

Press Release

Heraeus Photovoltaics Establishes Regional Product Modification Lab in Japan

New center strengthens company's R&D presence in Asia Pacific region and accelerate innovation for customers.

TOKYO- March 2, 2016- Heraeus Photovoltaics, the worldwide leading supplier of metallization solutions to the PV industry, today announced the launch of a regional Product Modification Lab (PML) in Tokyo. This move strengthens the existing framework of Heraeus' regional research and development centers. By expanding product modification capabilities in Japan, Heraeus will solidify its strong commitment to the Japanese PV market and will be able to more efficiently manage customer requirements.

Japan represents an important market for Heraeus Photovoltaics. It represents over 8% of the worldwide supply of solar cell manufacturing and 18% of global PV installation. As markets in Asia continue to grow and Heraeus customers' technologies evolve rapidly, the network of regional product innovation abilities is a cornerstone for the company to further explore the photovoltaic markets. "Our regional PML reinforces our strong commitment to Japan as high technology market, adding to our strength as reliable supplier of high quality products," states Dr. Weiming Zhang, Senior Vice President Innovation, Heraeus Photovoltaics.

Another factor in this investment is to encourage customer collaboration and accelerate R&D innovation in key regions. Dr. Zhang added, "By establishing our PMLs close to the markets, we are able to understand changes in our customers' needs constantly and provide them with superior products in shortest response time." As part of this distributed approach, all Product Modification Labs work closely with the Heraeus Photovoltaic global R&D Center in the U.S.A. to ensure that the customer requirements are reflected in the development of products with highest efficiency and reliability.

Japan marks the third Heraeus regional PML to open in Asia in the last 12 months. It complements the installation of two regional PML's, one in Shanghai, one in Taiwan, in early 2015.

About the Heraeus Photovoltaics Global 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.

Heraeus, the technology group headquartered in Hanau, Germany, is a leading international family-owned company formed in 1851. With expertise, a focus on innovations, operational

excellence and an entrepreneurial leadership, we strive to continuously improve our business performance. We create high-quality solutions for our clients and strengthen their competitiveness in the long term by combining material expertise with technological know-how. Our ideas are focused on themes such as the environment, energy, health, mobility and industrial applications. Our portfolio ranges from components to coordinated material systems which are used in a wide variety of industries, including the steel, electronics, chemical, automotive and telecommunications industries. In the 2014 financial year, Heraeus generated product revenues of €3.4 bn and precious metal revenues of €12.2bn euros. With around 12,600 employees worldwide in more than 100 subsidiaries in 38 countries, Heraeus holds a leading position in its global markets.

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