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## Three Laby<sup>®</sup> Compressors for LNG Terminal in Spain

**Burckhardt Compression has received an order for three Laby<sup>®</sup> Compressors to be delivered to Gijon, Spain, for the LNG receiving terminal at the port of El Musel.**

Burckhardt Compression recorded an order from Enagás to deliver three Laby<sup>®</sup> (labyrinth piston) Compressors for the liquid natural gas (LNG) receiving terminal that is part of the new regasification plant in the port of El Musel in Gijon, Northern Spain.

The Laby<sup>®</sup> has a unique ultra-low maintenance piston sealing design and is therefore the ideal solution for low temperature boil-off gas applications. The gastight design reduces gas emission and losses to the environment to zero. For any LNG boil-off gas applications the Laby<sup>®</sup> is the compressor to be used, since it designed to reliably and efficiently manage these specific requirements.

Delivery of the three Laby<sup>®</sup> Compressors will take place mid-2010. Burckhardt Compression has already delivered several Laby<sup>®</sup> Compressors for a similar LNG storage and distribution plant in Barcelona which is also operated by Enagás.

The new installation will have an initial storage capacity of 300'000 m<sup>3</sup> of LNG. This will be split between two storage tanks, 150'000 m<sup>3</sup> of LNG each, with a total emission capacity of 800'000 m<sup>3</sup> natural gas per hour. The docking terminal is specifically designed for gas tankers carrying LNG loads of up to 260'000 m<sup>3</sup>. Two more storage tanks, that will take the final emission capacity up to 1'200'000 m<sup>3</sup> natural gas per hour, will be built at a later date.

Laby<sup>®</sup> Compressors are used for liquid gas transport and storage as well as in the chemical and petrochemical industries. Laby<sup>®</sup> Compressors compress bone-dry, dirty, abrasive and other gases with no contamination and without oil, with a discharge pressure up to 300 bar (4350 psi), flow up to 11000 Nm<sup>3</sup>/h (6500 scfm) and shaft power up to 2200 kW (3000 HP). Laby<sup>®</sup> Compressors are extremely reliable machines with unexcelled availability, combining high performance with a unique cooling system. Burckhardt Compression's Laby<sup>®</sup> easily manages the compression of LNG boil-off gas at suction temperatures down to minus 170 °C (-250 F). The compressors will be used to re-liquefy boil-off gas which forms during LNG unloading of the LNG carriers and to maintain the LNG storage temperature at minus 170 °C.



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## **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® (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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