GE Vernova to deploy pioneering Direct Air Capture technology at Deep Sky Alpha in Canada

NEW YORK CITY (September 24, 2025) – GE Vernova and Deep Sky, the world's first technology-agnostic carbon removal project developer, announced an agreement to deploy GE Vernova's Direct Air Capture (DAC) technology at Deep Sky Alpha in Alberta, Canada. GE Vernova's technology will be capable of capturing up to 1,500 tons of carbon per year. With operations scheduled to begin by late 2026, Alpha will deploy GE Vernova's proprietary solid sorbent technology, developed and rigorously tested at the company's Advanced Research Centers.

Located in Innisfail, Alberta, Deep Sky Alpha is the world's first cross-technology carbon removal hub which became operational in August 2025.

"We are excited about this first-of-its-kind collaboration, which marks an important step in advancing GE Vernova's scalable, energy-efficient DAC solutions," said **Brian Moran, Executive Director of GE Vernova's DAC program**. "While the technology and industry are still emerging, collaborations like this, built on shared ambition and complementary strengths, have the potential to transform the future of carbon removal."

GE Vernova DAC solutions couple innovative technology with resilient global supply chains that enable rapid deployment, as well as integrated systems engineering that improves energy use, harnesses waste heat, and ensures reliable operations at scale.

To further support the success of the Deep Sky Alpha project and future deployments, GE Vernova recently commissioned a 10-ton per year DAC test facility at their Advance Research Center in Niskayuna, New York. This system will play a pivotal role in demonstrating the capabilities of both the sorbent materials and the overall DAC technology, building confidence in its reliability and performance at the pilot stage and laying the groundwork for successful commercial-scale deployment.

“Deep Sky is the only place in the world offering end-to-end deployment, operations, renewable power and CO2 storage for DAC technologies, all in real world conditions,” said **Alex Petre, CEO of Deep Sky**. “GE Vernova entering this space underscores the growing momentum and urgency for DAC as a climate solution. We’re proud to welcome their unit to Deep Sky Alpha and to serve as the proving ground that sets the pace for the industry’s growth.”

The collaboration between Deep Sky and GE Vernova represents an important first step in deploying this innovative technology at speed and scale. It sets the foundation for future commercial-scale DAC projects in Canada, and internationally, as both organizations focus on the scale-up and industrialization of these solutions.

Together, GE Vernova and Deep Sky are committed to developing and deploying cutting-edge carbon dioxide removal (CDR) technologies. High-quality CDR is essential for achieving emissions goals. DAC removes carbon dioxide (CO_2) directly from the atmosphere using chemical processes. Unlike capturing emissions at their source (like power plants or industrial facilities), DAC removes CO_2 from ambient air, which makes it useful for addressing residual emissions and emissions from sources that are hard-to-abate, such as aviation, shipping, or heavy industry.

###

About Deep Sky

Montreal-based Deep Sky is the world's first tech-agnostic carbon removal project developer aiming to remove gigatons of carbon from the atmosphere and permanently store it underground. As a project developer, Deep Sky brings together the most promising direct air and ocean carbon capture companies under one roof to bring the largest supply of high quality carbon credits to the market, commercializing and catalyzing carbon removal and storage solutions like never before. With $130M in funding, Deep Sky is backed by world class investors including Investissement Québec, Brightspark Ventures, Whitecap Venture Partners, OMERS Ventures, BDC Climate Fund, Breakthrough Energy Catalyst, BMO, National Bank of Canada, and more. For more information, visit **deepskyclimate.com**.

© 2025 GE Vernova and/or its affiliates. All rights reserved.
GE and the GE Monogram are trademarks of General Electric Company used under trademark license.

Captions:

- Photo 1: GE Vernova's recently commissioned DAC test facility located at the company's new Advanced Research Center in upstate New York captures up to 10 tons of CO_2 from the air each year.
- Photo 2 The GE Vernova DAC test facility plays a critical role in showcasing the performance of GE Vernova's DAC technology and advancing innovation toward cost-effective, high-impact carbon removal solutions.
- Photo 3: The GE Vernova DAC test facility is engineered for high operational flexibility, enabling rapid design comparisons under consistent conditions.

About GE Vernova

GE Vernova Inc. (NYSE: GEV) is a purpose-built global energy company that includes Power, Electrification and Wind segments and is supported by its accelerator businesses. Building on over 130 years of experience tackling the world's challenges, GE Vernova is uniquely positioned to help lead the energy transition by continuing to electrify the world while simultaneously working to decarbonize it. GE Vernova helps customers power economies and deliver electricity that is vital to health, safety, security, and improved quality of life. GE Vernova is headquartered in Cambridge, Massachusetts, U.S., with approximately 85,000 employees across approximately 100 countries around the world. Supported by the Company's purpose, The Energy to Change the World, GE Vernova technology helps deliver a more affordable, reliable, sustainable, and secure energy future.

GE Vernova's **Advanced Research** business is an innovation powerhouse, operating at the intersection of science and creativity to turn cutting edge research into impactful realities. Advanced Research collaborates with GE Vernova's businesses across a broad range of technical disciplines to accelerate the energy transition.

Forward-Looking Statements

This document contains forward-looking statements – that is, statements related to future events that by their nature address matters that are, to different degrees, uncertain. These forward-looking statements often address GE Vernova's expected future business and financial performance and financial condition, and the expected performance of its products, the impact of its services and the results they may generate or produce, and often contain words such as "expect," "anticipate," "intend," "plan," "believe," "seek," "see," "will," "would," "estimate," "forecast," "target," "preliminary," or "range." Forward-looking statements by their nature address matters that are, to different degrees, uncertain, such as statements about planned and potential transactions, investments or projects and their expected results and the impacts of macroeconomic and market conditions and volatility on the Company's business operations, financial results and financial position and on the global supply chain and world economy.

https://www.gevernova.com/
GE Vernova

Media inquiries

Dalia Rashid

GE Vernova | Communications, Americas
dalia.rashid@gevernova.com