New Ultrascale Digital Infrastructure and Cargill partnership empowers data centers to operate more efficiently and sustainably with a first-of-its-kind, plant-based cooling solution

Ultrascale Digital Infrastructure is proud to announce a new strategic partnership with Cargill, Incorporated, that integrates Cargill's bio-based NatureCool™ 2000 immersion cooling liquid and Ultrascale Digital Infrastructure's patented immersion cooling data center design to help cut data center energy use by more than 50%, eliminate the massive water waste and toxic chemicals currently associated with most traditional data centers, and support decarbonization goals. The new partnership represents a significant step forward toward a more sustainable U.S. data center market industry by establishing the first-of-its-kind, plant-based cooling solution.

Cargill's NatureCool™ 2000 immersion cooling liquid is a biodegradable coolant made from renewable plant-based resources. Purpose engineered to be compatible with a broad variety of electronics, related materials and components, NatureCool™ 2000 immersion cooling liquid exhibits a high flash point, leading to a higher level of fire safety compared to most synthetics. Ultrascale Digital Infrastructure is helping transform the data center landscape with innovations designed to support the intense demands of power-hungry, blazing-hot AI microchips. Ultrascale's patented immersion cooling technology can dramatically improve performance – using its waterless 52U rack design capable of cooling more than 300 kilowatts per rack. When the two cooling solutions are combined, data centers can operate more efficiently and affordably while using plant-based, renewable resources that outperform conventional IT air cooling systems.

"At Ultrascale, we've proven that liquid immersion cooling is the most high-performing, cost-efficient and sustainable solution for data center operations, but incorporating Cargill's NatureCool™ 2000 immersion cooling liquid with Ultrascale's patent-pending cooling technology will transcend the industry to a higher level," said Arnold Magcale, founder and CEO of Ultrascale Digital Infrastructure. "Our team is excited to work with Cargill's diverse group of dedicated scientists and we're proud to partner with a trailblazing company that continues to innovate - as it builds on a nearly 160-year history of pioneering international success."

"Cargill has a unique position to supply the world with value added, nature-derived chemistries, but it is through partnerships like the one with Ultrascale, as an expert in this industry, that we truly bring solutions to life," said Javi McGuiggan, Global Power Systems Director for Cargill's Bioindustrial business. "Ultrascale has shown an extraordinary commitment to improving energy efficiency in data centers by adapting their technology as they incorporate our unique, new-to-market, plant-based fluid. We are eager to showcase the results from this alliance to the data center industry and prove that bio-based solutions are key in their path to success."

Data centers already consume massive amounts of water and power to insulate and cool industrial electronic equipment, but the AI revolution is driving that demand exponentially higher. Some experts say power-hungry AI chips are on track to consume as much as 25% of all electricity used in the United States by the year 2030 – an astronomical and unsustainable increase. That's why strategic

alliances like the Cargill – Ultrascale partnership are essential for the future: By leveraging our combined expertise, Ultrascale Digital Infrastructure and Cargill can deliver solutions that drive rapid progress in diverse locations throughout the world.