



Control System Updates Enhance Process Decision Making and Flexibility for Celulosa Argentina SA

Celulosa Argentina has had a long relationship with ABB. They recently enhanced their existing ABB process control with the addition of System 800xA Extended Automation

Client: Celulosa Argentina SA
Location: Cap. Bermudez, Santa Fe, Argentina
Scope of Work: System 800xA Extended Automation

"It is interesting to find a product that can keep pace with time. We feel that the current system (800xA) allows high flexibility, modularity and development of control applications in a matter of months. This change is an important technological leap that we appreciate at this plant. The management and the operators make decisions today that are far more accurate, due to the availability of data and the quality of control in the plant."

Sr. José Luis Sassola
Maintenance Manager
Celulosa Argentina SA



Celulosa Argentina's recent enhancement of their existing ABB process control with the addition of System 800xA Extended Automation has enabled them to make decisions and take action more quickly and with greater accuracy. It's also allowed the facility to be expanded in a step-wise manner, allowing integration and future growth in incremental steps, for greater flexibility.

The Background

Celulosa Argentina SA is a pulp and paper producer that has been in the Argentine market since 1929. Today it specializes in printing and writing papers. It holds approximately a one-third share of the local market for uncoated printing and writing papers, produces 95,000 tons of pulp and 68,000 tons paper/year and exports approximately 30% of its output.

It is a large plant, with a long relationship with ABB, and a diverse installation of process control solutions of varying ages and capabilities. Over the years, Celulosa has benefited from ABB's focus on investment enhancement through evolution. Celulosa recently recognized the need to evolve to the most recent process control technology.

The Solution

Celulosa elected to add System 800xA Extended Automation to control the precipitators in the paper mill process at their Cap. Bermudez, Santa Fe, location in Argentina.

The installation includes four Process Portal workstations, one engineering station and four AC 800M controllers. It has 800 I/O channels (S800

I/O). Celulosa Argentina SA has been very pleased with the results.

Integrated Information for Improved Visibility

Ready access to information allows Celulosa's management and operators to make decisions today that are far more accurate, due to the quality and availability of data.

The facilities are now visualized through PCs on a server architecture. Gradually, in incremental steps, Celulosa has been evolving its control to the latest technology. "It is interesting to find a product that can keep pace with time," said Sassola. "We feel that System 800xA allows high flexibility and modularity."

Engineering for Maximum Performance

"In my opinion, it's a very well developed system," Celulosa's Thermoelectric Maintenance Manager, Juan Carlos Perconti said of System 800xA. "ABB has spent many hours on the engineering, and the benefits are obvious as it's being used. Throughout the years, the advantages of incorporating the latest ABB technologies have been seen, not only in maintenance and operations but particularly in the reduction of engineering hours needed to implement changes.

"In a previous control system evolution (adding AC450 controllers to the ABB Advant platform), there were big savings in engineering hours when we implemented changes.

"In the second stage, when we moved to the System 800xA technology, many more advantages were noted. Among them, the advantage of reutilizing code, the speed of copy and paste facilities inherent to Windows, the sharing of data among applications and the many ways one has of writing an algorithm, due to the ability to use and intermix all the different control languages."

Investment Enhancement Through Evolution

"The power to modulate our upgrade investment incrementally over time allows us the ability to acquire and utilize the technology we need, when we need it," Maintenance Manager José Sassola told us. In our case - where we cannot make a single global investment for the entire enterprise all at once - the possibility of evolving over time to different technologies is appropriate, and we have made good use of it. Industrial IT



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Why Choose ABB?

- Reducing Time to Decision and Action
- Engineering for Maximum Performance
- Investment Enhancement Through Evolution
- Integrating Information for Improved Visibility

allowed the facility to be expanded on a modular basis, depending on how the needs of the plant progressed, with a flexible product that allows integration and future growth."

Results

"Previously, engineering and automation upgrades were projects that took years," said Sassola. "Today, System 800xA Extended Automation from ABB allows the development of control applications in a matter of months. This change is an important technological leap that we appreciate. If you multiply the number of control points that are now monitored by the operator through the process controls (which is something the plant did not have formerly) and also include control via remote access to a facility that was run manually, this is appreciable growth and progress."

The Relationship and the Future

Looking ahead, Sassola told us: "Automation is something that enhances our quality of life in the industry. I believe that today, we have a product which is reliable - System 800xA Extended Automation from ABB. We are not dependent upon a stock of replacement parts and we are covered by after-sales assistance in the services and engineering areas.

"Celulosa has a long-term agreement with ABB covering the supply of equipment and the supply of services. We are quite satisfied with this agreement and with our relationship with ABB."

For more information on how ABB's System 800xA Extended Automation can be employed to solve your control issues, visit us at www.abb.com/controlsystems.

For more information on how ABB's Industrial IT technology can be employed to solve your pulp and paper processing issues, visit us at www.abb.com/pulpandpaper.