

ABB to deliver Direct Drive systems to Saica Containerboard Mill in UK

Comprehensive paper machine delivery will help new PM11 mill save energy and operating costs

Helsinki , Finland. Nov 22, 2010 - ABB, the leading power and automation technology group, has secured a contract to deliver the paper machine and winder sectional drive systems for Saica Containerboard's new PM11 paper production line. The new mill is located in Manchester, England.

Saica is a family owned company and market leader in southern Europe in the manufacturing of corrugated paper. The company has a total production capacity of over 2 million tons a year, and is focused on quality, sustainability, safety and innovation. ABB's delivery will help Saica's new mill operate at top efficiency while maintaining high product quality. Saica chose ABB for this project after a successful installation of the same technology on its PM10 production line.

ABB's PMC800 Direct Drive solution will reduce overall equipment investment costs by eliminating gear boxes, encoders, primary couplings, gear lubrication. ABB's unique Direct Torque Control (DTC), combined with AC800 drives control system, enable encoderless motor control and operation in Paper Machines.

In addition to eliminating the external gears boxes, the highly efficient Direct Drive solution provides energy savings throughout the system lifecycle. Its 16 installed permanent magnet motors are mostly located at the dryer, representing less than 20% of the total drive power. Dryer section electrical energy losses are 17% lower than that of a traditional drive system, with estimated energy savings over 20 years projected at more than \$400,000. ABB's solution requires less maintenance and minimizes downtime, as well as reduces initial construction costs, resulting in lower overall system lifetime costs.

The new paper machine PM11 will be ready for start-up in January 2012.

ABB (www.abb.com) 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.

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