

## **Idemitsu invests in INERATEC to participate in e-Fuel roll-out**

### **Partnership underscores INERATEC's ambition in the Japanese market and advances modular, drop-in e-Fuels for a carbon-neutral future**

**Karlsruhe, Germany, 30<sup>th</sup> of October 2025 – Japanese oil and gas company Idemitsu Kosan Co.,Ltd. ("Idemitsu") has invested in INERATEC. INERATEC delivers Power-to-X plants, equipped with proprietary e-Fuel synthesis and upgrading technology.**

Idemitsu Kosan is committed to realizing a carbon-neutral society by 2050. The company has recognized the strategic impact of synthetic fuel technologies and has been actively exploring business opportunities. INERATEC operates Europe's largest e-Fuel plant and is at the forefront of modular, efficient synthetic fuel production. The two partners will work together to explore opportunities to accelerate drop-in e-Fuel solutions for aviation, shipping, and other mobility sectors. This paves the way for INERATEC's entry into the Japanese market, where synthetic fuels are gaining strategic importance as part of Japan's decarbonization roadmap.

### **Drop-in e-Fuels produced with modular technology**

INERATEC's proprietary microstructured reactor technology forms the core of its Power-to-Liquid platform. Renewable hydrogen and biogenic CO<sub>2</sub> are converted into synthetic hydrocarbons via the patented Reverse Water-Gas Shift (RWGS) and Fischer-Tropsch (FT) synthesis. The reactor design enables exceptional heat transfer and precise temperature control, significantly enhancing efficiency, yield and load flexibility compared to conventional systems.

INERATEC's modular plant design translates these advantages into scalable, modular production units that can be installed directly at renewable energy and CO<sub>2</sub> sources. The modular concept reduces time to market, faster ramp-up as well as lower CAPEX and OPEX.

The collaboration combines Idemitsu's market access and energy expertise with INERATEC's proven Power-to-Liquid technology (pictured: ERA ONE by INERATEC, Europe's largest operational e-Fuel plant using via FT). Together, both companies aim to establish cost-efficient, scalable e-Fuel supply chains in Japan and other key markets – accelerating the transition to a carbon-neutral future.



ERA ONE: INERATEC's pioneering Power-to-Liquid plant producing e-Fuels in Frankfurt, Germany. © INERATEC

**Idemitsu Kosan Co.,Ltd. ("Idemitsu")** is a Japanese oil and gas company, based in Tokyo Japan, that seeks collaboration with strategic partners in innovative low carbon energy and advanced material technologies that contribute to the realization of a sustainable carbon-neutral and circular society. Idemitsu invests in innovative technologies through its Corporate Venture Capital group

**INERATEC** is committed to defossilizing and decarbonizing the world. The company produces e-Fuels and e-Chemicals: carbon-neutral fossil fuel substitutes for use in the aviation, shipping and chemical industries. Its modular, scalable plants use renewable hydrogen and biogenic CO<sub>2</sub> to produce synthetic kerosene, gasoline, diesel and waxes. The company is based in Karlsruhe, Germany, and backed by a broad range of high-profile international investors. More information on [www.ineratec.com](http://www.ineratec.com)

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