

Bracell's Project STAR: Switching On Demand Between Kraft and Dissolving Pulp

The remit to ANDRITZ was a challenging one; Royal Golden Eagle (RGE) group, owner of Bracell in Brazil, wanted to create the "biggest and the greenest" pulp mill in the world at its Lençóis Paulista mill. This meant that there must be no fossil fuels used in the mill, NOx emissions kept to a minimum, and very low water consumption. Last, but by no means least, RGE wanted a mill that would switch between kraft pulp and dissolving pulp as quickly as possible according to market demand – which is a challenge in itself as the two processes are completely different.

ANDRITZ stepped in to take on the enormous challenge after being awarded the contract in 2019. The order was carried out on an EPC basis, to include engineering, procurement, construction, and civil construction. ANDRITZ scope of supply included the complete wood processing plant, the world's largest recovery boiler, two hardwood fiberlines, two independent pulp drying lines, and the world's largest

non-condensable gas treatment system, focusing on the use of side streams in the recovery cycle.

The mill started up on time just 25 months after the beginning of construction in 2019 and is now one of the world's largest and most sustainable pulp production sites in the world. Furthermore, the flexible fiberlines supplied by ANDRITZ, along with its A-ConFlex™ technology, have already been proven successful by switching between kraft and dissolving pulp three times since the start-up. The mill can now produce 3 million tonnes per year of bleached kraft pulp, or alternatively 1.5 million tonnes per year of dissolving pulp.

CONTACT

Rafael Sirtoli
rafael.sirtoli@andritz.com



Read the
complete
story
online!



The STAR project: one of the largest and most sustainable pulp mills in the world, complying with the highest environmental standards.