



**CIRCULAR
ECONOMY**

CAIMA GOGREEN (100% RENEWABLE PULP PLANT)

Caima discontinues the use of fossil fuels in its production process, becoming one of the first in the industry to achieve this historic milestone. This project will maximize the generation of electrical biomass, ensuring the factory's steam needs, allowing for increased production levels. This investment will also enable new innovative specialty projects, such as the production of acetic acid and furfural - these green compounds can be marketed with high added value.

Summary of the plant's main features:

- Deployment area: 2600 m²;
- Chimney height: 50 mt;
- Max. height of boiler building: 40 mt;
- Thermal power: 76 MWt ;
- Steam production: 90 t/h (25 kg/s, 90 bar(a), 480 °C);
- Boiler's thermal efficiency: 88,5 %;
- Steam flow at turbine inlet: 48 t/h;
- Generator output 4,95 MWe;
- Generator voltage: 3,3 kV.

The biomass plant was designed, planned and built based on the latest concepts and technologies, in order to guarantee the greatest reliability and economy, maximum availability, a high degree of automation, minimised environmental impact, fulfilment of the most rigorous safety requirements for people and facilities and strict compliance with hygiene standards and best practices.



altri



Altri



Portugal



Raquel Almeida

raquel.almeida@altri.pt