MEDIA RELEASE

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Sulzer enabling carbon capture at world's first large-scale fossil-fueled power plant to use Carbon Capture and Storage technology

Sulzer mass transfer equipment is capturing hundreds of thousands of tonnes of carbon dioxide (CO_2) emissions per year at SaskPower's coal-fired Boundary Dam Power Station plant in Canada. The equipment is used to separate the CO_2 from the other flue gases, enabling the majority of the CO_2 emissions to be captured. The captured CO_2 is used in part to support enhanced oil recovery (EOR) at local oil fields, improving circular practices. What is not used for EOR is permanently sequestered.

As the world's first large-scale carbon capture operation, the coal-fueled power plant elected to use Sulzer's mass transfer components and rely on the company's extensive experience in capturing CO_2. Prior to implementing carbon capture technology, the conventional coal-fired power plant was emitting approximately 1.3 million tonnes of CO_2 each year. Today, the facility continues to generate enough electricity to power approximately 100'000 Canadian homes while significantly reducing overall emissions from the plant.

Beginning 2025, carbon capture at the Boundary Dam power plant will rely on Sulzer's cutting-edge technology, MellapakCC™ and MellaTech™, which has been developed to deliver maximum capture efficiency at the lowest specific pressure drop. This results in lower energy consumption, offering significant gains in overall performance. With the local cost of electricity at approximately 20 Canadian cents per kWh, a pressure drop reduction of 10 mbar can save nearly CAD$ 500'000 annually for a 115 MW coal-fired power station.

Sulzer's Executive Chairwoman Suzanne Thoma said: "As governments, industry and local communities around the world strive to reduce emissions, they are still challenged to meet the energy demands of their communities. Our solutions serve to bridge these competing requirements by reducing emissions, enabling recycling and circularity, and improving operational efficiency."

Sulzer is a global leader in critical applications for core infrastructure and processes for large essential industries around the world. We ensure the security and quality of critical goods and services, as well as the transition to a circular economy, by supporting energy security, natural resource management and efficiencies in process industries. 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 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

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