



## PRESS RELEASE

# ANDRITZ to supply major pulp production technologies and key process equipment for ARAUCO's MAPA project in Chile

*GRAZ, OCTOBER 22, 2018.* International technology group ANDRITZ has received an order from Celulosa Arauco y Constitución S.A. to supply energy-efficient and environmentally friendly pulp production technologies and key process equipment for modernization and extension of the ARAUCO pulp mill in Horcones, Arauco, Chile. The order value for ANDRITZ is in the region of 300 million euros; start-up is scheduled for the first quarter of 2021.

The ANDRITZ scope of supply includes – on full EPS (Engineering, Procurement, Supervision) basis:

- A complete **wood processing plant** with three debarking and chipping lines, one chipping line for forest-debarked wood, chip storage with stacker-reclaimer blending bed system, chip screening, bark handling with BioCrushers, and is completed with HQ-Press bark presses that increase dryness of the bark and consequently the energy efficiency and production of the bio mass boiler. Eucalyptus is debarked at a rated capacity of 360 m<sup>3</sup>/h solid over bark per line using RotaBarker technology, which provides excellent debarking results with very low wood losses. The chipping process uses horizontally fed HHQ-Chippers, ensuring high capacity (400 m<sup>3</sup>/h solid under bark) without compromising on chip quality. The operation is supported further by SmartWoodyard products like the advanced decision support information system, ChipperEKG and CrusherEKG condition monitoring systems, and ScanChip chip analyzers for chip quality measurements.
- A complete **fiberline** with a capacity of 4,700 admt/d bleached pulp, including Lo-Solids continuous cooking with TurboFeed chip feeding system, brown stock washing with multistage DD-Washers, 2-stage oxygen delignification followed by deknottting, screening, and multistage DD-Washers. Bleaching is based on proven upflow reactor technology and washing is performed with DD-Washers after every stage, all contributing to low chemical consumption, high-quality pulp, and low environmental emissions.





- An energy-efficient black liquor **evaporation plant** with a high capacity of 1,750 tons/hour. The plant will have a 7+ Effects heat economy system and concentrate black liquor to the high dry solids content of 80% for efficient combustion in the recovery boiler. The plant is equipped with the latest of ANDRITZ's innovations in secondary condensate quality enhancement for 100% reuse in other departments of the mill. The scope also includes a tank area and methanol liquefaction system. ANDRITZ's lamella technology and the unique process solution for scaling control reduces washing needs, ensuring minimum plugging of heat surfaces and good cleanability, which results in high availability and increases the overall production and efficiency of the plant.
- Complete **white liquor plant**, including efficient green liquor filtration with LimeGreen filters – producing clean green liquor and minimizing waste to landfill, white liquor filtration with LimeWhite filter – maximizing the white liquor quality, and efficient lime mud filtration with two LimeDry filters providing high dry solids content and low residual alkaline. The capacity of the recausticizing plant is 15,300 m<sup>3</sup>/d. The delivery also includes two lime kilns (capacity 700 t/d each) with low heat consumption and low emissions to meet Arauco's tight emission permits.

*"During the sales phase, we assessed the capabilities of the company and ANDRITZ demonstrated its competence, commitment and professionalism. Congratulations to the whole ANDRITZ team, who have worked hard, efficiently, and with passion and professionalism for this outcome. We are just starting, but I am sure this will be a great project for all concerned,"* says Franco Bozzalla, Senior VP Pulp and Energy at ARAUCO.

The MAPA project will renew and increase ARAUCO's efficiency and pulp production, and in addition, it will strengthen ARAUCO's competitiveness and leadership in global markets.

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## **FOR FURTHER INFORMATION, PLEASE CONTACT**

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## **ANDRITZ GROUP**

ANDRITZ is a globally leading supplier of plants, equipment, and services for hydropower stations, the pulp and paper industry, the metal working and steel industries, and for solid/liquid separation in the municipal and industrial segments. Other important fields of business are animal feed and biomass pelleting, as well as automation, where ANDRITZ offers a wide range of innovative products and services in the IIoT (Industrial Internet of Things) sector under the brand name of Metris. In addition, the international technology Group is active in power generation (steam boiler plants, biomass power plants, recovery boilers, and gasification plants) and environmental technology (flue gas cleaning plants) and offers equipment for the production of nonwovens, dissolving pulp, and panelboard, as well as recycling plants.

A passion for innovative technology, absolute customer focus, reliability, and integrity are the central values to which ANDRITZ commits. The listed Group is headquartered in Graz, Austria. With over 160 years of experience, 29,000 employees, and more than 280 locations in over 40 countries worldwide, ANDRITZ is a reliable and competent partner and helps its customers to achieve their corporate and sustainability goals.

## **ANDRITZ PULP & PAPER**

ANDRITZ Pulp & Paper is a leading global supplier of complete plants, systems, equipment, and comprehensive services for the production and processing of all types of pulp, paper, board, and tissue. The technologies cover processing of logs, annual fibers, and waste paper; production of chemical pulp, mechanical pulp, and recycled fibers; recovery and reuse of chemicals; preparation of paper machine furnish; production of paper, board, and tissue; sizing, calendering and coating of paper; as well as treatment of reject materials and sludge. The service offering includes system and machine modernization, rebuilds, spare and wear parts, on-site and workshop services, optimization of process performance, maintenance and automation solutions, as well as machine relocation and second-hand equipment. Biomass, steam and recovery boilers for power production, gasification and flue gas cleaning plants, systems and plants for the production of nonwovens, dissolving pulp, and panelboard (MDF), as well as recycling and shredding solutions for various waste materials also form a part of this business area.