

TOTALENERGIES ACHIEVES EMISSION REDUCTION GOALS AS BELCO[®] GAS CLEANING TECHNOLOGY GOES LIVE IN ANTWERP

Installation of Second BELCO[®] SOx Scrubber Advances Sustainability Commitment at Major Refinery

ST. LOUIS, MISSOURI, July 14, 2026 - Elessent Clean Technologies (Elessent) is pleased to announce the successful commissioning of its BELCO[®] integrated gas cleaning system at the TotalEnergies refinery in Antwerp, Belgium. The new SOx scrubber entered operation on December 8 and is already significantly reducing sulfur oxide emissions from the refinery complex, reinforcing both companies' commitments to environmental stewardship and regulatory compliance.

This installation marks the second BELCO[®] SOx scrubber at the Antwerp site. By treating flue gases from the refinery's catalytic cracker, BELCO[®] technology supports effective sulfur removal in the purification unit. With this additional scrubber in service, TotalEnergies has reduced annual SOx emissions in alignment with requirements set by regulatory authorities as part of the facility's reauthorization.

"In perspective of our long-term ambition, we are taking a giant step in making our Antwerp site more sustainable with this brand-new SOx scrubber," said Ann Veraverbeke, Managing Director of TotalEnergies Antwerpen.

This milestone represents the culmination of a highly coordinated effort delivered safely, on schedule, and to the highest quality standards. Through close collaboration during construction and commissioning, teams from TotalEnergies and Elessent successfully brought the unit online, reinforcing confidence in the refinery's long-term development plans.

"The successful startup of this second BELCO[®] SOx scrubber at Antwerp reinforces the value our technology continues to provide to refiners around the world," said Samantha Presley, VP Cleaner Refining, Elessent Clean Technologies. "We appreciate the trust TotalEnergies has placed in Elessent and are proud to support their emissions reduction strategy with proven, high-performance gas cleaning solutions."

BELCO[®] technologies covers a complete range of gas cleaning technologies for industrial applications including the BELCO[®] wet scrubber, SHELL third stage separator (TSS), and NOx reduction



technologies. These technologies reliably control particulate, SO_x and NO_x emissions to the most stringent regulatory requirements. BELCO® wet scrubbing technology is the global standard for limiting flue gas emissions from oil refinery fluid catalytic cracking units (FCCUs), fluid cokers, fired heaters, and boilers using a unique, single up flow tower with robust, non-plugging features. The BELCO® wet scrubbing technology is the world leading FCCU flue gas emissions control technology with more than 150 licensed units worldwide. It is also the top choice for pre-cleaning and cooling hot dirty flue gas streams ahead of carbon capture units (CCUs) for CO₂ reduction. The SHELL TSS technology provides protection from particulates for FCCU turbo expanders and can meet regulatory particulate emission requirements. Used across multiple industries, the NO_x reduction technology uses a simple ozone oxidization process that converts NO_x to water soluble compounds that are easily removed with wet scrubbing. Learn more at BELCO.ElessentCT.com.



About Elessent Clean Technologies

Elessent Clean Technologies is a leading source of solutions for decarbonizing the industrial manufacturing sector and transitioning the industry to a sustainable future. Our clean technology solutions minimize environmental impact and optimize productivity while remaining cost competitive. As a responsible supplier and partner to the metal, fertilizer, chemical, petrochemical and oil refining industries, our technology portfolio includes MECS[®] sulfuric acid production, STRATCO[®] alkylation, BELCO[®] wet scrubbing and IsoTherming[®] hydroprocessing. Offering critical process equipment, products, technology and services, we are dedicated to helping our customers produce high-quality, cleaner products for the world. Learn more at www.ElessentCT.com or connect with us on LinkedIn.

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