

April 25, 2024

## **Sulzer to support America's first blue hydrogen facility at scale**

**Sulzer will supply two customized hydraulic power recovery turbines (HPRTs) to a leading global engineering company specializing in industrial gases for a new purpose-built blue hydrogen plant in Texas. The Sulzer HPRTs will significantly improve the plant's operational efficiency and reduce the energy consumption of its carbon capture system. The gas engineering specialist will build and operate its hydrogen plant adjacent to a blue ammonia manufacturing facility to which it will supply clean hydrogen when operations commence in 2025.**

Though hydrogen is natural and abundant, hydrogen production from natural gas typically emits large volumes of carbon dioxide (CO<sub>2</sub>). To prevent these emissions, the operator is integrating an energy-intensive carbon capture system at its plant and using Sulzer's flow equipment to effectively recover and reuse the energy, which will significantly improve its operational efficiencies and ecological footprint.

Sulzer will design, manufacture and deliver two pump-turbine skids to support the seamless integration of the two HPRTs, including a backup pump for each skid. The two pump trains serve the same application and need to work in parallel, making pump reliability a key requirement. Due to limited space at the plant, however, design was also critical. The skids needed to be precisely engineered to accommodate the available infrastructure, and this required considerable engineering expertise. Sulzer was awarded the contract based on its deep experience and proven track record. Its ability to test the skids under rated conditions before installation was another distinct advantage.

Sulzer's Flow Equipment Division President Jan Lueder said: "This project clearly demonstrates the need for innovation, partnership and collaboration in addressing the challenges of energy scarcity, efficiency and circularity. We are pleased to draw on our pump expertise to enable maximum efficiency and reliability in support of blue hydrogen production – and sustainable economic growth."

*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](http://www.sulzer.com)*

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