



PRESS RELEASE

ANDRITZ to supply a complete pulp mill to Suzano in Brazil

GRAZ, NOVEMBER 9, 2021. International technology group ANDRITZ has received an order from the Brazilian pulp producer Suzano to deliver state-of-the-art and resource-efficient technologies for all main process islands in the fiber production and chemical recovery plant, for its Cerrado project in the municipality of Ribas do Rio Pardo, state of Mato Grosso do Sul, Brazil. Start-up is scheduled for the second half of 2024.

With an annual production capacity of 2.55 million tons, Cerrado will be the world's largest plant with a single eucalyptus pulp production line. Civil construction, installation, commissioning, and start-up services are also included in the ANDRITZ scope of supply.

With this order, ANDRITZ is once again demonstrating its strong global position in the supply of state-of-the-art and environmentally friendly chemical pulp mill technologies on EPCC basis. The proven process technology from ANDRITZ will strongly support Suzano in reaching their financial and sustainability goals.

The ANDRITZ scope of supply includes the following:

- A complete **Wood Processing Plant** with five chipping lines – each consisting of the world's biggest horizontally fed HHQ-Chipper with a capacity of 500 m³ solid-under-bark per hour. The ANDRITZ HHQ-Chipper ensures highest and most uniform chip quality, thus significantly increasing fiber yield in both woodyard and fiberline operations. The scope also includes two ANDRITZ 360° stacker-reclaimers, the chip screening system and bark handling with two ANDRITZ BioCrushers, as well as preparation of biomass for both gasification and the power boiler.
- The world's largest single-line **Fiberline** (capacity over 8,000 adt/d), including state-of-the-art LoSolids continuous cooking enabling high pulp yield, efficient heat recovery and unique washing and bleaching technology based on DD-Washers – all contributing towards high-quality pulp, longest operating times, and low chemical consumption, thus minimizing environmental impact.
- An innovative **Pulp Drying System** with two energy-efficient pulp drying lines (working width of 10,005 mm and capacity of 4,000 adt/d each) based on the high-capacity Twin Wire Former technology. Both lines are equipped with a fully automatic, hands-free tail threading system. The drying plant is designed for a specific plant capacity of approximately 400 adt/m, and the final pulp bales are produced in six complete, high-capacity baling lines.





- An energy-efficient black liquor **Evaporation Plant with a** capacity of 2,650 t/h, which has advanced energy integration with the cooking plant and the Ash Recrystallization Plant (ARC). Easy-to-clean lamella heating surfaces ensure high availability and easy operation of the plant. The integrated ARC chlorine removal plant provides high availability and energy efficiency of the recovery boiler, with a high rate of removal for non-process elements in the ESP ash.
- The **HERB Recovery Boiler** with a firing capacity of 11,150 tds/d black liquor, with steam values of 515°C and 100 bar(g) at the turbine, features energy-efficient flue gas cooling and feed water preheating technologies to maximize steam production for power generation. The state-of-the-art HERB Recovery Boiler is designed for extended operating periods. The boiler is equipped with SMART recovery boiler solutions, such as smelt spout cleaning robots and Advanced Control Expert (ACE). With this plant, the mill will be self-sufficient in energy supply and has the capacity to sell approximately 180 MW of surplus green energy to Brazil's power grid.
- A biomass **Power Boiler** with 120 t/h steam production capacity based on the high-performance ANDRITZ EcoFluid Bubbling Fluidized Bed (BFB) technology. The scope of supply includes a biomass-fired boiler with flue gas cleaning and other auxiliary equipment. This Power Boiler also supplies steam for the mill during start-up. The fuels used are bark, debarking wood losses, screening rejects, harvesting residues, and sludges from the mill's wastewater treatment plant. In addition, the new Power Boiler is combined with the Recovery Boiler to form a "Boiler Island", and some of the auxiliary equipment is shared between the two boilers. This provides savings in both investment and operating costs.
- A complete **White Liquor Plant** with ANDRITZ **gasification plants**, enabling full fossil-free operation of the lime kilns with an optimized pulp mill carbon footprint. The new recausticizing plant (25,100 m³/d white liquor production) includes efficient green liquor filtration with LimeGreen filters – producing clean green liquor and minimizing waste to landfill. This new lime kiln plant comprises two lime kilns (940 t/d each) with high-efficiency ANDRITZ LimeCools and ANDRITZ LimeFire multifuel burners. The supply also includes two CFB gasification reactors with biomass handling equipment and two belt dryers.

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FOR FURTHER INFORMATION, PLEASE CONTACT

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ANDRITZ GROUP

International technology group ANDRITZ offers a broad portfolio of innovative plants, equipment, systems and services for the pulp and paper industry, the hydropower sector, the metals processing and forming industry, pumps, solid/liquid separation in the municipal and industrial sectors, as well as animal feed and biomass pelleting. Plants for power generation, flue gas cleaning, recycling, and the production of nonwovens and panelboard complete the global product and service offering. Innovative products and services in the industrial digitalization sector are offered under the brand name Metris and help customers to make their plants more user-friendly, efficient and profitable. The publicly listed group has around 26,800 employees and more than 280 locations in over 40 countries.

ANDRITZ PULP & PAPER

ANDRITZ Pulp & Paper provides equipment, systems, complete plants and services for the production of all types of pulp, paper, board and tissue. The technologies and services focus on maximum utilization of raw materials, increased production efficiency and sustainability as well as lower overall operating costs. Boilers for power generation, flue gas cleaning systems, plants for the production of nonwovens and panelboard (MDF), as well as recycling and shredding solutions for various waste materials also form a part of this business area. State-of-the-art IIoT technologies as part of Metris digitalization solutions complete the comprehensive product offering.