



PRESS RELEASE

ANDRITZ to supply world's largest lignin production system to Södra pulp mill in Sweden

GRAZ, JULY 3, 2024. Swedish forest industry group Södra has selected international technology group ANDRITZ to supply a complete solution for kraft lignin production to its Mönsterås pulp mill in Sweden. This major investment marks Södra's entry into the lignin market as part of its strategy to make the most of the wood used in pulp production. This will be the first commercial kraft lignin plant in Sweden and the largest in the world.

Kraft lignin is a by-product of pulp production for paper. Today it is used in pulp mills to generate energy. However, it can also be used as a renewable resource to replace fossil-based materials in the chemical industry or form the basis for new biofuels.

"This investment means a lot for Södra and for our kraft pulp mill in Mönsterås. We will make more out of every tree and strengthen our profitability. This is a big investment for Södra and the green transition," says Karin Dernegård, Mill Manager at Södra Cell Mönsterås.

ANDRITZ will supply a system to recover the lignin contained in the black liquor from the pulping process, making it available to Södra as a saleable product. The scope of supply will also include supporting systems that improve the mill's environmental performance and ensure full integration of lignin recovery into the existing operations.

The system will be based on the innovative ANDRITZ LignaRec™ lignin recovery process. The lignin drying section, equipped with flash dryer technology, will further process the kraft lignin, ensuring a top-quality product. The integration of the LignaRec process into the Mönsterås pulp mill will be completed by the installation of an ANDRITZ SulfoLoop™ sulfuric acid plant. This plant enables the closure of the sulfur loop, avoiding the purge of sulfate streams even after lignin recovery is implemented.

Lignin and sulfur recovery solutions are part of ANDRITZ's CircleToZero initiative, which aims to maximize the use of side streams in pulp mills, laying the foundation for zero emissions and zero waste production. With the new order, Södra continues its collaboration with ANDRITZ on the reuse of side streams. The company already operates an ANDRITZ Kraftanol™ biomethanol plant at its Mönsterås mill. This plant is the first of its kind in the world to convert by-products of pulp production into purified biomethanol.





“We are very pleased that Södra has once again placed its trust in us to implement a first-of-its-kind solution that supports the green transition and at the same time opens up new business opportunities,” says Joachim Schönbeck, President and CEO of ANDRITZ.

Södra’s lignin production plant is scheduled to start up in 2027 and is enabled through the Swedish Energy Agency and The Industrial Leap via NextGenerationEU.

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PRESS RELEASE AVAILABLE FOR DOWNLOAD

The press release is available for download at andritz.com/news.

FOR FURTHER INFORMATION, PLEASE CONTACT

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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 PULP & PAPER

ANDRITZ Pulp & Paper provides sustainable technology, automation, and service solutions for the production of all types of pulp, paper, board and tissue. The technologies and services focus on increased production efficiency, lower overall operating costs as well as innovative decarbonization strategies and autonomous plant operation.

The product portfolio also includes boilers for power generation, various nonwoven technologies, and panelboard (MDF) production systems. With waste-to-value recycling, shredding and energy solutions, waste and by-product streams from production are converted into valuable secondary raw materials as well as into sustainable resources for energy generation. State-of-the-art IIoT technologies as part of Metris digitalization solutions complete the comprehensive product offering.