



Technology Fact Sheet

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

For Immediate Release
August 9, 2010

Tianjin Bohua using CATOFIN® technology

- Owner :** Tianjin Bohua
- Location:** Tianjin, China
- Process:** Propane dehydrogenation
- Capacity:** 600,000 metric tons per annum
- Production:** Propylene
- Technology:** CATOFIN dehydrogenation process utilizing Sud-Chemie's latest CATOFIN catalyst
- Description:** The CATOFIN dehydrogenation process is a reliable, proven means to produce propylene from propane. The process operates at optimum reactor pressure and temperature to maximize conversion of propane for a high yield of propylene and correspondingly low investment and operating costs.
- CB&I Advantage:** Several CATOFIN propane dehydrogenation units are in operation or in various stages of engineering and construction throughout the Americas, Europe, Africa and Asia.

Benefits:

FEATURES	BENEFITS
High per pass conversion and high catalyst selectivity	Lower investment and operating costs
High single train capacity	Economy of scale
No hydrogen recirculation or dilution steam	Lower investment and operating costs
Fixed bed reactors	Reliable and robust operation with high on-stream factor
No catalyst losses	Environmentally sound design

About CB&I

[CB&I](#) designs, engineers and constructs some of the world's largest energy infrastructure projects, providing a [full spectrum of EPC solutions](#) and proven [process technologies](#). Drawing upon more than a [century of experience](#) and the [expertise](#) of approximately 16,000 employees worldwide, CB&I safely and reliably executes more than 600 projects a year through its three business sectors: [CB&I Lummus](#) builds upstream and downstream oil & gas projects, LNG liquefaction and regasification terminals, and a wide range of other energy related projects; [CB&I Steel Plate Structures](#) designs, fabricates and constructs storage tanks and containment vessels and their associated systems for the oil & gas, water & wastewater, mining and nuclear industries; [Lummus Technology](#) capitalizes on more than 1,500 patents and patent applications to provide process technologies, [catalysts](#) and [specialty equipment](#) for petrochemical facilities, oil refineries and gas processing plants. For more information, visit www.CBI.com. If you would like to be added to CB&I's news release email distribution list, visit www.cbi.com/news.

#