Spotlight on Symphony Plus

Italy’s largest public works project  8
Protecting Venice from floods and high water
Treating Hong Kong’s wastewater 12
Controlling one of the world’s mega plants
EDF selects Symphony Plus 20
New service agreement for thermal power plants in France
Envisioning the future 22
How will control system engineering evolve?
EDF selects Symphony Plus for coal-fired plants

EDF, one of the world’s leading electric utilities, has selected ABB to supply Symphony Plus total plant automation systems and long-term service support for three 600 MW units at the Le Havre and Cordemais coal-fired power plants in France.

Comprehensive and complex

The modernization program is comprehensive and complex in scope, involving the revamping of electromechanical and process equipment, as well as the replacement of obsolete distributed control systems with state-of-the-art Symphony™ Plus total plant automation systems.

ABB is responsible for design, engineering, installation, commissioning and training, and will install the new Symphony Plus systems during scheduled annual shutdowns over a four-year period ending in 2016.

One of the highlights of the EDF-ABB collaboration is the 21-year maintenance contract that the two companies have signed, in which ABB will provide corrective, preventive, adaptive and remote maintenance for all three units.

ABB competed for the project with all the leading global plant automation vendors and was selected for providing the best technical and commercial solution for EDF’s requirements.

ABB has won an order from Metka, its strategic alliance partner and a leading engineering, procurement and construction (EPC) contractor, to supply a Symphony™ Plus total plant automation solution for the phase 4 expansion of the Samra thermal power plant in Jordan.

Owned and operated by Samra Electric Power Generating Co, the plant currently has a generating capacity of 885 MW and produces around 25 percent of the total power consumed in Jordan.

The new phase 4 expansion will generate 146 MW of electric power for the national high voltage transmission grid. The plant is located in the city of Zarqa, Jordan’s third largest city and the country’s leading industrial center.

ABB will provide a Symphony Plus distributed control system based on its new S+ Control HPC800 process controller, which helps reduce system installation and maintenance costs and is the latest addition to ABB’s range of high-performance process controllers for the Symphony family.

ABB is also responsible for design, engineering, installation and commissioning, and will deliver the solution on a fast-track basis. This will enable the plant to start production by mid-2013 in time for the hot summer months when demand for electricity and electrically powered air conditioning is at a peak.
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](http://www.abb.com/powergeneration)