



PRESS RELEASE

ANDRITZ to design carbon capture plant for Westenergy, Finland

GRAZ, JULY 24, 2024. International technology group ANDRITZ has been selected to perform the front-end engineering design (FEED) for a large-scale carbon capture unit for Westenergy's waste-to-energy plant in Mustasaari, Finland. This project will make a significant contribution to decarbonization and the circular economy.

The order was received from ECCU Ltd, a joint venture of Westenergy Ltd, CPC Finland Oy and funds managed by Prime Capital AG. The aim is to capture all the carbon dioxide from the flue gases of the Mustasaari waste-to-energy plant, which produces district heating and electricity from sorted, non-recyclable municipal waste. The captured carbon dioxide will be liquefied, and a large portion will be made available to produce carbon-neutral synthetic e-fuels.

As the FEED contractor, ANDRITZ will refine the carbon capture plant concept and prepare the design documentation as a basis for the joint venture's final investment decision. The concept will place a focus on the optimal integration of the carbon capture process into the waste-to-energy plant to maximize the utilization of available heat and the reuse of residues in a closed loop.

"The FEED phase is critical to the implementation of our decarbonization project, which will help us take a significant step towards a more sustainable future. We are pleased to partner with ANDRITZ, whose technical expertise, proactive approach, and full life cycle services have impressed us," said Olli Alhoniemi, Managing Director of Westenergy.

"We are grateful for the trust the customer has placed in us and honored to contribute to this groundbreaking project," added Harald Reissner, Senior Vice President of ANDRITZ Clean Air Technologies. *"This initiative aligns perfectly with our commitment to support our customers with innovative technologies for the green transition."*

The joint venture plans to decide on the implementation of the project in early 2025.

The carbon captured at Westenergy's plant would be supplied to a power-to-x plant planned to be built in Kristinestad, Finland, to produce synthetic e-fuel from green hydrogen and carbon dioxide. ANDRITZ also provided the FEED for the green hydrogen plant for the Kristinestad project.

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Westenergy's waste-to-energy plant in Mustasaari, Finland



Preview of plant including carbon capture unit

PRESS RELEASE AND IMAGES AVAILABLE FOR DOWNLOAD

The press release and image are available for download at andritz.com/news. The images may be published free of charge if the source is stated: "Image: WESTENERGY".

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ANDRITZ GROUP

International technology group ANDRITZ offers a broad portfolio of innovative plants, equipment, systems, services and digital solutions for a wide range of industries and end markets. Sustainability is an integral part of the company's business strategy and corporate culture. With its extensive portfolio of sustainable products and solutions, ANDRITZ aims to make the greatest possible contribution to a sustainable future and help its customers achieve their sustainability goals. ANDRITZ is a global market leader in all four of its business areas – Pulp & Paper, Metals, Hydropower and Environment & Energy. Technological leadership and global presence are cornerstones of the group's strategy, which is focused on long-term profitable growth. The publicly listed group has around 30,000 employees and over 280 locations in more than 80 countries.

ANDRITZ ENVIRONMENT & ENERGY

ANDRITZ Environment & Energy is committed to environmental responsibility and offers a broad range of technologies focusing on sustainable solutions for various industries. The extensive product portfolio includes technologies for the production of green hydrogen and renewable fuels, for carbon capture and emission reduction, mechanical and thermal solid/liquid separation, grinding, pelletizing, and for pumping fluids. Complemented by cutting-edge automation and digitalization as well as comprehensive services, they enable efficient and innovative solutions in processes such as water and wastewater management, recycling, waste/sludge-to-value, resource-saving battery-related mining, desalination, feed and food valorization, air emission reduction and P2X.