
Technology Fact Sheet



For Further Information Contact:
Media: Jan Sieving +1 832 513 1111

For immediate release:
November 24, 2008

Methanol-to-Olefins Technology

- Parties:** Shaanxi Xin Xing Coal Chemical Science & Technology Development Co., Ltd. and Lummus Technology
- Process:** Methanol-to-Olefins reaction and recovery technology
- Description:** MTO reaction and recovery technology and associated engineering technologies covers the process from methanol feed to the production of light olefins, i.e. from the methanol feed to the effluent compressor suction drum, including feedstock vaporization section, reaction-regeneration section, product quench and separation section, sour water stripping section, main air blower section, steam generation section, charge gas compression, refrigeration, light olefins, fractionation, etc.
- CB&I Advantage:** Lummus Technology is the exclusive worldwide licensor of the technology outside of China. The first licensed unit is currently in detailed engineering and construction phase in China.
- Benefits:** This technology breakthrough now allows olefins producers an alternative non-crude feedstock and catalytic process with unique economics for grassroots and ethylene plant expansion opportunities not feasible through conventional revamps.

About CB&I

CB&I combines proven process technology with global capabilities in engineering, procurement and construction to deliver comprehensive solutions to customers in the energy and natural resource industries. With more than 70 proprietary licensed technologies and 1,500 patents and patent applications, CB&I is uniquely positioned to take projects from conceptual design, through technology licensing, engineering and construction and final commissioning. Drawing upon the global expertise and local knowledge of approximately 18,000 employees in more than 80 locations, CB&I safely and reliably executes projects worldwide. For more information visit www.CBI.com.

#