

LITHIUM BATTERY AND ENERGY METALS CONFERENCE 2022



Title: Urban Mining: Direct Lithium-Ion Battery Recycling Process

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The world is experiencing exponential market growth for lithium-ion batteries. The Saskatchewan Research Council (SRC) is focused on developing a sustainable direct lithium-ion battery recycling process to recover the battery metals directly and selectively. SRC's direct recycling process will recover steel, aluminium and copper metals directly through an advanced sorting and disassembly process. Other metals, including lithium, cobalt, nickel and manganese, are selectively leached and separated using leaching and solvent-extraction technologies. Ninety-seven per cent of the lithium in the cathode materials can be selectively extracted from the other metals, which are further separated using solvent extraction to produce high-purity final products for reuse in new battery manufacture.

Webinar: Urban Mining- Direct Lithium-Ion Battery Recycling Process

Wednesday 5 October, 12.00-12.45pm

Further information and to register can be [found here](#).