

The customer newsletter of
ABB Power Generation

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in control



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Power and productivity
for a better world™



Vinh Tan 2 supercritical coal-fired power plant, Vietnam

The Vinh Tan power generation complex, located on Vietnam's south coast some 250 km from Ho Chi Minh City, is set to play a key role in meeting the country's growing demand for electricity. The complex is being developed in three phases and will have a total capacity of 4,400 MW.

Phase 2 is currently being constructed by Shanghai Electric Corporation (SEC), the engineering, procurement and construction (EPC) contractor for the project. The plant will consist of two 622 MW supercritical coal-fired units with Foster-Wheeler "W" flame technology boilers. The first unit is scheduled to start commercial operation by the end of 2013, and the second unit in 2014.

ABB has been selected by SEC to automate the two supercritical units using the latest Symphony™ Plus technol-

ogy based on BRC410 rack controllers and I/Os. The solution will control the plant's boilers, turbines and generators, and include a modulating control system, sequence control system, data ac-

ABB has been selected to automate the two supercritical units using the latest Symphony Plus technology.

quisition system, feed water pump turbine control, and steam turbine control. Each unit will have more than 9,900 I/O points.

ABB will also provide a performance management system using S+ Operations' integrated Optimax®

PlantPerformance package. The package includes real-time database platform, performance calculation, and "what-if" analysis to guide operators and engineers in operation and maintenance.

Vinh Tan 2 is located in the city of Vinh Tan in Binh Thuan province. It is owned by Vietnam Electricity (EVN), the largest power company in Vietnam and one of the top-ten corporations by revenues in the country.



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