

in control



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How will control system engineering evolve?

Weston Power Plant, Wisconsin

ABB has won a multimillion dollar contract from Wisconsin Public Service (WPS) to upgrade the control system at the Weston Unit 3 Power Plant at Rothschild, Wisconsin.



“We evaluated several bidders based on technology, experience, project implementation plan and cost. ABB proved to be the right choice for our project, based on those criteria.”

Drew Bain, Project Manager, WPS

Weston Unit 3 is a 360 MW Combustion Engineering tangential-fired drum boiler supplying steam to a General Electric turbine-generator. The balanced-draft unit is equipped with two electrically driven boiler feed pumps and a fabric filter baghouse. It uses coal as the main fuel and natural gas for auxiliary fuel and ignition. Weston Unit 3 was originally commissioned in 1981.

ABB will supply a Symphony™ Plus control system including high-performance graphics, server and networking equipment, interfaces to existing

systems and a high fidelity simulator. As the turnkey supplier, ABB is responsible for all aspects of the project including control system design, implementation, testing, site installation and start-up.

ABB's design and implementation activities will include review of existing plant systems and operation, I/O list development, hardware configuration, control logic, high-performance graphics, networks and interfaces. ABB will also provide the following retrofit engineering and site services: wiring/raceway and cabling design, demolition and panel/cabinet modifications, power

supply distribution and grounding, plant drawing generation and modification, installation supervision, site coordination, craft labor, start-up and commissioning.

“We evaluated several bidders based on technology, experience, project implementation plan and cost. ABB proved to be the right choice for our project, based on those criteria,” said Drew Bain, Project Manager for WPS.



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

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