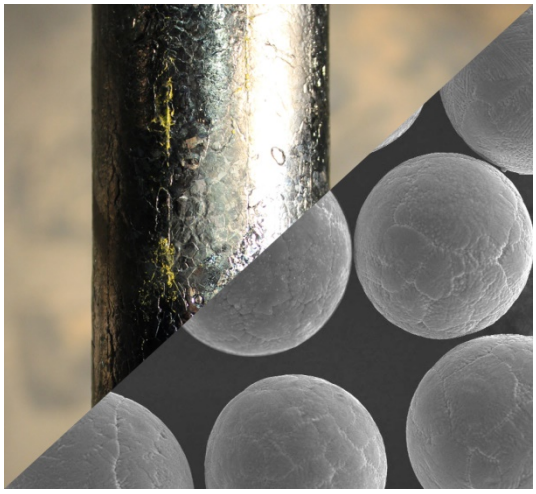
RETECH
A SECO/WARWICK COMPANY

April 19, 2017 – Ukiah, CA

PRESS **RELEASE**

Retech Systems to Present Advancements Relating to the Production of Gamma-Titanium Aluminide Ingots and Powder at the ITA Europe Conference in Amsterdam



After years of research and development between Retech and partner Ti-Solutions GmbH of Bremen, Germany, Retech has been granted patents for a hybrid Plasma Arc Melting (PAM) plus Cold Wall Induction (CWI) system as well as on a number of the associated sub-components. The single operation process converts raw materials into ingots which exhibit excellent homogeneity and a fine crystalline structure. This system solves a number of the typical issues associated with conventional melting and, ultimately, the atomization of Titanium Aluminides.

Scheduled between 14:00 and 15:00 on Thursday, May 18, 2017 at the **ITA Europe 2017** conference in Amsterdam, Netherlands, the presentation will present the recent "Advances in the Systems and Processes for the Production of Gamma Titanium Aluminide Bars and Powder" at Retech Systems LLC. It will be focused on the successful system and process development for 53, 80, 100 and 200 mm diameter ingots in lengths up to 1000 mm. Additionally, our experience with powder production equipment and associated processes for selected Gamma Titanium Aluminide alloys will be presented. All our developments have focused on cost-effective production for both product forms and, as such, an economic analysis will also be discussed.

"This is another example of Retech's commitment to developing real, viable solutions to solve the problems of today while being focused on tomorrow." stated Rob Haun, Director of Product Development. "Development of these systems and the process knowledge further support our efforts to facilitate the continued implementation of Titanium-Aluminides in markets from jet engines to automotive turbo-chargers."

Retech, a SECO/WARWICK Group company, actively works with partners and customers alike to develop equipment and process solutions to meet and exceed their expectations; this includes upstream elements as well as downstream components. Check out our website, www.retechsystemsllc.com, for the latest news and refreshed information on this and all the technologies provided by Retech and come by **Booth 40** in the exhibition hall at ITA Europe 2017.

Since 1963, Retech has been the world's leading provider of vacuum melting systems for demanding industries in ever-changing markets. Our advanced technologies have been applied to melting, refining, casting and atomizing reactive and refractory metals, such as Titanium & its alloys, super alloys and rare earth metals. Each custom system produces products with the unique metallurgical and geometric properties that are required by the application. In 2011 Retech became a part of the SECO/WARWICK group of companies which has expanded our global presence through added sales and service centers around the world. Effectively, Retech is also the most fully integrated furnace manufacturer in the world, providing customer access to our wide range of in-house resources, including technology, material and process development.

About Retech Systems LLC – www.retechsystemsllc.com

Contact
Christopher Jackson
E-mail: christopher.jackson@retechsystemsllc.com
Phone: +1 (707) 467-2998

Katarzyna Sawka – Group Marketing Director
E-mail: katarzyna.sawka@secowarwick.com
Phone: +48 512 811 648