIT, is recognised worldwide as a leader in the field of science and engineering education and research. The Institute was granted the status of 'Institution of Eminence' by the Ministry of Education (the then Ministry of Human Resources Development) on July 9, 2018. IIT Bombay is reputed for the quality of its faculty, cutting-edge research, industry relations, and the outstanding caliber of students graduating from its undergraduate and postgraduate programmes. The Institute has 17 academic departments, 47 other academic entities (Centres/ Programmes/ Academic facilities/ Hubs/ Externally funded centres and Labs), and three schools. Over the last six decades, more than 75,000 engineers and scientists have graduated from the Institute. It is served by 756 faculty members, with 121 women faculty, and about 150 visiting and part-time faculty, considered not only amongst the best within the country but also highly recognised in the world for achievements in the field of education and research. On June 19, 2025, IIT Bombay was ranked 2nd in India and 129th in the world in the Quacquarelli Symonds (QS) World University Rankings for 2026.

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