

ABB

ABB's largest direct drive delivery to ECO7 in Mondi Świecie S.A. paper mill

Direct drive solutions remodels paper machines

ABB's paper machine drive solutions implemented in the ECO7 in Świecie, Poland, enabled a fast and on-time start-up of production. The installation included a record amount of motors utilizing the direct drive technology. Therein the quality of the equipment was chosen on an excellent level. The progress of start-up works test-runs and production were promptly on schedule and met all the agreed deadlines.

"The project was the largest direct drive delivery so far. The cooperation between ABB, the end customer, consultants and paper machine manufacturer has been successful and went very smoothly", says Ismo Lankinen, project manager from

ABB. Technical descriptions and customer needs were clear, and all parties had the ability and willingness to stay focused on their goals. This enabled fast and efficient actions even though there were some changes during the project.

Power and productivity
for a better world™



The paper machine drives PMC800 of ABB were delivered for the paper machine, headbox pump and winder section for MondiCee Light Project at Świecie. The delivery consisted of 69 ACS800 multivariate inverters and motors. At the paper machine ABB's direct drive technology was installed

with altogether 33 permanent magnet motors. Additionally the paper machine and winder drive systems have PMC800 dataloggers and remote connectivity to the drive systems. The delivery included also installation supervision, training, start-up and stand-by services.

The installed paper machine drive solution enables improved productivity by means of enhanced datalogging, maintenance tools and expert services, either at site or remotely.

Mondi Świecie S.A., member of the Mondi Group, has set up a lightweight recycled containerboard machine ECO7 in Świecie, Poland. The first jumbo reel came down on 1st September 2009, with 1044 m/min in 100 g/m².

BE&K Europe

Erection of ECO7 according to schedule

As the company with overall responsibility for the mechanical erection of the new paper machine at Mondi Świecie, BE&K Europe is extremely pleased that it was possible to place the ECO7 into operation according to schedule on 1st September 2009.

This order was the largest assembly project handled by BE&K Europe last year. Among other things it involved assembling the following components: machine headbox, wet end, drying section with drying hood, reel and cutting machine, ventilation system, heat recovery system, core transport and roller feed system. In addition BE&K also installed the piping to the machine headbox and implemented the hydraulics system and the central oil and grease lubrication. Assembly work started on 15th January

2009 and was completed by 20th July 2007. 170 cylinders and rollers, 4,600 tonnes of steel structures and equipment, 14,200 metres of piping and diverse drives with

a total weight of 142 tonnes were assembled over this period. At its peak around 210 skilled workers were deployed on the project.



The drying section of the paper machine