



ENEOS

January 5, 2024
ENEOS Corporation

Exhibiting at CES® 2024



TOKYO – Jan 05, 2024 – ENEOS Group is pleased to announce that it will exhibit at CES® 2024, the world's leading technology trade show, to be held in Las Vegas, USA, from January 9 to 12, 2024.

ENEOS is committed to creating new value through proprietary technology development and open innovation with startups for creation and innovation in energy, resources, and materials. This is ENEOS second straight attendance after last year's CES® 2023. At this year's exhibition, we will present lubricants for electric vehicles (EVs) and energy-saving biomass lubricants and greases that are carbon neutral. ENEOS will also host several partner companies*¹ in which ENEOS Innovation Partners LLC*² has invested to explore the possibility of expanding business partnerships on a global scale.

【Exhibition Outline】

Dates : January 9 (Tuesday) to January 12 (Friday), 2024 *Local time

Exhibition Venue : Las Vegas Convention Center

Our booth : Booth #9247 (North Hall, AI/ROBOTICS Area)

*1

Partner companies	Exhibits
Persefoni AI	Platform for managing Green House Gas (GHG) emissions
Moment Energy	EV battery reuse technology
GRC	Data server immersion cooling system along with cooling oil for data servers developed in collaboration with ENEOS

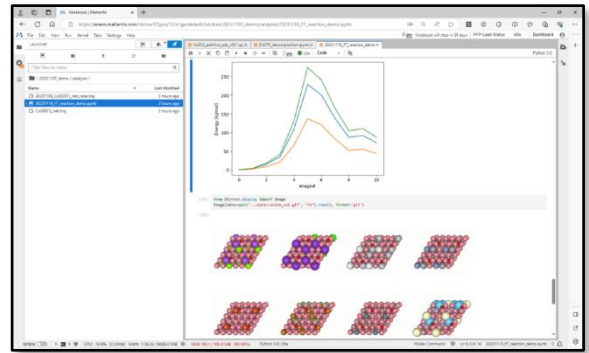
*2 ENEOS Innovation Partners is a corporate venture capital operated by the ENEOS Group.

【Exhibited Products】

1. Matlantis™, a Versatile Atomic-Level Simulator for Accelerating Materials Development



Matlantis is a general-purpose atomic-level simulator that can reproduce the behavior of materials on an atomic scale for large-scale materials exploration. It was developed in collaboration with Preferred Networks, Inc. (PFN*) headquartered in Tokyo, Japan. By incorporating a deep learning model into a conventional physics simulator, Matlantis increases calculation speed by tens of thousands of times over conventional simulators and can be applied to a variety of materials without limiting the domain.

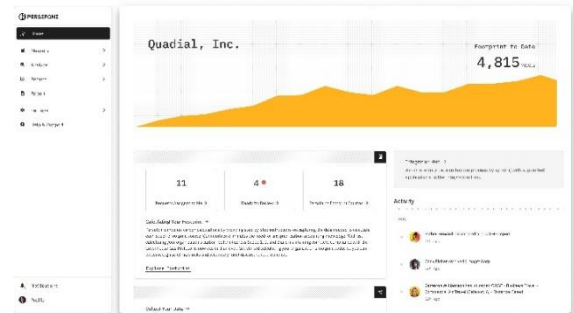


Matlantis is marketed by Preferred Computational Chemistry, Inc. and was launched as a cloud service in July 2021, and has been available for the U.S. market since April 2023. As of December 1, 2023, Matlantis has been introduced to more than 70 companies and research organizations in Japan and overseas and is used in a wide range of development projects, including catalysts, battery materials, semiconductors, alloys, lubricants, ceramic materials, chemical materials, and polymer materials. Along with exhibits on Matlantis, its application in the development of innovative materials for carbon neutrality in the exhaustive search for battery components and fluids for EVs will be shown at this exhibition.

2. Persefoni AI's Climate Management and Accounting platform



Persefoni AI Inc.* is a market-leading Climate Management and Accounting platform offering businesses and financial institutions software and AI tools to manage their organization's climate-related data, disclosures, and performance with the same level of rigor and confidence as their financial reporting systems.



Persefoni AI's platform enables users to streamline their carbon footprint calculations, develop and oversee decarbonization strategies, and generate audit-ready sustainability reports around the globe. This empowers our users with granular data to make critical business decisions and provide regulatory disclosures with confidence.

Persefoni AI and ENEOS reaffirm their commitment to not simply calculating GHG emissions, but actively reducing them. This initiative is a critical step towards realizing a decarbonized society and serves as a model for global businesses aiming to align with sustainable practices.

3. Moment Energy's EV battery reuse technology



One of the concerns that has accompanied the introduction of EVs is the sustainable handling of used EV batteries after the end of their life at the vehicle. The EV battery is a valuable resource, and battery reuse is expected to increase the lifetime of EV batteries significantly. Moment Energy* is North America's leading EV battery repurposing company, creating clean, affordable, and reliable battery energy storage systems (BESS) by repurposing retired EV batteries. It works with major automotive companies,

including Mercedes Benz Energy, to support circular economy goals and ensure their batteries are safely used in second-life applications before they are recycled. Moment Energy helps utilities, microgrids and commercial customers improve grid reliability, power EV charging stations and reduce demand charges, all with a sustainable and performant BESS solution made from repurposed EV batteries. Combining Moment Energy's battery technology with ENEOS energy supply expertise enables renewable energy generation and a stable energy supply.

4. GRC's immersion cooling system for data servers and ENEOS Immersion Cooling Fluids jointly developed with GRC



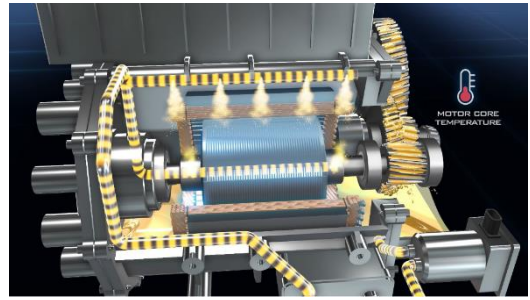
Data centers, which consume 1% of the world's electricity, are expected to see a rapid increase in demand due to the progress of digitization, including Generative AI and other technologies. The global need to build sustainable data centers is drawing attention to cooling technology to reduce power consumption. GRC* is a U.S. company developing single-phase immersion systems for data centers that are more efficient than the air-cooling and indirect water-cooling methods that are currently the mainstream infrastructure used in data centers.



By leveraging GRC's unique cooling system and our proprietary cooling fluid development capabilities, we will contribute to the construction of a sustainable digital society.

5. ENEOS Lubricant Products for EVs

Electric vehicles (EVs) require specialized fluids with high electrical insulation, cooling, and gear protection performance. ENEOS is known worldwide for developing specialized automotive lubricants that meet customer needs. We have established lubricant technology that satisfies new performance requirements for EV fluids at a



high level by utilizing our accumulated technologies and knowledge. We will continue to lead the world by providing innovative technologies, products, and services for EV drive systems, which are evolving very rapidly, with our unique lubricant technologies.

6. ENEOS Carbon-neutral, energy-saving biomass lubricants and greases

ENEOS has launched a new series of lubricants and greases using plant-derived base oils made from sugarcane and soybeans as the "ENEOS GX Series" and started sales in May 2023. The new series uses 100% plant-derived base oil



composed only of carbon and hydrogen and reduces CO2 emissions over the product lifecycle from raw material procurement to product shipment by approximately 87% compared to conventional lubricating oil, and by approximately 58% compared to greases. Since these products also have energy-saving performance, their use by customers will contribute to the further reduction of CO2 emissions in society.

(*) are all companies in which ENEOS Innovation Partners, LLC has invested. ENEOS Innovation Partners is a corporate venture capital operated by the ENEOS Group.

As declared in ENEOS Group Long-Term Vision for 2040, we are striving to create new value through the creation and implementation of innovative businesses as we take on the challenge of achieving both a stable supply of energy and materials and a carbon-neutral society. As part of this effort, we will continue to take on the challenge of developing new technologies and services and contribute to building a sustainable society.

About the ENEOS Group and ENEOS Corporation

Under ENEOS Holdings, Inc. ENEOS Group is Japan's leading energy company with manufacturing and sales facilities throughout the world. The Group has developed businesses in the energy and non-ferrous metals segments, from upstream to downstream. While fulfilling our responsibility of providing a stable supply of energy and materials both now and in the future, we will realize a carbon neutral society through energy transition. This is also a great challenge for mankind, and we, the ENEOS Group, will maximize our corporate value by steadily taking on the challenge.

For more information visit

<https://www.hd.eneos.co.jp/english/>

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