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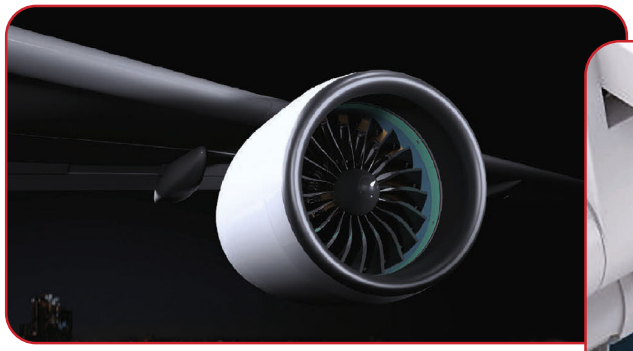
*In Case You Missed It:*

# BUSINESS NEWS FROM THE FIELD

Do you have business or industry news of interest to the minerals, metals, and materials community?

JOM THE MAGAZINE

Submit your announcement or press release to Kelly Zappas at kzappas@tms.org.



**East Hartford, Connecticut, USA:** The maintenance, repair, and overhaul (MRO) network for Pratt & Whitney's GTF™ engine announced its second operational facility in Japan and 11th worldwide with the addition of Mitsubishi Heavy Industries Aero Engines Ltd., part of Japanese Aero Engine Corporation. This is part of the overall expansion of their facility and provides more immediate support for customers in the Asia-Pacific region. *(Photo Credit: Pratt & Whitney)*

## Alcoa Expands Low-Carbon Alumina Brand

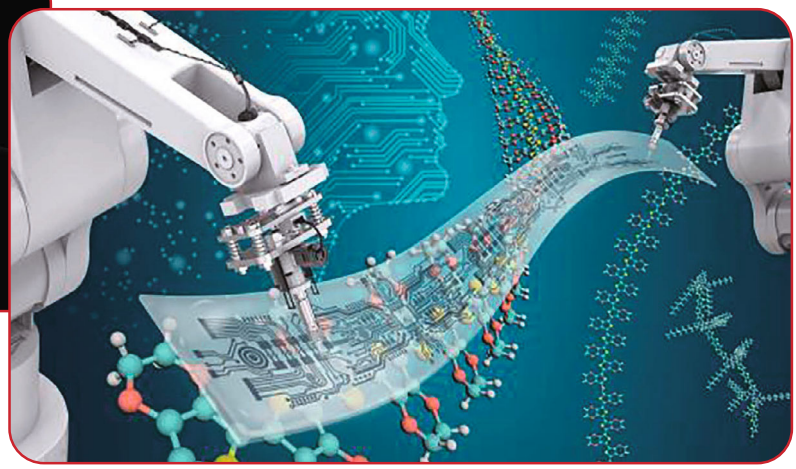
**Pittsburgh, Pennsylvania, USA:** Alcoa announced the expansion of its EcoSource™ low-carbon alumina brand. Launched in 2020 for smelter-grade applications, EcoSource is now offered in non-metallurgical grades, including hydrates and calcined materials.

## Australian and U.S. Researchers Collaborate on Nano-Architectured Materials

**Camperdown, Australia:** Scientists at the University of Sydney have been awarded a grant from the Australia-U.S. International Multidisciplinary University Research Initiative to join other Australian and U.S. researchers, led by Columbia University, to create responsive materials using nanoparticle self-assembly. These scientists will use nanoparticle self-assembly to establish a new class of materials that can operate as complex devices. One goal is to see how manufactured nanomaterials can mimic the responsiveness of biological systems to external stimuli, including light, heat, and magnetism.

## California Nanotechnolgies and Fritsch Form Partnership

**Los Angeles, California, USA:** California Nanotechnologies Corp. signed a memorandum of understanding with Fritsch Milling & Sizing, Inc. to collaborate on new business development opportunities. The collaborators aim to offer services in material grinding, milling, particle size reduction, mechano-chemistry, and mechanical alloying.



**Lemont, Illinois, USA:** Researchers at Argonne National Laboratory have established an autonomous discovery laboratory called Polybot. This self-driving laboratory will help speed up discovery time as it automates aspects of electronic polymer research, allowing the scientists to focus on tasks that only humans can accomplish. This tool utilizes the computational power of artificial intelligence and the automation possibilities of robotics. Its main goals are to streamline experimental processes, save resources, and accelerate the rate of discoveries. *(Photo Credit: Argonne National Laboratory)*

## Northshore Mining's Iron Range Reopens

**Silver Bay, Minnesota, USA:** After being shut down for almost a year, Northshore Mining partially reopened their iron ore operation in April 2023. Northshore mines taconite and then ships it to Silver Bay where it is made into marble-sized balls of more than 60% iron. According to Cleveland-Cliffs' (Northshore's parent organization) CEO, Northshore's partial restart is due to higher levels of steel production, and Northshore will be used as needed, serving as a swing operation. Cleveland-Cliffs is the largest iron ore miner in Minnesota and one of the biggest steelmakers in the country.

## Seurat Technologies Partners with Siemens Energy on Metal Parts

**Wilmington, Massachusetts, USA:** Seurat Technologies, a 3D metal printing company, announced an agreement to develop 59 tons of additively manufactured metal components for Siemens Energy turbines. Siemens has also invested in Seurat Technologies through its venture arm, Siemens Energy Ventures, which builds, pilots and invests in startups that are developing innovative energy and decarbonization technologies and business models.