



## Power & Water Solutions

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### Press Releases

#### Emerson to Modernize Romanian Power Plant with Digital Automation Technology

***Emerson's PlantWeb® to help enhance availability, reliability and performance***

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PITTSBURGH (June 1, 2004) — Emerson Process Management announced today that it has been awarded a contract by Electocentrale Bucuresti for automation that will give Bucharest West Power Plant in Romania unprecedented insight into plant operations to help boost plant availability, reliability and performance. The contract includes modernizing of two 100 gigacalories per hour hot water boilers to meet peak demand, supplementing the thermal energy supplied by the two 125 MW units.

Power providers and process manufacturers in Central and Eastern Europe are rapidly adopting the proven and industry-leading digital automation technologies. Electrocentrale Bucuresti will use Emerson's PlantWeb® digital plant architecture to modernize the Bucharest power plant, installing Foundation™ fieldbus communications technology that networks intelligent field devices with the Ovation® expert control system and AMS™ Suite software for predictive diagnostics.

"Rehabilitating the hot water boilers was necessary to ensure the plant is able to provide hot water to Bucharest during peak demand times," said Voiculescu Marian, general manager for Bucharest West Power Plant. "We expect the installation of Emerson's PlantWeb digital plant architecture to reduce the operational and maintenance costs and to increase the availability of the plant."

Emerson's PlantWeb architecture has delivered superior automation and savings of more than 30 percent in installed costs across a broad range of process manufacturing industries. Major engineering, wiring and commissioning savings are expected with the Bucharest West Power Plant modernization, and follow-on savings will be driven by innovations like the asset management capabilities of PlantWeb, which use predictive intelligence to optimize plant performance and reliability.

"With more than 3,800 installations operating around the globe, the PlantWeb approach is proven across a number of process industries," said John Berra, president of Emerson Process Management. "As this project demonstrates, our power industry customers also understand the value, and are anxious to capitalize on the operational results and competitive advantages that are possible through PlantWeb's predictive intelligence."

For this contract, field devices including Rosemount® pressure transmitters, Micro Motion® Coriolis mass flowmeters, and Fisher® valves with Fisher FIELDVUE™ digital valve controllers equipped with Foundation fieldbus technology will deliver field intelligence to the Ovation system, providing plant personnel with new insight into boiler operations. AMS Suite software enables maintenance, reliability and operations staff to view predictive diagnostics from the intelligent devices which can lead to increased plant availability and reduced maintenance costs. In all, the Ovation system will manage 2,700 I/O points. Emerson also will supply three operator stations, one engineering station, and an ODBC (Open Database Connectivity) interface and integration to a higher plant network.

PlantWeb digital plant architecture is an automation solution that delivers asset management, process control and management execution to deliver unprecedented business improvement. The Ovation expert control system with integrated AMS Suite software gives users higher levels of plant availability, reliability and environmental compliance. From basic control and monitoring to plant-wide integration, Ovation offers seamless communication with intelligent field devices and integrated asset management software to deliver the power of predictive intelligence. Embedded advanced control applications, tailored to meet the challenges of electricity generation, ensure full optimization of critical processes. Built using the latest commercially available hardware platforms, operating systems and network architectures, only the Ovation expert control system stays new in the face of rapidly advancing computing technology.

#### **About Emerson Process Management**

Emerson Process Management ([www.emersonprocess.com](http://www.emersonprocess.com)), an Emerson business, is a leader in helping businesses automate their production, processing and distribution in the power, water and wastewater treatment, chemical, oil and gas, refining, pulp and paper, food and beverage, pharmaceutical, and other industries.

Emerson's Power & Water Solutions division ([www.emersonprocess-powerwater.com](http://www.emersonprocess-powerwater.com)), formerly Westinghouse Process Control, is a global supplier of advanced distributed process control and information systems. The Pittsburgh-based company is a recognized leader in developing plant-wide process control solutions for the power generation, water treatment and wastewater treatment industries. Power & Water Solutions plays a key role in the Emerson mission of combining superior products and technology with industry-specific engineering, consulting, project management and maintenance services. Emerson brands include: PlantWeb®; Ovation®; SmartProcess®; Fisher®; MicroMotion®; Rosemount®; Daniel®; DeltaV™; and AMS™ Suite.

#### **About Emerson**

St. Louis-based Emerson ([www.gotoemerson.com](http://www.gotoemerson.com)) is a global leader in bringing technology and engineering together to provide innovative solutions to customers in process control; electronics and telecommunications; industrial automation; heating, ventilating and air conditioning; and appliance and tools. Sales in fiscal 2003 were \$14 billion.

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*Ovation, SureService, SmartProcess, PlantWeb, Fisher, Micro Motion, Rosemount, Daniel, AMS™ Suite and DeltaV™ are marks of Emerson Process Management. Other marks are the property of their respective owners.*