Design, construction and commissioning of chemical delivery systems for the pulp and paper industry

Cellier - as an Activity of ABB Process Automation in France - designs, builds and starts up turnkey industrial units for the management, receipt, preparation and dosing of process or functional chemicals. These chemicals are used in manufacturing processes of paper, board and tissue for printing and writing, packaging and hygienic applications.

These sophisticated installations are designed to optimise the use of chemicals adding value to the base sheet by enhancing the quality while complying with technical requirements (printability, brightness, etc.), as well as improving the paper machine runability.

Application fields
- De-inking
- Stock preparation (wet-end)
- Coating colour preparation and sizing (coating kitchen, working station)

A global offer with innovative solutions
- Receipt, handling and storage of raw materials
- Dosing and transfer of powders and liquids
- Dispersion, mixing
- Batch and in-line cooking
- Filtration of slurries and coating colours
- Treatment of coating effluents
- Pipe cleaning in place (pigging)
- Automation and control systems

Associated services
- Audit of existing facilities
- Staff training
- Maintenance
- Spare parts
Wet end chemicals
- Skidded units for the preparation of chemicals (PVA, CMC, etc.) according to needs.
- Turnkey GCC grinding units (wet end and surfacing).
- Additives jet mixing.

Coating kitchen
- Excellent accuracy and repeatability.
- High-efficiency dispersion.
- Formulation flexibility.

Treatment of coating effluents
- Separation by continuous centrifugation.
- Recovery of 98-99.5% of reusable organic and inorganic components.
- Reduction of COD and BOD.

PAPCEL control system
- Powerful batch controller.
- Easy to operate.
- Open and high-connectivity system

Expertise, know-how and innovating technologies to improve your industrial performance.

Working station
- Optimal filtration without product loss.
- Integrated automatic cleaning system.
- 99.8% availability (non-stop operation).

Starch enzymatic conversion
- Optimal quality of the converted starch.
- Production capacity up to 7 t/h.
- Low operational costs.

Serving the paper industry world-wide for more than 60 years
- ADVANCE AGRO
- AHLSSTROM PAPER
- ALLIANCE / BOWATER
- APP
- APRIL GROUP
- ARJO WIGGINS
- BALLARUP (BILT)
- BURGO-MARCHI GROUP
- CASCADES
- CORDENONS
- DAIO PAPER
- FORT JAMES (GEORGIA PACIFIC)
- GUANGZHOU PAPER
- HAINDL
- INTERNATIONAL PAPER
- J. SMURFIT
- KIMBERLY CLARK
- KORSNÅS
- LECTA GROUP
- MEAD CORPORATION
- MINFENG GROUP
- MODO PAPER (M-REAL)
- MONDI
- MOORIM GROUP
- OJI PAPER
- SAPPi
- SHANDONG CHENMING GROUP
- SHANDONG HUATAI
- SHIN HO
- Sinar Mas
- STORA ENSO
- SUN PAPER
- THAI PAPER
- UPM KYMENNE