

October 14, 2013

AMCS Corporation and Cristal USA Inc to partner on ULTRA AL-650™ Plant in Ashtabula, Ohio

Bedminster, New Jersey and Hunt Valley, Maryland (October 11, 2013)

AMCS Corporation (AMCS) and Cristal USA Inc (Cristal USA) have entered into a lump sum turn-key contract whereby AMCS will supply a customized ULTRA AL-650™ Air Separation Unit (ASU) for Cristal USA's operations in Ashtabula, Ohio. The ASU is based on current state-of-the-art technology with superior performance, high level of automation, and flexible operation. The ASU supplies 650 tons per day gaseous oxygen (GOX) and 1,000 tons per day gaseous Nitrogen (GAN) products to Cristal USA's TiO₂ facilities via pipelines. In addition to pipeline products, the ULTRA AL-650™ produces high-purity Liquid Argon (LAR), Liquid Oxygen (LOX), and Liquid Nitrogen (LIN) for internal use and for export to the surrounding liquid merchant market. In addition to the plant supply agreement, the parties have signed long-term agreements for merchant liquid sales and for Operating and Maintenance services (O&M) for the Ashtabula ASU.

"We are honored that Cristal has chosen AMCS as its strategic industrial gases partner. This is the second contract for ASUs and seventh contract in total which Cristal and AMCS have signed together for the supply of plants or performance of services. Using experience gained from working together on the ULTRA-O™ plant for Cristal Australia, The ULTRA-AL™ plant has been closely integrated with the TiO₂ facilities' requirements to optimize the economic benefits of the plant for Cristal and features world-class performance in terms of specific power and operability. Our AOS team will have real-time access to AMCS' Remote Operating Support center in NJ as well as our first line engineering team through AMCS' ULTRA-Sentry™ remote plant support system. We have optimized the Ashtabula ASU liquid production capabilities leveraging the lower production cost gained from integration with large pipeline production capacity and plant backup needs. This flexibility in liquid production will provide our AO team with the opportunity to better match the plant's production slate to local market needs thus maximizing returns for Cristal. Our role as a partner is to provide Cristal with a comprehensive and reliable solution to enable them to realize the significant reduction in their industrial gases cost brought about by their decision to buy a plant to make gases versus buying gases over the fence from a supplier" said Ishmael Chalabi, CEO of AMCS Corporation.

According to Emad Aljunaidi, Vice President –Supply Chain for Cristal, "Operational efficiency is critical to our facilities, and AMCS is able to provide us with an air separation unit that will help us be the most cost competitive and achieve superior performance and flexibility. AMCS has proven to be a strategic partner for Cristal and we're pleased to be working with them on yet another project."

AMCS is a leading global supplier of industrial gases and process plants, providing technology, equipment, and engineering services. AMCS' team is comprised of a diverse and experienced group of engineering professionals and technologists with extensive experience in the air separation, hydrogen, syngas, and natural gas industries. Collectively, the professional team holds many key technology patents and its members are recognized industry experts in cryogenic process design, adsorption technologies and mechanical design. AMCS' global customer list includes clients from

the chemicals, environmental, electronics, pharmaceuticals, glass, and metals market sectors. Along with plants producing oxygen, nitrogen, argon, neon, helium, krypton, and xenon, AMCS supplies plants for high-purity electronic gas production, liquefied natural gas production, gas processing applications and ship board process plants. As a full service technology company, AMCS has successfully executed turn-key projects in North America, Europe, South America, the Middle East, Australia-New Zealand, and the Far East.

About The National Titanium Dioxide Company (“Cristal”)

Cristal is 66% owned by National Industrialization Company (Tasnee) of Saudi Arabia. The remaining 33% is owned by the Gulf Investment Corporation (GIC), which is part of the Gulf Cooperation Council (GCC), and 1% is owned by a private investor. Cristal’s headquarters are located in Jeddah, Saudi Arabia. It operates seven manufacturing plants, two mines and three R&D facilities in six countries on five continents and employs nearly 4,000 people worldwide. The company is the world’s second largest manufacturer of titanium dioxide (TiO₂), which is a white pigment widely used in coatings, plastics and paper. Cristal is also a leading mineral sands producer; the fifth largest producer of titanium minerals and fourth of zircon. Cristal is a strong and stable global operator with best-in-class R&D facilities, strong values and a long-term investment perspective. Cristal’s ultrafine titanium dioxide CristalACTiV™ is at the core of technologies that contribute to high performing applications for cleaning and protecting the environment.