



Pure Battery Technologies

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Pure Battery Technologies fast-tracks battery recycling with \$2.2M grant

Queensland battery material innovator will fast-track its recycling capability and production of NMC cathode material thanks to a \$2.2M grant from the federal government.

Pure Battery Technologies (PBT) was established in 2017 and has been commercialising technology developed by The University of Queensland (UQ) to extract and process nickel and cobalt as clean energy material for use in lithium-ion batteries.

The PBT processing technology is extremely efficient and environmentally friendly.

PBT was awarded the \$2.2M Cooperative Research Centres Project (CRC-P) grant this month and follows an announcement by Minister for Industry, Science and Technology, the Hon Mrs. Karen Andrews.

Managing Director and CEO Bjorn Zikarsky said the growing demand for batteries cannot be satisfied over time by the continued exploitation of mineral ore itself and a circular economy approach is required.

“Our commercially demonstrated processing technology is highly disruptive to the existing nickel processing industry and aims to be a game-changer in the international electric vehicle (EV) market,” he said.

“By extending our product portfolio from battery salt to making NMC cathode pre-cursor material and incorporating recycling we can ensure a future feedstock for new batteries.

“This security of metal supply will help us to meet the growing demand for high-quality batteries, further reduce the environmental load and ensure broader sustainability of the energy storage and EV market,” he said.

Dr Dean Moss, CEO of UniQuest said the CRC-P grant was another vote of confidence in the UQ research underpinning the technology being developed by PBT.

“This is a fantastic example of successful research translation,” he said.

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Media Contact:

Bjorn Zikarsky (07) 3171 4500 info@purebatterytech.com