

Sulzer technology enables circular gas production plant in the Alps

09 November 2023

Sulzer's mass transfer technologies are being leveraged by Messer, the world's largest privately owned industrial gas specialist, in collaboration with a manufacturer of inorganic chemicals to enable innovative carbon capture and utilization (CCU) at a plant in Landeck, Austria. The CO₂ capture unit will rely on Sulzer Chemtech's carbon capture technology to capture more than 50,000 tons of CO₂ per year, which will be re-used in the food & beverage industry and by other companies from nearby regions.

Messer and its business partner are collaborating to convert carbon emissions resulting from calcium carbide production into valuable feedstock for food & beverages, greenhouse fertilizers and fire extinguishers. The selected carbon capture technology for flue gas and post combustion CO₂ capture, OASE® blue from BASF, utilizes Sulzer Chemtech's carbon capture products, which are designed to address the specific needs of carbon capture applications while offering maximum CO₂ capture rates in combination with low energy demand.

Sulzer Chemtech Division President Uwe Boltersdorf says: "We appreciate our customers' needs to remain competitive as they strive to deliver sustainable products and processes – which is why we work to maximize efficiency, performance, and productivity by default. This is how we ensure our range of mass transfer components enable businesses worldwide to adopt more sustainable practices."

Dr. Tarek El Hawary, CTO at Messer SE & Co. KGaA, comments: “Our know-how in plant engineering in combination with the BASF OASE® Blue technology and Sulzer Chemtech's products enables Messer, in a strong technological network, to produce environmentally friendly and economical products that make carbon dioxide reusable for other purposes.”

Image captions:



Image 1: Sulzer's technology will enable circular gas production at a plant in the Alps (shutterstock 1073412512)

The image(s) distributed with this press release are for Editorial use only and are subject to copyright. The image(s) may only be used to accompany the press release mentioned here, no other use is permitted.

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

Press contact:

Sulzer Chemtech Ltd.

Dorota Zoldosova

Head of Marketing and Communications

Tel.: +41 52 262 37 22

dorota.zoldosova@sulzer.com

PR agency:

DMA Europa

Brittany Kennan

Progress House, Great Western Avenue, Worcester,
WR5 1AQ, UK

Tel.: +44 (0) 1905 917477

brittany.kennan@dmaeuropa.com

news.dmaeuropa.com