ASX ANNOUNCEMENT

3 October 2022

MOU Signed with Pure Battery Technologies & GM Battery Materials Technology Appointed

- **ChemX Materials signs MOU with Pure Battery Technologies (PBT) to supply suitable manganese to PBT's proposed Australian battery material refinery hub**
- **ChemX Materials progresses its growth strategy with the appointment of Tony Tang as GM of Battery Materials Technology**

ChemX Materials Ltd (ASX:CMX) (**ChemX** or the **Company**), a materials technology company focused on providing the critical materials required for electrification and decarbonisation, is pleased to announce it has signed a Memorandum of Understanding (MOU) with Pure Battery Technologies (PBT) which could lead to ChemX supplying suitable manganese to PBT's proposed battery material refinery hub in Kalgoorlie, Western Australia.

PBT is pursuing the development of a battery cathode active material refinery hub in Kalgoorlie after being granted A$119.6 million in the Modern Manufacturing Initiative from the Australian Federal Government.

Under the MOU, which is non-exclusive for either party, ChemX and PBT will progress studies and associated works to enable ChemX to supply a suitable manganese product to PBT's Kalgoorlie battery hub, from the Company's High Purity Manganese Sulphate Monohydrate (HPMSM) Project located on the Eyre Peninsula in South Australia.

ChemX Managing Director David Leavy said, "The MOU will be mutually beneficial for PBT and ChemX as they execute their respective strategies in complementary segments across the lithium battery value chain.

Our 100 per cent-owned South Australian Jamieson Tank Manganese Project shall now focus on further exploratory drilling and manganese testwork for production of HPMSM, which is particularly suitable for the lithium battery cathode precursor market."

ChemX and PBT will meet their own costs in undertaking the studies covered under the MOU and will cooperate in good faith to negotiate a binding offtake agreement should ChemX's manganese project proceed to development. The parties aim to complete the studies within the next six months.

Appointment of General Manager - Battery Materials Technology

ChemX has appointed experienced metallurgical engineer Tony Tang as General Manager of Battery Materials Technology, with the key deliverable of driving the studies and development of the Jamieson Tank HPMSM Project.

Mr Tang joins ChemX from Blackstone Minerals (**ASX:BSX**) where he was General Manager of Project Development – Downstream.

Mr Leavy stated, "Mr Tang is a welcome addition to the Company and will be primarily focused on the advancement of the Jamieson Tank HPMSM Project. His extensive technical knowledge will also be valuable in the development of ChemX's Rare Earth Elements (REE) and Kaolin opportunities across its wholly owned tenements on South Australia's Eyre Peninsula.

Mr Tang has significant experience in a range of metallurgical processes but has been focused on the development of battery materials for over 10 years. He has been and will continue to be involved with the Future Battery Industries Cooperative Research Centre (FBICRC) project at Curtin University, assisting their work on new precursor battery materials."

Mr Tang will be eligible for participation in the Company's Employee Securities Incentive Plan.

In addition, in accordance with listing rule 3.14, the Company advises that it has secured new premises as its principal place of business at, 3 Flindell Street O'Connor W.A. The new Perth facility will allow the Company to house its High Purity Alumina (HPA) Micro Plant and the HiPurA® HPA Pilot Plant, alongside the development of Manganese testwork programs, in one dedicated facility.

This Announcement has been authorised for release by the Board.

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About Pure Battery Technologies (PBT)

Pure Battery Technologies Pty Ltd (PBT) was established in 2017 and is headquartered in Queensland. PBT commercialised and patented the Selective Acid Leaching (SAL) process. The SAL process was developed by the University of Queensland and has been commercially proven to produce high-quality, more affordable nickel and cobalt battery materials with a lower environmental footprint. PBT currently utilises Mixed Hydroxide Precipitate (MHP) to produce nickel and cobalt materials for Lithium-Ion Batteries (LIB).

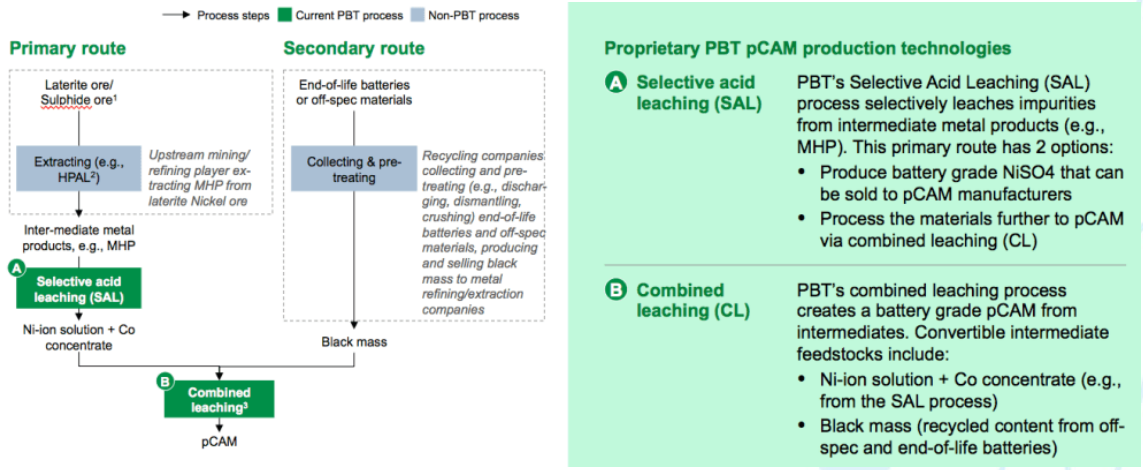

Figure 1 – PBT's Technology

PBT's technology can also be used to recycle existing LIB materials creating a closed-loop lifecycle for these critical battery minerals. In September 2020, PBT acquired an existing refinery in Hagen, Germany, providing a base to demonstrate the commercial viability of PBT's technology. PBT is a publicly unlisted company.

Further information on PBT can be found at www.purebatterytech.com

About ChemX Materials (ASX: CMX)

ChemX is a materials technology company focused on providing critical materials required for electrification and decarbonisation. The Company's vision is to support the energy transition with materials and technology that provide real solutions to lowering carbon emissions.

Developed in-house, ChemX's HiPurA® Process is a unique technology that is capable of producing high purity alumina (HPA) and high purity aluminium cathode precursor salts for lithium-ion batteries. Initial testwork has indicated that the process is low cost and low in energy consumption, compared to alternative technologies. A key competitive advantage is that the HiPurA™ process is not tied to mine production, with the feedstock being a widely available chemical.

The Company has projects in South Australia and Western Australia.

The South Australian Eyre Peninsula projects include the Kimba Kaolin/REE Project and the Jamieson Tank Manganese Project. The ChemX HiPurA® Project is located in Western Australia.

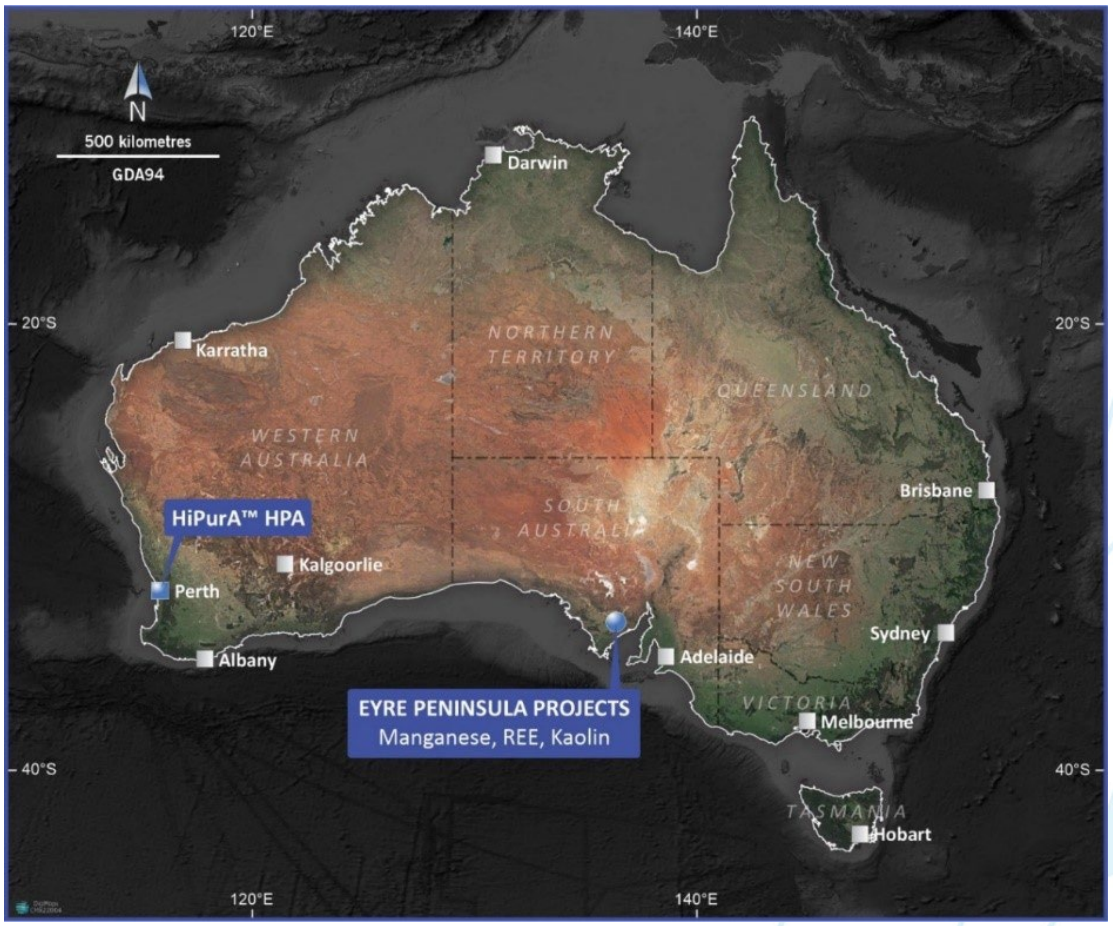

Figure 2 - ChemX Project Locations

www.chemxmaterials.com.au

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