

Trade Press Release

Shanghai, China, May 14, 2013

Heraeus Photovoltaics Successfully Integrates 2013 Acquisition

- **Combined intellectual property delivers unique paste compositions to PV Industry**

Through Heraeus' acquisition of the Ferro PV Pastes Business in early 2013, Heraeus has developed groundbreaking metallization paste technology to improve the output of crystalline silicon solar cells. The first major product developed from this innovative technology will be featured at the SNEC (2014) International Photovoltaic Power Generation Conference & Exhibition on May 20th through May 22nd, 2014.

"Heraeus' acquisition of the Ferro PV Pastes Businesses has allowed us to combined the R&D talents and intellectual property portfolios of two leading metallization paste research organizations," according to Andreas Liebheit, Global Manager of the Heraeus Photovoltaics Business Unit. He continues to state, "Our enhanced Heraeus PV research and development group has created unique paste components, providing superior solar cell performance through new formulations unlike any commercially available pastes provided by other manufacturers. These new formulations will become a platform for a family of new products that customers can integrate into their manufacturing process with confidence while improving their cells' efficiency at a lower cost/watt. Our first product breakthrough is a unique paste design for Ultra-LDE wafers."

This and other announcements can be discussed during Heraeus Photovoltaics' celebration event at their booth on Tuesday, May 20th from 3:30pm – 5:30pm at this year's SNEC 8th (2014) International Photovoltaic Power Generation Conference & Exhibition, in Shanghai China at Hall: W3 Booth: 560. You can also go to www.pvsilverpaste.com for more information about their products and selected research presentations.

About the Heraeus Photovoltaics Business Unit

The Heraeus Photovoltaics Business Unit is an industry leading developer and manufacturer of silver metallization pastes for the photovoltaic industry. For over 40 years, Heraeus has built a reputation of innovation, extensive research and new product development in thick film technologies for some of the most prominent companies within a variety of industries. In the field of photovoltaics, the Heraeus Photovoltaics Business Unit applies this history and its innovative technology to offer metallization pastes for solar cell applications. The Heraeus SOL Series of silver pastes is specially formulated to provide higher efficiencies and wider processing windows, resulting in better yields and higher output for cell manufacturers.

The Hanau-based precious metal and technology group Heraeus is a globally active family-run enterprise with a history of more than 160 years. We provide high-end solutions to our customers to lastingly strengthen their competitive position. Our areas of competence include precious metals, materials and technologies, sensors, biomaterials and medical devices, quartz glass and specialty light sources. In the financial year 2013, Heraeus achieved revenues from the sales of products of €3.6 billion, while the revenues from precious metal trading were €13.5 billion. With about 12,500 employees in more than 110 companies world-wide, Heraeus is in a leading position on its global sales markets.

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