

Cost effective sustainable fuel production

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Benchmarking Market Report highlights cost-leadership of Sulzer Chemtech BioFlux Process Technology for Renewable Fuels production

BioFlux® process technology for renewable fuel production, developed by Duke Technologies and licensed globally by Sulzer Chemtech (GTC Technology), has been recognized for its leading cost-effectiveness and competitiveness by NexantECA's latest report. The acknowledgment attests to Sulzer Chemtech's prominent role and commitment in driving the industry-wide adoption of greener practices and renewable resources.

The independent techno-economic report from NexantECA [‘Biorenewable Insights - Hydrogenated Vegetable Oil \(HVO\)’](#) provides an overview of the major licensed technologies for the production of fuels by hydrotreating vegetable oils. The document estimates that BioFlux is one of the top two hydrotreating solutions for producing HVO and/or Sustainable Aviation Fuel (SAF) when it comes to cost-effectiveness.

The BioFlux technology's advantages lead to both lower capital expenditures (CAPEX) and operational expenses (OPEX) from users, independent of the geographical location. One key feature of BioFlux that makes hydrotreating of bio-feedstocks particularly economical is its unique design using a liquid full reactor, which maximizes hydrogen availability while eliminating the need for a separate vapor recycle loop.

In addition to a number of successful BioFlux installations, Sulzer Chemtech has a proven track record of implementing value-adding sustainable manufacturing technologies that enable circular, low-carbon operations and products. Matthew Viergutz, Head of GTC in the Clean Fuels and Chemicals Licensing business at Sulzer Chemtech, comments: “It is a duty for technology providers to help companies transition towards more eco-conscious practices by offering affordable yet high-quality solutions. Only in this way, it is possible for industry players to benefit from quick returns on investment.

“The results from NexantECA’s independent report clearly showcase how Sulzer Chemtech is succeeding in this goal, offering its customers best-in-class process technologies. We look forward to supporting customers worldwide in the implementation of BioFlux and other game-changing technologies.”

About BioFlux®

BioFlux® is a registered trademark of Duke Technologies, LLC. Sulzer Chemtech (GTC Technology) licenses the BioFlux® technology and provides engineering services for the process under a technology and business cooperation agreement.

Image captions:



Image 1: Cost effective sustainable fuel production
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About Sulzer

Sulzer is a global leader in fluid engineering. We specialize in pumping, agitation, mixing, separation and application technologies for fluids of all types. Our customers benefit from our commitment to innovation, performance and quality and from our responsive network of 180 world-class manufacturing facilities and service centers across the globe. Sulzer has been headquartered in Winterthur, Switzerland, since 1834. In 2021, our 13'800 employees delivered revenues of CHF 3.2 billion. Our shares are traded on the SIX Swiss Exchange (SIX: SUN).

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.

Visit our LinkedIn channel at www.linkedin.com/showcase/sulzer-chemtech for exciting updates and more!

www.sulzer.com

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