

February 25, 2026
Idemitsu Kosan Co.,Ltd.

MOU signed with Dimensional Energy for a strategic partnership to contribute to a low carbon economy

Idemitsu Americas Holdings Corporation (Headquarters: Houston, Texas, USA, President and CEO: Keitaro Sugihara) and Dimensional Energy, Inc. (CEO: Jason Salfi), a licensor of syngas and synthetic hydrocarbon catalyst technology capable of converting any carbonaceous feedstock into high-performance hydrocarbons, have signed a Memorandum of Understanding (MOU) to advance a comprehensive strategic collaboration aimed at developing a low carbon business model in North America.

Leveraging each company's technological expertise, business assets, and regional networks, both parties seek to create new value that contributes to betterment of the environment and sustainable development of the society and economy of the Americas. Under this MOU, the companies will jointly explore and promote diverse business opportunities with low carbon products such as naphtha, diesel, SAF, and base oil across North America.

At the same time, Idemitsu Americas Holdings and Dimensional Energy have signed a technical collaboration agreement in which Idemitsu will evaluate qualities of base oil converting carbon dioxide, produced by Dimensional's Technology Demonstration Center in Tucson, Arizona. In this feasibility study, Idemitsu will confirm factors such as its performance and environmental value for practical application and diffusion in the global lubricants market.

In addition, Idemitsu will move forward with feasibility studies on producing low carbon plastics using a mass-balance approach by processing carbon dioxide derived naphtha at its refineries and complexes in Japan, with the aim of establishing a production and supply system for these low carbon basic chemicals in the Asian market.



Plant site in Tucson, Arizona

■ Comment from Idemitsu Americas Holdings President and CEO Keitaro Sugihara
Dimensional Energy's unique catalyst technology contributes to the realization of stable energy supply for a low-carbon economy. Through this strategic partnership, we will work closely with the Dimensional team to examine the business feasibility of various low carbon products in a comprehensive business model centered on North America and involving various internal and external stakeholders.

■ Comment from Dimensional Energy CEO & co-Founder Jason Salfi
At Dimensional Energy, we are remaking the hydrocarbon economy from the molecule up through our advanced catalyst technologies. Together with Idemitsu, we will scale North American capacity to deliver innovative, clean hydrocarbons that integrate seamlessly into existing applications, lowering carbon intensity and environmental impact without sacrificing performance or reliability. This long-term, aligned collaboration is essential to deliver the products we all need for a cleaner, brighter future.

■ About Dimensional Energy
Dimensional Energy licenses proprietary catalyst technologies with select services that derisk and scale distributed production of syngas and synthetic hydrocarbons. The most trusted partner for small to mid-size projects, Dimensional's DEFT™ Fischer-Tropsch catalyst technology converts any carbonaceous feedstock into high-performance molecules for a wide range of sustainable fuels and products, closing the carbon loop, reducing overreliance on fossil fuels, and supporting regional energy security.

www.dimensionalenergy.com



Site visit in Richmond, British Columbia

~ Contact for Inquiries on this subject ~

Idemitsu Kosan Co.,Ltd., Public Relations Department Public Relations Section

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