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Delivery of Three Process Gas Compressors to Air Liquide Hydrogen Facility in Rotterdam Completed

After extensive life cycle cost analysis Lurgi GmbH, a subsidiary of Air Liquide Group, selected Burckhardt Compression in Q3 2008 to deliver three Process Gas Compressors, used as pipeline compressors, for Air Liquide's hydrogen production plant in Rotterdam, The Netherlands.

In April, the delivery of three Process Gas Compressors to Air Liquide in Rotterdam, The Netherlands for their 130'000 Nm³/hour hydrogen production facility took place. The responsible contractor for the project is Lurgi GmbH in Frankfurt, Germany. The compressors will be used to maintain the hydrogen pipeline pressure at 100 bar.

Extensive life cycle cost analysis among several suppliers have shown that the offered compressors will minimize the operating cost and maximize the meantime between overhaul. This requires special knowledge in the dry-running technology, an accurate material selection for the specific operating conditions as well as reliability and high availability for the equipment offered. Burckhardt Compression has over 20 years of experience in in-house tribology research and therefore an extensive expertise in designing application specific high performance sealing systems.

Commissioning of the Process Gas Compressors is scheduled to be completed in Q1 2011.

The hydrogen will be generated from steam reforming of methane (reacting methane with steam to form hydrogen and carbon monoxide). The plant will also be connected to Air Liquide's Northern European hydrogen network, which includes eight hydrogen generation units and over 900 km of pipeline.

Burckhardt Compression's Process Gas Compressors are used in the refinery and petrochemical industry as well as for industrial gases and gas transport and storage. They represent high availability and a long meantime between overhaul thanks to their specific design, their in-house engineered high quality compressor components and valves. This together with a great serviceability result in lowest life cycle cost.



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About Burckhardt Compression

Burckhardt Compression is one of the worldwide market leaders in the field of reciprocating compressors and the only manufacturer that offers a complete range of Laby[®] (labyrinth piston), Process Gas, and Hyper Compressors. The compressors are used to compress, cool or liquefy gases. Burckhardt Compression's customers include multinational companies active in the chemical, petrochemical, refinery, industrial gas and gas transport and storage industries. With the leading compressor technology, the high-quality compressor components and the comprehensive range of services Burckhardt Compression supports its customers in their effort to minimize the life cycle costs of their reciprocating compressor systems.

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