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Burckhardt Compression Delivered Three Process Gas Compressors for a Polysilicon Production Site

Due to extensive expertise in the dry-running technology Burckhardt Compression awarded an order for three Process Gas Compressors from centrotherm photovoltaics. Delivery to "Semiconductor Plant" JSC in the Ukraine took place in the end of 2009. The compressors will be installed in their polysilicon production plant.

Burckhardt Compression delivered three Process Gas Compressors to "Semiconductor Plant" JSC for their polysilicon production plant in Zaporozhye, Ukraine. The responsible contractor for the project is centrotherm photovoltaics, the leading provider of technology, equipment and services for the photovoltaics industry, in Blaubeuren, Germany. The contract contains three Process Gas Compressors including auxiliaries, lube oil system, piping, compressor control system and electric drive motors.

The compressor trains will be installed in the gas recovery unit within the chlorine-silane regeneration. This specific compression process requires knowledge in the dry-running technology, an accurate material selection for this severe 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 a wide range of application specific materials available with extensive expertise for process gases with extremely abrasive pollutions.

Polysilicon is used in the production of monocrystalline and multicrystalline solar wafers. The principal raw material is used to produce the solar cells that convert sunlight into electricity.

Start-up of the polysilicon production is scheduled to be in the second quarter of 2010. Burckhardt Compression is supporting the customer by supervision of the assembly and the commissioning of the compressors on-site.

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 design, their in-house engineered high quality 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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