

Hyperion Metals Ltd. Signs MoU With Chemours

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- MoU for the potential supply of titanium feedstocks to Chemours, one of the world's largest producers of high-quality titanium dioxide products for coatings, plastics, and laminates

- Chemours operates a pigment plant at New Johnsonville, located ~20 miles from Hyperion's Titan Project

- The Titan Project provides a material logistics advantage over feedstocks imported to the U.S., enabling the potential for significant reductions in carbon emissions in the mine to market supply chain

[Hyperion Metals Ltd.](#) (ASX: HYM) is pleased to announce that it has entered into a non-binding Memorandum of Understanding ("MoU") with The Chemours Company FC, LLC for the potential supply of the titanium feedstocks ilmenite and rutile, as well as the industrial mineral staurolite, from Hyperion's Titan Project in west Tennessee to Chemours.

The MoU contemplates the commencement of negotiations of a supply agreement between Hyperion and Chemours for an initial five-year term on an agreed market-based pricing methodology for the annual supply of up to 50,000 tonnes of ilmenite, 10,000 tonnes of rutile and 10,000 tonnes of staurolite.

Chemours is one of the world's largest producers of high-quality titanium dioxide products for coatings, plastics, and laminates. Chemours has a nameplate titanium dioxide capacity of 1,250,000 tonnes globally, including New Johnsonville, Tennessee, located 20 miles from Hyperion's Titan Project, and DeLisle, Mississippi, located 1,100 miles by back haul barge on the Mississippi River.

Hyperion holds a 100% interest in the Titan Project, covering ~11,000 acres of titanium, rare earth minerals and, zircon rich mineral sands properties in Tennessee, USA. The Titan Project is strategically located proximal to the town of Camden in the southeast of the USA, with low-cost road, rail and water logistics connecting it to world class manufacturing industries and customers.

Hyperion's maiden mineral resource estimate has confirmed that the Titan Project is one of the largest and most important critical mineral deposits in the U.S., with a high in-situ value underpinned by a product assemblage of high value zircon, titanium minerals and heavy and light rare earth elements. The shallow, high grade and unconsolidated nature of the sandy mineralization enables the potential for simple mining operations such as dozer push followed by an industry standard mineral processing flowsheet.

The Titan Project benefits from a material logistical advantage over critical minerals imported into the U.S., enabling the potential for significant reductions in carbon emissions in the mine to market supply chain through sales agreements with domestic customers, including potentially, Chemours.

Carbon emissions associated with seaborne transportation have been estimated, indicating the saving of between 2,300 - 5,000 tonnes of CO₂ per one way journey from major titanium export ports, which converts to approximately 50 - 200 kg of CO₂ per tonne of product. As a comparable benchmark, the average passenger vehicle in the USA emits around 4.5 tonnes of CO₂ per year.

Full details of the announcement can be found [here](#).

Anastasios (Taso) Arima, CEO and Managing Director said:

"We are excited to be working with Chemours, the world's largest producer of high-quality titanium dioxide products, a vertically integrated company also operating the only major heavy mineral sand mine in the U.S."

The combination of high quality critical minerals at the Titan Project and its proximity to Chemours' New Johnsonville operation, one of the largest pigment plants in the world, provides a compelling opportunity to develop a partnership to grow a low carbon domestic supply chain of critical mineral feedstocks in the U.S."

About Hyperion Metals

Hyperion's mission is to be the leading developer of zero carbon, sustainable, critical material supply chains

for advanced American industries including space, aerospace, electric vehicles and 3D printing.

Hyperion holds a 100% interest in the Titan Project, covering approximately 11,000 acres of titanium, rare earth minerals, high grade silica sand and zircon rich mineral sands properties in Tennessee, USA.

Hyperion has secured an option to acquire Blacksand Technology, LLC, which holds the rights to produce low carbon titanium metal and spherical powders using the breakthrough HAMR & GSD technologies. The HAMR & GSD technologies were invented by Dr. Z. Zak Fang and his team at the University of Utah with government funding from ARPA-E.

The HAMR technology has demonstrated the potential to produce titanium powders with low-to-zero carbon intensity, significantly lower energy consumption, significantly lower cost and at product qualities which exceed current industry standards. The GSD technology is a thermochemical process combining low-cost feedstock material with high yield production and can produce spherical titanium and titanium alloy powders at a fraction of the cost of comparable commercial powders.

Hyperion also has signed an MOU to establish a partnership with Energy Fuels (NYSE:UUUU) that aims to build an integrated, all-American rare earths supply chain. The MOU will evaluate the potential supply of rare earth minerals from Hyperion's Titan Project to Energy Fuels for value added processing at Energy Fuels' White Mesa Mill. Rare earths are highly valued as critical materials for magnet production essential for wind turbines, EVs, consumer electronics and military applications.

For further information:

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