

Zeroing in on a sustainable tomorrow

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Sulzer's new licensing technologies help eliminate plastic waste and industrial emissions

Sulzer Chemtech is launching a portfolio of licensing technologies to enable carbon-neutral polymer recycling. The solutions address rising demand for a more eco-conscious, circular economy of plastic and for the decarbonization of industries as a whole.

The latest addition to the licensing offering from Sulzer Chemtech leverages the company's extensive experience in efficient separation and mixing technologies to meet growing carbon net zero and zero waste needs. The portfolio includes technologies for the chemical processing of hard-to-recycle mixed plastic waste as well as capture and utilization (CCUS) of the carbon-rich emissions generated by the recycling stages.

The different processes are fully scalable and can be implemented as a fully integrated system that uses mixed plastic waste as feedstock to produce high-quality products such as petrochemicals, hydrogen and captured carbon dioxide for downstream activities. Alternatively, the technologies can be adopted as stand-alone solutions within existing facilities.

Each single technology within the portfolio is designed to minimize energy requirements while maximizing performance and service life, reducing their operational costs and environmental footprint. Furthermore, Sulzer Chemtech is

able to deliver customized setups to accommodate feedstock variability and specific processing needs, thanks to its large-scale testing facilities that can mimic commercial plants.

The latest technology licensing offering complements Sulzer Chemtech's existing plastic recycling and CCUS portfolio. Backed by its expertise in the processing industry, Sulzer develops partnerships such as with Blue Planet, a leading carbon capture company in the USA, to support a wide range of applications in a variety of sectors, including decarbonization of the concrete industry.

Matthew Viergutz, Global Head of Clean Fuels and Chemical Licensing at Sulzer Chemtech, comments: "We are thrilled to offer our customers innovative, reliable and effective licensing technology packages that help drive more sustainable practices. Project developers can now use otherwise unusable pollutants of no value and turn them into valuable resources, supporting circularity and decarbonization efforts. We look forward to working closely with customers and our partners to implement these solutions within our customers' facilities across the world."

Image captions:

Image 1: Sulzer Chemtech is launching a portfolio of licensing technologies to enable carbon-neutral polymer recycling. (shutterstock_419263519)



Image 2: Sulzer Chemtech's latest solution combines technologies for the processing of hard-to-recycle mixed plastic waste with capture and utilization (CCUS) to cut the emissions generated by recycling. (shutterstock_2149480407)

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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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