

## Press release

Stockholm, March 9, 2023

# Essity first to produce tissue in a CO<sub>2</sub>-free production process using renewable hydrogen

Hygiene and health company Essity has made another breakthrough on its journey to net-zero emissions by 2050. In a recently concluded pilot, Essity became the first company in the industry to produce tissue in a CO<sub>2</sub> emission-free production process using renewable hydrogen at its production facility in Mainz-Kostheim, Germany.

Essity initiated the pilot for CO<sub>2</sub>-free tissue production in the second half of 2021. The pilot, encompassing efficiency programs and electrification through renewable energy, used hydrogen as a final building block to replace natural gas in the hood dryer of the papermaking process. As a result, Essity has successfully achieved a CO<sub>2</sub>-free production process for tissue.

“With this initiative, we have become the first in the world to use renewable hydrogen for tissue production. This is a major milestone in our ambitious climate agenda and a big step toward a decarbonized society. We are creating a sustainable process that is setting a new benchmark for the industry,” says Donato Giorgio, President of Global Supply Chain at Essity.

Up until now, the paper drying process has relied on natural gas to achieve the required high temperatures of 600 degrees Celsius. Renewable energy has not been a viable alternative in this part of the process. By using hydrogen in the drying process, Essity has demonstrated that energy-intensive production processes can also become CO<sub>2</sub> emission-free. The company aims to continue applying breakthrough technologies to significantly reduce its environmental footprint.

Essity's plant in Mainz-Kostheim has a strong focus on sustainability and circularity, transforming recycled paper into high-quality tissue, marketed under the company's leading Tork brand. A total of 152,000 tons of tissue are produced at the production facility each year.

Read more about Essity's journey to net zero [here](#).

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### About Essity

Essity is a leading global hygiene and health company. We are dedicated to improving well-being through our products and services. Sales are conducted in approximately 150 countries under the leading global brands TENA and Tork, and other strong brands, such as Actimove, JOBST, Knix, Leukoplast, Libero, Libresse, Lotus, Modibodi, Nosotras, Saba, TOM Organic, Tempo, Vinda and Zewa. Essity has about 48,000 employees. Net sales in 2022 amounted to approximately SEK 156bn (EUR 15bn). The company's headquarters is located in Stockholm, Sweden, and Essity is listed on Nasdaq Stockholm. Essity breaks barriers to well-being and contributes to a healthy, sustainable and circular society. More information at [www.essity.com](http://www.essity.com).

