Press release

**ANDRITZ successfully starts up Fibria’s new pulp mill in Três Lagoas, Brazil**

**Graz, September 21, 2017.** International technology Group ANDRITZ has completed start-up of key production technologies and equipment for Fibria’s new pulp mill in Três Lagoas, Mato Grosso do Sul, Brazil. All ANDRITZ processes were started up successfully on schedule.

Fibria’s new pulp mill has a production capacity of 1.95 million tons of eucalyptus pulp per year. Combined with the existing mill at Três Lagoas the total production capacity reaches 3.25 million tons per year, thus making Três Lagoas one of the largest pulp production sites in the world.

With this successful EPC delivery and smooth start-up of the equipment, ANDRITZ has once again demonstrated its outstanding technological capabilities and its proven experience in handling very large projects.

ANDRITZ has supplied the following equipment to Fibria’s new pulp mill:

* A complete **wood processing plant** with four chipping lines each consisting of the world’s biggest horizontally fed HHQ-Chippers with a capacity of 400 m3 solid-under-bark per hour. The scope also includes the chip screening station, chip storage with a round pile stacker-reclaimer, which also provides chips to the first pulp production line, and bark handling. The unique HHQ-Chipper contributes towards providing the highest and most uniform chip quality, which significantly increases fiber yield both in woodyard and in fiberline operations.
* A hardwood **fiberline** comprising a chip feed system, LoSolids continuous cooking, screen room and bleaching, and eight DD-Washers, which ensure low operating costs, low emissions, extremely high washing efficiency, and excellent fiber quality. The capacity (6,120 adt/d) is the highest in the world for a single fiberline.
* Two energy-efficient **pulp drying lines** (working width of 8,004 mm and capacity of 3,060 adt/d each) based on the high-capacity Twin Wire Former technology, air borne dryers, cutter-layboy, and five baling lines. The approach system includes a full cascade screening plant and ensures homogeneous pulp feed to the subsequent process stage. The pulp dewatering machine comprises a dilution-controlled headbox, Twin Wire Former, and press section with combi-press and shoe press. The drying plant is designed for a specific plant capacity of more than 380 tons per day and meter of working width, which has been very well proven for ANDRITZ pulp drying plants all over the world. The ANDRITZ airborne dryer is the most energy efficient of its kind. The reliable ANDRITZ cutter-layboy provides the pulp bales to be further processed in the high capacity baling lines, where the final pulp bales are produced.
* The largest black liquor **evaporation plant** in the western hemisphere (evaporation rate 1,950 t/h), which concentrates black liquor to a dry solids content of 80% for efficient combustion in the HERB 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. Furthermore, the evaporation plant is integrated with the recovery boiler, which has an energy-efficient boiler feed water heating system.
* The largest **recovery boiler** in Latin America with a peak capacity of 8,250 tds/d. The ANDRITZ HERB recovery boiler is equipped with state-of-the-art combustion technology to minimize the emissions and maximize green energy production. It is capable of burning and destroying all the harmful non-condensable gases and the methanol produced in other process areas of the mill. The HERB recovery boiler supports and provides steam and power for the complete pulp mill and generates a large electricity surplus, which is to be distributed through the national grid.
* Energy-efficient and largest **white liquor plant** in the world (18,900 m3/d white liquor production), which meets the highest environmental standards and provides top performance and excellent availability under any process conditions. The white liquor plant consists of the single-line recausticizing plant and two lime kilns (840 t/d each), designed to burn oil, natural gas, and syngas.
* In addition, ANDRITZ has delivered a **chloride and potassium removal system** to enhance the chemical recovery process and a liquid methanol plant for production of biofuel.

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▲ ANDRITZ successfully started up a complete pulp mill on schedule for Fibria in Brazil

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◄ Fibria pulp mill by night

**Press release and photo available for download**

Press release and photo are available for download at www.andritz.com/news. The photo may be published free of charge if the source is stated: “Photo: ANDRITZ”.

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**The ANDRITZ GROUP**

ANDRITZ is a globally leading supplier of plants, equipment, and services for hydropower stations, the pulp and paper industry, the metalworking and steel industries, and for solid/liquid separation in the municipal and industrial sectors as well as for animal feed and biomass pelleting. Other important business segments include automation and service business. In addition, the international Group is also active in the power generating sector (steam boiler plants, biomass boilers, recovery boilers, and gasification plants) and in environmental technology (flue gas cleaning plants) and offers equipment for the production of nonwovens, dissolving pulp, and panelboard as well as recycling plants. The publicly listed technology Group is headquartered in Graz, Austria, and has a staff of approximately 25,400 employees. ANDRITZ operates more than 250 sites in over 40 countries.

**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, tissue, and cardboard. The technologies cover the processing of logs, annual fibers, and waste paper; the production of chemical pulp, mechanical pulp, and recycled fibers; the recovery and reuse of chemicals; the preparation of paper machine furnish; the production of paper, tissue, and cardboard; the calendering and coating of paper; as well as the 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, as well as gasification plants for power generation, flue gas cleaning plants, plants for the production of nonwovens, dissolving pulp, and panelboard (MDF), as well as recycling plants are also part of this business area.

**About Fibria**

The world leader in eucalyptus pulp production, Fibria strives to meet – in a sustainable manner – the growing global demand for products from planted forests. With annual pulp production capacity of 7.25 million tons, the company has industrial units located in Aracruz (Espírito Santo state), Jacareí (São Paulo state) and Três Lagoas (Mato Grosso do Sul state), as well as in Eunápolis (Bahia state), where it operates Veracel in a joint operation with Stora Enso. Fibria has 1,056,000 hectares of forests, which include 633,000 hectares of planted forests, 364,000 hectares earmarked for environmental preservation and conservation, and 59,000 hectares allocated for other uses. The pulp produced by Fibria is exported to more than 35 countries and is the raw material for educational, health, hygiene and cleaning products. For more information please visit www.fibria.com