

## **Sulzer to provide BioFlux™ technology for SEDC Energy sustainable aviation fuel plant in Malaysia**

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SEDC Energy (SEDCE) is collaborating with Sulzer Chemtech to deploy its proprietary BioFlux technology at Sarawak's upcoming Sustainable Aviation Fuel (SAF) pilot plant. The facility will convert locally sourced HEFA (Hydroprocessed Esters and Fatty Acids) feedstocks – including algae oil, palm oil mill effluent (POME), animal fats and used cooking oil (UCO) – into SAF.

Sulzer will support SEDCE throughout the project, including process design engineering, detailed design, and modular plant supply. Once construction is complete, it will also deliver commissioning, and startup services. Sulzer's involvement marks a key milestone in advancing sustainable aviation across Southeast Asia.

The project supports SEDCE's initiatives to strengthen Sarawak's global standing in emerging energy sectors and the downstream oil and gas industry. SEDCE is spearheading the development of this comprehensive new energy ecosystem to foster a greener, more sustainable future for the state.

BioFlux technology, developed by Duke Technologies LLC in the United States and globally licensed by Sulzer Chemtech, features a proprietary liquid-full reactor design that optimizes hydrogen availability and eliminates the need for a vapor recycle loop. This unique configuration, combined with advanced catalyst innovations, enhances yield, extends catalyst life, and significantly reduces production costs.

“Our partnership with Sulzer Chemtech represents a major step toward realising the vision of a sustainable energy future in Sarawak,” said Robert Hardin, Chief Executive Officer for SEDCE. “With advanced technologies like BioFlux, we are tapping into the potential of our local resources to produce world-class sustainable aviation fuel.”

Ilja Mikenberg, Global Head Process Solutions at Sulzer Chemtech added: “We are proud to support SEDCE on this landmark SAF project. Our BioFlux technology offers a high-performance, low-emissions solution that aligns with both environmental goals and long-term operational efficiency.”

**Image caption:****Image from left to right:**

Ilja Mikenberg, Global Head Process Solutions, Sulzer Chemtech

Robert Hardin, CEO of SEDCE

Tan Sri Datuk Amar (Dr) Haji Abdul Aziz bin Dato Haji Husain, Chairman of SEDC

Datuk Dr. Haji Hazland bin Haji Abang Hipni, Deputy Minister MEESty (Ministry of Energy and Environmental Sustainability Sarawak)

Henry Yong, CEO Oiltek

Chris Chen, Managing Director Apeiron Bioenergy

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## About Sulzer

Sulzer is a global leader in critical applications for core infrastructure and processes for large essential industries around the world. We ensure the security, quality and durability of critical goods and services by supporting energy security, natural resource management and efficiencies in process industries. This in turn supports the transition to a circular economy. Our integrated solutions add significant value by enabling energy efficiency, carbon emissions and pollution reduction, and process efficiency improvements. Customers benefit from our commitment to innovation, performance and quality through our responsive network of 160 world-class manufacturing facilities and service centers across the globe. Sulzer has been headquartered in Winterthur, Switzerland, since 1834. In 2024, our 13'500 employees delivered revenues of CHF 3.5 billion. Our shares are traded on the SIX Swiss Exchange (SIX: SUN). [www.sulzer.com](https://www.sulzer.com)

The Chemtech division is the global market leader in innovative mass transfer, static mixing and polymer solutions for chemicals, petrochemicals, refining and LNG. We are steering the way in ecological solutions such as bio-based chemicals, polymers and fuels, recycling technologies for textiles and plastic as well as carbon capture and utilization/storage, contributing to a circular and sustainable economy. Our product offering ranges from process components to complete process plants and technology licensing.

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