



Results-Driven Automation



Performance Services

ABB's Paper Machine Optimization Solutions Deliver US\$900,000 in Annual Savings to Tissue Mill

ABB's proposal offered both a Paper Machine Optimization Fingerprint service to identify improvement areas and a new Industrial^{IT} Quality Control System to deliver a total process improvement solution to the mill



A tissue maker in the USA was experiencing significant non-control related issues on one of its tissue machines. These issues were impeding the machine's overall performance and a quality control system alone would not solve all of the problems. ABB proposed the Paper Machine Optimization Service and a new Quality Control System to solve this mill's challenge.

Integrated Service and System Solutions

ABB's proposal offered both a Paper Machine Optimization Service Fingerprint service to identify and secure the improvement areas and a new Industrial^{IT} Quality Control System to deliver a total process improvement solution to the mill. The ABB Service team established a baseline for the project by identifying key process problems. The team then corrected these process problems, improving machinery configuration, steam handling and operating procedures, even before the new Quality Control system hardware arrived. These improvements ensured a successful quality control installation and



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Success Stories

start-up. Following the start-up, the vastly improved process resolution visibility, provided by the new quality control solution, enabled the ABB Service team to identify and implement additional and substantial process improvements.

Results

Actual improvements include:

- 5 minute reduction in sheet break recovery time
- 20% reduction in average grade change time
- 59% reduction in MDL weight variability
- 61% reduction in MDL moisture
- 59% reduction in CD weight variability
- Improved overall machine operation

For Additional Information regarding Paper Machine Optimization Services, contact the North America Customer Services Center at 1-800-HELP-365. Outside of North America call 1-440-585-7804.

