

Peninsula Mines Ltd

09:56 09 Jan 2019

Peninsula Mines signs graphite MOU with Korean lithium-ion battery anode supplier

Peninsula Mines Ltd (ASX:PSM) has signed its first Memorandum of Understanding (MOU) with key Korean lithium-ion battery materials manufacturer Tera Technos Co Ltd.

The MOU involves initial testing of graphite concentrate samples from Peninsula's flagship Gapyeong Graphite Project, and possibly the Eunha Graphite Project, both in South Korea.

"Toe-hold in dynamic li-on industry"

Peninsula's managing director Jon Dugdale said the MOU represented a toe-hold in the world's most dynamic lithium-ion battery industry in South Korea.

"The company will now look to complete ground-breaking spheroidisation and electrochemical testing, in parallel with advancing its key graphite projects towards development and production," he said.

Peninsula's subsidiary Korea Graphite Co Ltd has entered the agreement with the South Korean high-technology manufacturing company.

Tera Technos specialises in the production of high-performance carbon composite 'SiOx' anode materials, a modified and enhanced version of spherical graphite.

READ: Peninsula Mines intersects high-grade flake graphite in Gapyeong drilling

The MOU includes an initial Tera Technos testing program to complete spheroidisation and electrochemical test work on Korea Graphite's graphite concentrate samples.

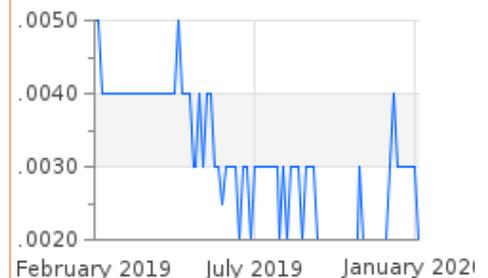
Subject to test results, Tera Technos and Korea Graphite will use their best endeavours to negotiate a cooperation and offtake agreement.

This would allow Korea Graphite first priority to supply flake graphite concentrate to meet tonnage requirements and specifications required for the production of Tera Technos' proprietary 'Tera-Series', (spherical) carbon composite anode materials.

READ: Peninsula Mines receives cash injection from sale of Daehwa project

For the testing Korea Graphite will provide flake graphite concentrate samples with total graphitic carbon (TGC) content of greater than 95% on the following specifications:

1 Year Share Price Graph



Share Information

Code: PSM

Listing: ASX

Sector: General mining & base metals

Website: www.peninsulamines.com.au

Company Synopsis:

Peninsula Mines Ltd (ASX:PSM) is listed on the Australian Securities Exchange.

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- 1 kilogram at 20µm; - 1 kilogram at 75µm; and - 1 kilogram at 150µm.



Graphite from Peninsula's Gapyeong project.

Tera Technos is a South Korean company, incubated and funded by the Korea Institute of Energy Research (KIER) that the Korean government established in 1977.

High capacity, high efficiency and high stability

It manufactures and supplies high-performance carbon composite SiOx anode material that "can overcome the limitations of conventional anode materials for batteries and realise high capacity, high efficiency and high stability at the same time".

This is based on source technology that has been studied for more than 10 years.

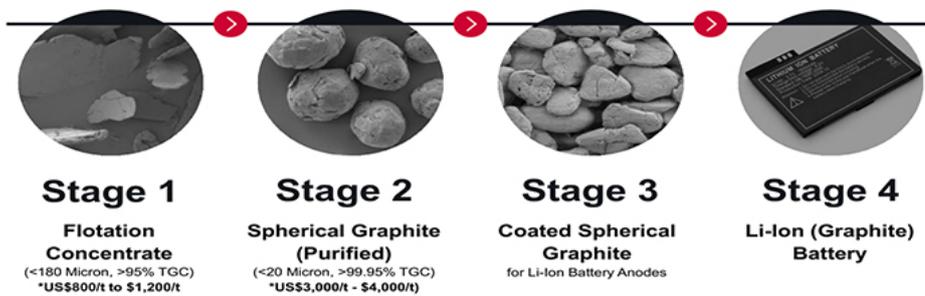
Tera Technos is collaborating with research institutes around the world to achieve sustainable innovation and produce an anode material for a lithium rechargeable battery with a high capacity, a high retention ratio, and excellent stability.

This would improve the range and charging efficiency of an electric vehicle and increase the usage duration of small electronic devices.

The company plans full production of high-performance carbon composite SiOx anode materials from 2019.

Securing the graphite supply chain from mine to battery

graphite production and downstream processing value-add



Peninsula's supply strategy. Note: US\$ pricing from Benchmark Mineral Intelligence graphite price assessments, July-December 2018.

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