ABB Releases Carbon In Ash Monitor 2.0

Advanced Technology Reaps Financial and Environmental Rewards

Barcelona, May 26, 2004 - ABB, the leading power and automation technology group, announces the release of its new Carbon In Ash Monitor 2.0 with closed loop control capability at the Power-Gen Europe 2004.

The ABB Carbon in Ash Monitor with closed loop control represents the most advanced technology available today for monitoring carbon content and continuously maintaining the quality of flyash produced by coal fired power plants. This patented real-time, non-extractive monitoring system incorporates advanced microwave technology for continuous, reliable, accurate measurement of carbon. The ABB Carbon in Ash Monitor with closed loop control reduces costs through improved combustion and creates additional revenue by reducing the negative environmental impact of flyash.

A typical coal fired power plant can produce up to 500 tons of flyash in a single day. When this flyash contains too much carbon (unburned coal), it must be disposed of, usually in large costly landfills. By employing the ABB Carbon in Ash monitor with closed loop control, utilities can now regularly produce high quality, low carbon flyash which has significant commercial value, including use as a primary constituent of gypsum wallboard and blended cement. The use of flyash in cement production also results in a significant reduction in the generation of harmful greenhouse gasses. Consequently, enhanced coal combustion and flyash sales from a typical power plant can annually return upwards of $1,000,000 to a utility with environmentally friendly results.

“As flyash passes through the backpass of a boiler, our monitor provides a highly accurate, continuously updated carbon measurement. It has extraordinary availability, requires only minimal annual maintenance and installation can be accomplished in a matter of days”, commented Paul Thulen, Product Manager of the ABB Plant Automation Combustion Management solution suite. “It is the only measurement system of its kind that can be integrated into a closed-loop optimization control system. No longer must utilities rely on slow responding, maintenance intensive, extractive sampling systems for carbon measurement”, added Paul.
ABB’s Combustion Management solution suite also includes the Combustion Optimizer, Flame Monitoring and Analysis, Online Performance Monitoring, and Mill Asset Management.

ABB (www.abb.com) is a leader in power and automation technologies that enable utility and industry customers to improve performance while lowering environmental impact. The ABB Group of companies operates in around 100 countries and employs about 113,000 people.