

The customer newsletter of
ABB Power Generation

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in control



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Power and productivity
for a better world™





Xiaoting supercritical power plant, China

ABB has been awarded a contract by China Resources Power Holdings to automate a new 700 MW supercritical coal-fired power plant in the Xiaoting Industrial Park in Yichang City, Hubei province, China.

The plant will supply heat and power to the production and manufacturing facilities at the park, many of which are in the chemical industry. Surplus power will be delivered to the Hubei power grid. The plant will replace a number of small obsolete power plants that were inefficient and heavy polluters. Production is scheduled to start at the end of 2013.

ABB will provide a Symphony™ Plus

total plant automation system based on the high-performance HPC800 DIN-rail controller for the two 350 MW units. The control functions cover the systems for data acquisition, modulate control, sequence control, furnace safety supervision, digital electro-hydraulic control, feed-water pump turbine control, electrical control, and denitrification control by selective catalytic reduction. There are more than 7,200 I/O points per unit. ABB is also responsible for design, engineering, commissioning and testing.

By integrating boiler and turbine control the solution will improve plant efficiency and reliability, operation and maintenance.



Symphony Plus total plant automation. The power of a well-orchestrated performance.

Symphony™ Plus is the new generation of ABB's total plant automation for the power and water industries. Designed to maximize plant efficiency and reliability through automation, integration and optimization of the entire plant, Symphony Plus offers a simple, scalable, seamless and secure solution. Tune to Symphony Plus and experience the power of a well-orchestrated performance. www.abb.com/powergeneration