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## **World's most powerful single frame compressor delivered**

**Burckhardt Compression delivered the most powerful Hyper compressor ever built in its history to Tasnee, Saudi Arabia, for their ethylene and polyethylene plant.**

In October 2005 Burckhardt Compression received an order from National Petrochemical Industrialisation Company NPIC (Tasnee) for the low density polyethylene (LDPE) plant that is part of the integrated ethylene and polyethylene (PE) complex at Al Jubail, Saudi Arabia. The responsible contractor for this project is Tecnimont.

The delivered Hyper compressor is driven by a 27,500 kW (36,900 HP) electric motor and compresses 160 tons of ethylene per hour to a discharge pressure up to 2,650 bar (38,400 psi). Hyper's heaviest part, the motion work, alone weighs 180 tons. The compressor will be installed in Al Jubail by mid-July 2007.

The new petrochemical complex includes a gas cracker and two 400,000 tons-per-year PE plants. One of these plants will produce low density polyethylene (LDPE), based on Basell's Lupotech T technology. The joint venture project was set up by Basell Polyolefins GmbH and Tasnee & Sahara Olefins Company. The project is scheduled to be completed in 2008.

Hyper compressors are high pressure reciprocating compressors for low density polyethylene plants up to 3,500 bar (50,000 psi). It excels with a long lifetime and high safety requirements thanks to its unique design features and Burckhardt Compression's worldwide one-stop service.

### **About Burckhardt Compression**

Burckhardt Compression is one of the market leaders in the field of reciprocating compressor technology and the only manufacturer that offers a complete range of Laby<sup>®</sup> (labyrinth piston), process gas, and hyper compressors. These compressors are used in a wide range of applications in the chemical and petrochemical industry, in refineries, in air separation systems, and for gas transport and storage. Burckhardt Compression products are used to compress, cool or liquefy gas, for example hydrocarbon or industrial gases. Its customers include multinational companies in the oil, gas, petrochemicals and chemicals industries.

In addition to its thriving new installation business, a major driver of the company's success is its global service network, which generates a substantial share of company revenues. This global network enables Burckhardt Compression to offer comprehensive customer support services, such as delivery of top-quality components, servicing of compressor valves, complete system overhauls, engineering services and the fulfillment of comprehensive maintenance contracts.



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*A high resolution picture of the Hyper compressor is available on request.*

*Please send a copy of the publication to Daniela Gohl. Thank you.*