

NEWS RELEASE

Emerson digitally automates \$375 million expansion of coal gasification plant at Shanghai Coking & Chemical Corporation

Emerson PlantWeb® architecture and engineering services selected for project that doubles output of methanol to meet the strong market requirement

AUSTIN, TEXAS (April 7, 2009) --Shanghai Coking & Chemical Corporation and Emerson Process Management announced that Emerson had been selected to provide its PlantWeb® digital plant architecture with FOUNDATION™ fieldbus technology for the \$375 million expansion of the coal gasification plant in Shanghai. The project has doubled the plant's output of methanol and carbon monoxide to help meet the rapidly increasing need for methanol in the region. The expanded plant began operation in June 2008.

The plant converts coal to synthesized gas, methanol, and carbon monoxide. The expansion project produces hourly 11618 cubic meters of synthesized gas, 22000 cubic meters of carbon monoxide, and 56 tons of methanol. The synthesized gas is supplied to customers in Shanghai Chemical Industry Park, while the methanol and carbon monoxide are used as a chemical intermediate for acetic acid.

"We selected Emerson's PlantWeb architecture because it provides a simple digital architecture that can be easily configured to meet the complex requirements of our process," said Mr. Guanghua Li, chief engineer for Shanghai Coking and Chemical Corporation. "The improved predictive capabilities and streamlined communications provided by PlantWeb technology will help us meet our high availability targets for the expanded plant. Emerson's extensive experience in large project management was another factor in the selection process. We have already been very impressed with Emerson's strong local engineering and support capability."

In addition to installing PlantWeb, Emerson's contract includes project management, system integration, configuration, commission and startup, and maintenance services. Emerson's PlantWeb digital architecture delivers operational excellence by networking thousands of smart devices throughout plants, enabling optimum control, while continuously gathering diagnostics data that is used for asset optimization, including predictive maintenance. Plant personnel use the data to correct potential equipment and process problems before they interrupt production.

"We are very pleased at being selected by Shanghai Coking & Chemical for the expansion of their coal gasification plant," said Sabee Mitra, president of Emerson Process Management Asia Pacific. "PlantWeb technology will help our customer achieve its availability target and, importantly, help meet Shanghai's rapidly increasing need for clean energy."

About Shanghai Coking & Chemical Corporation

Shanghai Coking & Chemical Corporation, a large comprehensive chemical company, uses coal as its primary raw material. It is the largest producer of city coal gas in the Shanghai area, providing 50% of Shanghai's gas demand with a current daily output of 3.2 million cubic meters. The company's main products include 1.5m t/a coke, 800k t/a methanol and 360k t/a carbon monoxide. Its annual sales are more than \$700 million.

About Emerson Process Management

Emerson Process Management (www.emersonprocess.com), an Emerson business, is a leader in helping businesses automate their production, processing and distribution in the chemical, oil and gas, refining, pulp and paper, power, water and wastewater treatment, mining and metals, food and beverage, pharmaceutical and other industries. The company combines superior products and technology with industry-specific engineering, consulting, project management and maintenance services. Its brands include PlantWeb®, Fisher®, Rosemount®, Micro Motion®, Daniel®, DeltaV™, Ovation®, and AMS® Suite.

About Emerson

Emerson (NYSE: EMR), based in St. Louis, Missouri (USA), is a global leader in bringing technology and engineering together to create innovative solutions for customers through its network power, process management, industrial automation, climate technologies, and appliance and tools businesses. Sales in fiscal 2008 were \$24.8 billion. For more information, visit www.Emerson.com.



Emerson has been selected to provide its PlantWeb digital plant architecture for the \$375 million expansion of Shanghai Coking & Chemical Corporation's coal gasification plant in Shanghai.

[High resolution image](#)



Central control room at Shanghai Coking & Chemical.

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