

Press Release

Hanau (Germany),

Heraeus and PhosponicS Ltd collaborate to promote a novel cleantech solution for PGM recovery Heraeus uses new scavenging technology to optimize the recovery of low concentration waste streams of PGMs

Globally active Precious Metals and Technology Group Heraeus and PhosponicS Ltd have signed a Collaboration Agreement to expand the application of PhosponicS™' patented Precious Metal scavenging technology in conjunction with Heraeus' Precious Metals refining expertise. This Agreement is designed to promote a novel Cleantech solution which will help to improve the economics of Precious Metals recovery from process and waste streams and reduce application losses, specially for the recovery of low concentration process and waste streams of precious metals

The new Scavenger technology is able to efficiently extract dissolved Precious Metals from solution and bind to a functionalized silica media enabling its value to be readily recovered through Precious Metals refining processes. "We believe, that the Scavengers can enhance the economics of recovery of Precious Metals particularly from low PGM concentration streams. We will use our established market position and customer relationships to introduce PhosponicS™ Scavenging technology thereby increasing the market for our refining services." says Thomas Trin, Global Sales Manager Business Unit Recycling at Heraeus. Presently Rhodium and Platinum are often recovered inefficiently from low concentration process and waste streams, derived from processes where Precious Metal catalysts are used, with considerable value and physical metal being lost as a result.

PhosponicS™, for its part, also aims to unlock new applications, hitherto, not economic and thereby increase the potential accessible market for Heraeus' refining services. Dr David Astles, CEO of PhosponicS™, commented, "This Collaboration with one of the strongest established players in the industry is strong validation of our novel scavenging technology. We are greatly looking forward to working with Heraeus to accelerate the adoption of our technology by its customers."

Heraeus, the precious metals and technology group headquartered in Hanau, Germany, is a global, private company with over 155 years of tradition. Our businesses include precious metals, sensors, dental products and biomaterials, as well as quartz glass and specialty lighting sources. With product revenues approaching € 3 billion and precious metal trading revenues of € 13 billion, as well as nearly 13,000 employees in more than 110 companies worldwide, Heraeus holds a leading position in its global markets.

More information about Heraeus can be found at www.heraeus.com

PhosponicS Ltd is a spin out company from Queen Mary, University of London. PhosponicS™ makes a diverse range of "functionalised" materials of which the metal scavengers represent one of the first examples. The metal scavengers are

also finding increasing use in pharmaceutical and fine chemical production. Other applications under development include catalysis and membranes. More information about PhosphonicS™ can be found at www.phosphonics.com

Ansprechpartner bei Heraeus und Phosphonics (Vertrieb)
(Bitte benennen)

PhosphonicS™ Enquiries:

David Astles, CEO: 01235 834466

Margaret Henry 01865 811127

For further information please contact:

Dr. Jörg Wetterau

Corporate Communications

Heraeus Holding GmbH

Heraeusstr. 12- 14

63450 Hanau

T: 06181.35-5706

joerg.wetterau@heraeus.com

www.heraeus.com