



Facts and figures

Klabin and the Monte Alegre mill

- Biggest paper producer, exporter and recycler in Brazil
- Founded in 1899, 17 industrial plants in Brazil and one in Argentina
- Organized in four business units – forestry, paper, corrugated packaging and industrial sacks
- Self-sufficient in wood; 224 thousand hectares of planted forests and 187 thousand hectares of preserved native woodlands
- First pulp and paper company in the Americas to have forest certified by the FSC (Forest Stewardship Council) in 1998
- Ended 2009 with net profit of 333 million real
- Acquired the Monte Alegre Farm in 1934, in the municipality of Tibagi, in Parana
- Unit is today the biggest paper mill in the country and the biggest packaging paper mill for boards, kraftliner and sack kraft in Latin America

Monte Alegre expansion project (MA-1100)

- Project approved in 2006 to expand production capacity of the Monte Alegre mill from the existing 700,000 tons/year to 1.1 million tons/year
- Total investment by Klabin: 2.2 billion real (\$ 1.1 billion)
- Built a new paper machine (PM#9), 250 meters long, 6.6m wide and running at 900 m/min
- Installed a new eucalyptus fiber production line for the CTMP process (Chemi-Thermo Mechanical Pulp), the largest in Brazil with a capacity of 140,000 tons/year.
- Set up a new biofuel boiler with the capacity of 250 tons of steam/hour, largest in its category operating in Brazil
- Reached targeted capacity of 1.1 million tons/year of packaging paper in 2008
- Total annual production capacity of Klabin raised to 2 million tons/year of paper from 1.6 million tons/year

ABB delivery for expansion project

- Value of orders: \$64 million
- Power transformers for 69 kV substation
- Process control system (Extended Automation System 800xA) for PM#9 and other mill processes
- Switchgear for substation
- Several distribution transformers of varying voltage levels for PM#9
- Low-voltage switchgear, motors and variable speed drives for PM#9
- Quality Control System frames
- Web Inspection System
- Engineering, project management, commissioning and training
- Service contract