



Do you have business or industry news of interest to the minerals, metals, and materials community? Submit your announcement or press release to Kaitlin Calva, JOM Magazine Managing Editor, at kcalva@tms.org for consideration.

In Case You Missed It: **Business News from the Field**

New Partnership Targets Hydrogen

Houston, Texas, USA: Baker Hughes is collaborating with distributed energy firm Bloom Energy on the potential commercialization and deployment of integrated, low-carbon power-generation and hydrogen solutions to advance the energy transition. The collaboration will launch pilot projects over the next two to three years, with subsequent plans of fully commercializing and scaling applications, products, and solutions. The focus will initially be on integrated power solutions leveraging Bloom's solid oxide fuel cell (SOFC) technology and Baker Hughes' lightweight gas-turbine technology. Bloom's low-emissions SOFCs and Baker Hughes' NovaLT gas turbines, which can run on up to 100% hydrogen, along with heat-recovery turbines, can create resilient microgrids for large-scale applications.

BEAMIT Solidifies AM Leadership

Fornovo di Taro, Italy: The BEAMIT Group acquired British-based 3T Additive Manufacturing from AM

GLOBAL Holding, positioning it as one of the world's most advanced and integrated additive manufacturing service providers. Based in Italy, BEAMIT already ranked among the largest metal additive manufacturing service providers, when it added 3T, which is considered among the top 10 metal additive manufacturing service providers for a number of metrics. BEAMIT will continue a process of integration and

industrialization of the value chain of additive technology for mass production of high-end components for the most complex and demanding industrial sectors.

Habaş Engages SMS for Mill Upgrades

İstanbul, Turkey: Habaş A.S., a Turkish steel producer, awarded SMS Group a contract to expand the hot strip mill at the company's Aliğa plant near İzmir. The project will increase the SMS-built mill's annual capacity to 4.5 million metric tons. The upgrade will include the installation of a second roughing stand with attached edger and a third downcoiler. Commissioning is scheduled for early 2023.

New Technique Extracts Metals Exeter, U.K.:

An international research team devised a proof of concept of a new method to extract metals using a targeted electric field for in situ recovery. The study demonstrates the application of an electric field to control the movement of an acid within a low permeability copper-bearing ore deposit to selectively dissolve and recover the metal in situ. The team of experts from the University of Western Australia, Commonwealth Scientific and Industrial Research Organisation, Technical University of Denmark, and the University of Exeter believes the new technique is transformative to the mining industry for its non-invasive nature.

Pandora Picks Lab-Grown Diamonds

Copenhagen, Denmark: Major jewelry retailer Pandora announced the launch of a new lab-grown diamond jewelry collection, available first in the U.K. and then globally starting in 2022. The company is transitioning to the use of lab-grown diamonds only, which can cost 30% to 40% less than mined diamonds, in the hopes of attracting new customers with lower prices. Analysts from Bain & Company reported double-digit growth in the production of lab-grown diamonds in 2019 and 2020, while rough diamond production has continued to drop since peaking in 2017.



London, U.K.: British manufacturer Liberty Powder Metals earned two quality certifications to enable its expansion into the aerospace sector: EN 9100 is the internationally recognized Quality Management System for the aerospace industry; ISO 9001 is the equivalent system for general industry. The certifications cover the manufacture, processing, and testing of metallic alloy powders for near net shape and additive manufacturing applications. Liberty's atomizer produces a range of stainless steel and nickel superalloy powders that enable 3D printing of precision components. (Photo credit: Liberty Powder Metals)