One of the world’s largest bunker-fueled diesel power plants upgrades to Symphony Plus.

ABB has been awarded a contract by 1590 Energy Corporation to upgrade the control system of the Bauang diesel power plant in the Philippines. The plant has a generating capacity of 215 MW and is one of the largest medium-speed bunker fueled diesel power plants in the world. It commenced operations in 1995 and provides much-needed power for the island of Luzon, which is the industrial and economic center of the Philippines and home to the country’s capital, Manila.

ABB is upgrading the plant in a stepwise approach to ensure minimum disruption of plant operations. The site’s existing OIS 41 VMS (virtual memory system) consoles, which have been in operation for nearly 15 years, are being replaced by S+ Operations, ABB’s powerful and ergonomic human machine interface (HMI) for Symphony™ Plus. Designed to empower operators to greater awareness, faster response and better decision-making, S+ Operations will be added on-line and in parallel to the existing consoles, thereby minimizing risk and loss of production.

Evolution without obsolescence
Thanks to ABB’s ‘Evolution without obsolescence’ strategy and commitment to earlier generations of the Symphony family, 1590 Energy Corporation will be able to reap the benefits of the latest Symphony Plus automation technology while safeguarding its previous investments in hardware, software and operator expertise.

The solution will empower operators to greater awareness, faster response and better decision-making.

The Symphony Plus solution will enable the existing field-proven plant control configuration to be retained, thereby protecting the customer’s original intellectual capital investment. It will also support riskfree implementation during a tight plant shutdown schedule.

ABB is responsible for complete system design, engineering, project management, testing and installation supervision, and commissioning of the Symphony Plus control system. To ensure a smooth operational transition during the upgrade process, ABB will also provide training to enhance operator skills.
The customer has also subscribed to ABB's Automation Sentinel, a life cycle support program that allows active monitoring of control system versions and software life cycle costs. Under the terms of the subscription, the customer has exclusive access to the latest software updates and patches of S+ Operations HMI and Composer for the next three years.

ABB has already successfully completed and commissioned phase 1 of the project (the HMI upgrade) and will complete phase 2 (upgrading the hardware modules) towards the end of 2013.

On completion, 1590 Energy Corporation will have a highly flexible and efficient control system that will help improve plant reliability and stability, and enhance plant operations.

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