

Sulzer launches VoltaSplit™ - an electrified distillation solution to improve energy efficiency and enable carbon emission reductions

30 September 2024

Sulzer is proud to announce the global launch of VoltaSplit, its new electrified distillation solution that significantly enhances energy efficiency while enabling the reduction of direct CO₂ emissions. Relying on electricity in lieu of traditional energy-intensive steam boilers, VoltaSplit reduces the direct CO₂ emissions of distillation units by up to 90%. This in turn enables process industries to meet regulatory requirements, improve operational performance and reduce their long-term environmental impact.

Distillation is a cornerstone process in numerous industries, yet it is traditionally characterized by high energy consumption. Conventional distillation systems often rely on on-site steam boilers powered by carbon-intensive fossil fuels, contributing substantially to the greenhouse gas (GHG) emissions of refinery and chemical complexes and to the carbon footprint of chemical products, fuels and solvents.

Designed to drastically reduce the energy consumed by distillation plants and the associated CO₂ emissions, VoltaSplit has been proven to increase the efficient use of energy and to greatly reduce operational costs by cutting energy requirements up to 20 times compared to traditional solutions like electric reboilers.

Sulzer's innovative approach uses electricity as its single power source to run distillation units, enabling process industries to decrease the energy they require. Moreover, it permits them to shift to renewable energy when available without any

major investment in new infrastructure. In this manner, VoltaSplit™ is setting new standards for distillation by offering a more sustainable and cost-effective solution.

Sulzer Executive Chairwoman Suzanne Thoma concludes: “At Sulzer, we strive to deliver process solutions that create significant value for our customers. We’re proud to offer a solution that drives efficiency while actively contributing to the reduction of global emissions, both of which are key concerns for industrial operators today. With the launch of VoltaSplit, we aim to speed up the global adoption of transformative technology that enables essential industries to produce at lower costs while saving on GHG emissions.”

VoltaSplit is available worldwide. To learn more about how VoltaSplit can optimize your plant’s energy efficiency and assist with your sustainability goals, visit our website [here](#) or contact us directly at voltasplit@sulzer.com.

Image captions:

Image 1: By using electricity rather than energy-intensive steam boilers, VoltaSplit reduces the direct CO₂ emissions of distillation units by up to 90%.

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About Sulzer

Sulzer is a global leader in fluid engineering and chemical processing applications. We specialize in energy-efficient pumping, agitation, mixing, separation, purification, crystallization and polymerization technologies for fluids of all types. Our solutions enable carbon emission reductions, development of polymers from biological sources, recycling of plastic waste and textiles, and efficient power storage. Our 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 2023, our 13'130 employees delivered revenues of CHF 3.3 billion. Our shares are traded on the SIX Swiss Exchange (SIX: SUN). 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.

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

www.sulzer.com

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