

Datavault AI to Deploy AI-Driven Supercomputing for Biofuel Innovation

Computational Modeling and High Performance Computing (HPC) to Optimize Biofuel Digital Twins and Support U.S. Energy Independence

BEAVERTON, Ore.--(BUSINESS WIRE)-- Datavault AI Inc. (Nasdaq: DVLT), leading the way in AI data experience, valuation and monetization, is poised to develop an AI-driven multi-modal machine learning system to support biofuel crop optimization. The initiative focuses on increasing fatty acid metabolism efficiency in *Brassica napus* (canola) using high-performance computational modeling, supporting the EPA's goal to replace up to 140,000 barrels of crude oil per day with biofuels. Aspects of this work will be facilitated with Datavault AI's research partners from the Computing and Data Sciences Directorate at the U.S. Department of Energy's Brookhaven National Laboratory.

The project will combine expertise in comparative genomics, multi-omics data processing and evolutionary biology to refine metabolic pathways in *Brassica napus*. Datavault AI is providing project oversight and quality assurance, ensuring that computational models are structured, validated and scalable for biofuel producers.

"As investments in biofuels continue to scale, we are positioned to bridge the gap between research and market adoption, ensuring that biofuel innovations translate into real economic value. Additionally, digital twins and Web 3.0 enable new levels of collaboration, data indexing and perceptions, exponentially accelerating the pace of meaningful discovery," said Nathaniel Bradley, CEO of Datavault AI. "By applying computational validation and high-performance computing, we are accelerating the timeline for biofuel crop optimization and ensuring these breakthroughs move beyond the lab and into commercial adoption. Our approach to data monetization offers a fresh perspective on scientific sustainability and empowers human-driven discovery in the pursuit of cleaner earth resources."

With traditional biofuel crop optimization taking years, computational simulations provide a more efficient and precise approach to analyzing genetic modifications that enhance oil production. Datavault AI's high-performance computing infrastructure and Digital Twin models will be applied to process metabolic datasets, reducing the time required to develop commercially viable biofuel crop enhancements.

"This collaboration is reinforcing Datavault AI's role in structuring data for commercialization within the renewable energy sector," stated Sonia Choi, Chief Marketing Officer at Datavault AI and Lead Principal Investigator for the project. "Brookhaven National Laboratory is providing a foundation for biofuel advancements, while our role is ensuring that these insights are structured for large-scale implementation."

For Datavault AI, this project represents a strategic foothold in a market poised for exponential growth as federal investments in biofuel research expand. Global biofuel demand is projected to increase by 38 billion liters between 2023 and 2028, a nearly 30%

surge driven by biofuel policies and rising transport fuel demand. Additionally, biofuel capacity investments reached a decade high in 2022, with major renewable diesel refineries securing funding commitments exceeding \$1.9 billion in North America alone.¹ By structuring data for commercialization, Datavault AI is positioned to play a critical role in the transition to high-performance computing-driven renewable energy solutions, unlocking potential revenue streams in both public and private sector energy markets.

About Datavault AI Inc.

Datavault AI² (Nasdaq: DVLТ) is leading the way in AI experience, valuation and monetization of assets in the Web 3.0 environment. The company's cloud-based platform provides comprehensive solutions with a collaborative focus in its Acoustic Science and Data Science Divisions. Datavault AI's Acoustic Science Division features WiSA®, ADIO® and Sumerian® patented technologies and industry-first foundational spatial and multichannel wireless HD sound transmission technologies with IP covering audio timing, synchronization and multi-channel interference cancellation. The Data Science Division leverages the power of Web 3.0 and high-performance computing to provide solutions for experiential data perception, valuation and secure monetization. Datavault AI's cloud-based platform provides comprehensive solutions serving multiple industries, including HPC software licensing for sports & entertainment, events & venues, biotech, education, fintech, real estate, healthcare, energy and more. The Information Data Exchange® (IDE) enables Digital Twins, licensing of name, image and likeness (NIL) by securely attaching physical, real-world objects to immutable metadata objects, fostering responsible AI with integrity. Datavault AI's technology suite is completely customizable and offers AI and Machine Learning (ML) automation, third-party integration, detailed analytics and data, marketing automation and advertising monitoring. The company is headquartered in Beaverton, OR. Learn more about Datavault AI at www.datavaultsite.com.

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as a going concern; our ability to maintain the listing of our common stock on Nasdaq; our ability to manage costs and execute on our operational and budget plans; our ability to achieve our financial goals; the degree to which our licensees implement the licensed technology into their products, if at all; the timeline to any such implementation; risks related to technology innovation and intellectual property, and other risks as more fully described in our filings with the U.S. Securities and Exchange Commission. The information in this press release is provided only as of the date of this press release, and we undertake no obligation to update any forward-looking statements contained in this communication based on new information, future events, or otherwise, except as required by law.

¹ IEA: <https://www.iea.org/reports/world-energy-investment-2024/overview-and-key-findings>

² Formerly known as WiSA Technologies, Inc.

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