CHINA

ABB to Provide Integrated Automation to Optimize New Paper Machine in China

Project is part on an ongoing collaboration with Henan Investment Group

ABB recently won an order to provide automation and drive systems to control and optimize the performance of a new paper machine at Baiyun Paper Company’s paper production facility in Baiyun. The facility is owned by Henan Investment Group, and located 900 kilometers south west of Peking, China. When completed, the new paper machine will have an annual capacity of 356,000 tons.

The project is Phase II of a copier and offset paper project of Zhumadian Baiyun Paper Company, and part of a USD247 million total investment to expand capacity. It is expected to be operational in April, 2011.

ABB’s automation solution includes a drive system that will optimize the performance of the new paper machine provided by Voith AG. The paper machine has design speed of 1500 m/min, width of 5.28 m. It mainly produces copy paper and offset paper of 60 g/m2 – 120 g/m2. Daily productivity could be as high as 800 tons and annual productivity could be more than 200,000 tons. The paper machine at Baiyun has more complicated technology when compared with paper machines in similar projects, and includes more functions; ABB’s automation solution will ensure that the machine will operate as efficiently as possible.

ABB and Henan Investment Group have collaborated on numerous paper projects over the past ten years, including similar automation projects for Puyang Longfeng, Jiaozuo Ruffeng, as well as Phase I for Baiyun Papers in 2005. All of these projects employ ABB’s integrated process automation control technologies, including electrification, automation, control systems, drive systems, mill type motors pulp line control systems, and related services and support.

“In 2009, ABB’s paper machine drive system for the Puyang Longfeng Papers project won the Excellent Product Award from the China Instrument and Control Society; this is the most well-recognized award in China’s academic and automation community. Now, Henan Investment Group has chosen ABB as its partner again,” said Mr. Lin Shuming, General Manager of ABB Pulp and Paper North Asia “This is definitely a recognition of ABB's technology, system planning, product quality, engineering capabilities and after-sales services, as well as the results that we deliver to our customers.”

ABB
ABB is a leader in power and automation technologies that enable utility and industry customers to improve their performance while lowering environmental impact. The ABB Group of companies operates in around 100 countries and employs about 117,000 people.

VIETNAM

ABB to Deliver Electrical Systems for Paper Mill in Vietnam

Power and automation to improve energy efficiency for Saigon Paper’s fibre lines and tissue machine

ABB announced that it recently was awarded an order from Saigon Paper Corporation to provide electrical systems and related services to improve the efficiency of their Fibre Lines and Tissue Machine at their production mills in Tan Thanh District, Ba Ria–Vung Tau Province, Vietnam.

The factory currently has one of the highest production capacities in Vietnam and the most modern production line in the Asian Eastern region. It produces 91,000 tons/year of high quality industrial paper and tissue. The company is in the final stage of its My Xuan II expansion project that will more than double capacity meet the region’s growing demand for paper products.

Improved energy efficiency was one of the key drivers for this project and an overall goal for the expansion. ABB’s solution will help the customer optimize energy use at the mill, while providing a reliable energy supply infrastructure.

ABB’s scope of supply includes comprehensive power distribution and intelligent process electrification systems that are based on the latest process protection, drives, motor and fieldbus technology, as well as related engineering, commissioning and other services.

ABB’s local operations in Singapore and Vietnam will execute the project. Installation and commissioning is scheduled for the fourth quarter of 2010.