

Industrial^{IT} for Papermaking

Abhishek Industries integrates mill power and process systems with ABB's System 800xA.

Abhishek Industries, one of the world's leading agro based paper manufacturer gets a quantum boost with ABB's comprehensive System 800xA that integrates the mill's energy and automation systems into a single operating environment

Abhishek Industries Limited, Barnala, the flagship company of the Trident Group is one of the largest towel manufacturers of the world, one of the world's largest agro based paper manufacturers and one of the largest yarn producers in India.

Client requirement

The client required a seamless and complete automation solution including drives, Distributed Control System (DCS) and Quality Control System (QCS) for the new printing paper machine.

Challenges

ABB was tasked with integration of system 800xA from recovery boiler to paper machine. Another critical requirement was automatic grade with speed change of more than 150 mpm.



Solution by ABB

DCS- System 800xA to paper machine, pulp mill and recovery boiler system
Drives- PMC800 with ACS800 MD and AC induction motors
QCS- Smart Platform 1200 and CD actuators

Benefits

Complete integration of drives and QCS with DCS system. There is common automation hardware among DCS, Drives, QCS as well as existing DCS system in other areas of the plant.

System 800xA extends the scope of traditional control systems to include all automation functions in a single operations engineering environment. It enables the client's mills and plants to perform smarter and better at substantial cost savings.

By integrating power and process systems on the common 800xA platform, the customer optimized the design and performance of electrical and automation systems resulting in additional benefits like reduced maintenance, engineering and overall lifecycle costs.

ABB team

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