Livium Completes Synergy BESS Recycling Project Underpinning future WA expansion

Highlights

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- **Successful completion of a strategic battery recycling project for Synergy's Alkimos Beach Community BESS, demonstrating Livium's end-to-end capability for large-format systems**
- **Project delivered for Synergy, a leading Western Australian energy provider, providing direct validation of Envirostream's operational capability on a landmark asset**
- **Completion demonstrates the commercial model for future grid BESS recycling, reinforces WA as a key growth state, and establishes a foundation for collaboration with energy utilities and infrastructure owners**
- **Recycling outcomes reported included ~11.6 tonnes of material recovered and diverted from landfill — demonstrating Livium's principles of traceability, auditability, capability, compliance, and risk management**

Livium Ltd (ASX: LIT) ("Livium" or the "Company") is pleased to announce the successful completion of a strategic battery recycling project for Synergy's Alkimos Beach Community Battery Energy Storage System (Alkimos BESS), marking an important milestone in demonstrating the Company's operational capabilities and domestic growth strategy.

Through its wholly owned subsidiary Envirostream Australia Pty Ltd ("**Envirostream**"), Livium delivered a fully integrated end-of-life solution including logistics, dismantling, processing, and material recovery, with all activities undertaken at Envirostream's Australian facilities.

This project was delivered for Synergy, Western Australia's state-owned electricity generator and retailer, which has recently commissioned the largest battery energy storage system in the country and continues to expand its portfolio of similar assets across the state. Currently Synergy has 26 generation assets in operation and two in construction. Synergy has three utility scale battery energy storage systems[1].

Western Australia is a key growth region for Livium, underpinned by increasing electrification across both the energy and mining sectors. This project provides a foundation for expanding our presence in the state as volumes of end-of-life batteries continue to grow.

Livium CEO and Managing Director, Simon Linge commented *"This project was an important showcase of Livium's ability to successfully execute a fully integrated, end-to-end recycling solution for large-format battery systems from any location within Australia.*

The successful delivery of this project not only validates our technical and operational capability but also reinforces the role Livium can play in supporting the lifecycle management of Australian energy storage infrastructure with leading players in the energy market, such as Synergy.

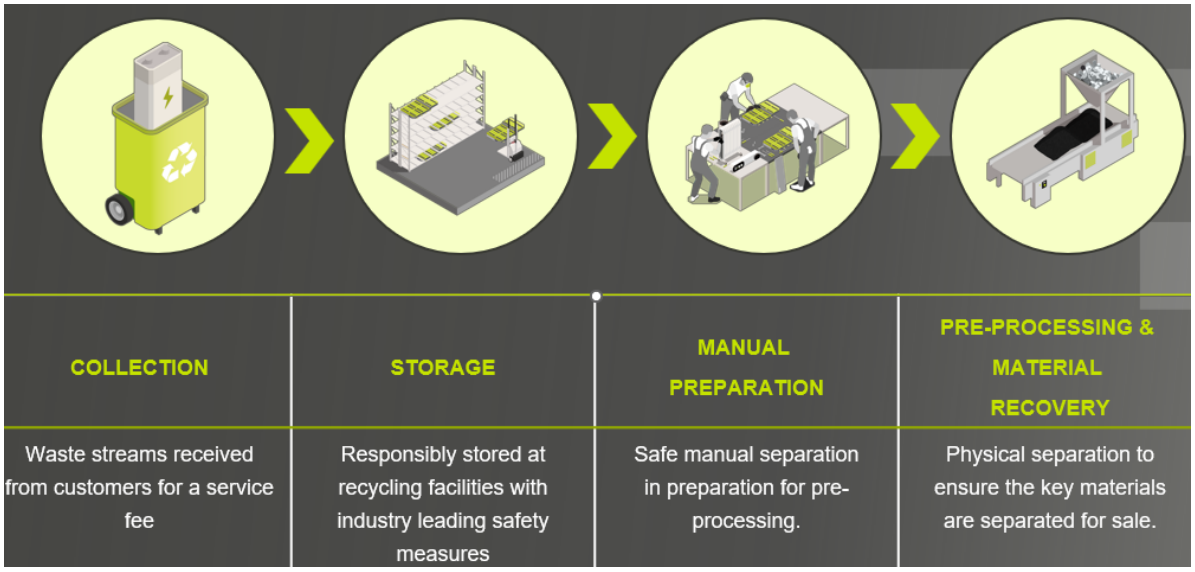
Our operating model is built around the principles of traceability, auditability, capability, compliance, and risk management. These standards underpin safe, transparent and accountable battery recycling services that support our customers' ESG commitments, regulatory expectations, and public confidence."

[1] Synergy 2025 Annual Report

Project overview and process

The project took place across the country, starting in Western Australia and achieving completion at Envirostream's Victorian facilities. It involved collecting the Alkimos BESS batteries in Western Australia and transporting them to Victoria for dismantling, discharging, and processing at Envirostream's facilities. In total, 348 lithium-ion battery modules were processed, which is approximately 16.3 tonnes, and an overall recycling rate of approximately 71.5% was achieved resulting in ~11.6 tonnes of material successfully recovered, including ~4.6 tonnes of black mass, which is currently being planned for shipment to Envirostream's black mass processing partners.

The recycling process involved a structured, end-to-end workflow beginning with the safe collection and transport of battery modules in accordance with Dangerous Goods requirements, followed by receipt, inspection, and verification at Envirostream's facilities (as summarised in the graphic below). Modules then underwent controlled discharge and dismantling to cell level under strict safety protocols.



Graphic 1. Envirostream Process Summary

Figure 1: Collection and transport

Figure 2: Inspection and dismantling

Materials were subsequently segregated into metals, plastics, electronic components, and battery cells, with metals directed to domestic recycling markets and battery cells processed into mixed metal dust for downstream refining. This approach ensured safe handling, regulatory compliance, and maximised recovery of valuable materials.

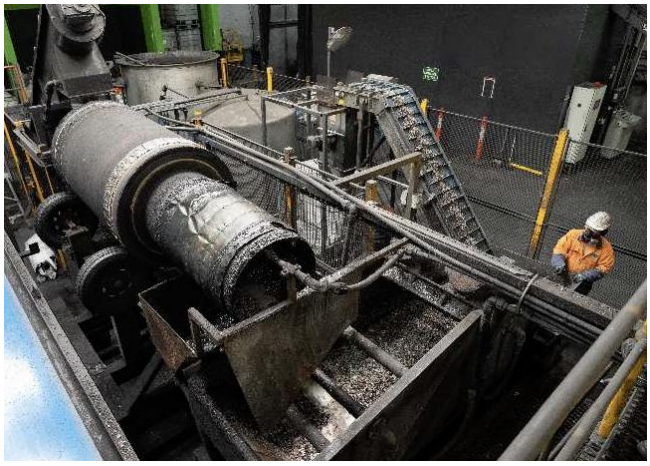


Figure 3: Materials separation

Figure 4: Processed material for refining

Validation of domestic growth strategy and platform scalability

The successful delivery of a complex BESS recycling project reinforces Livium's ability to safely and efficiently manage end-of-life lithium-ion batteries at scale, including full traceability, regulatory compliance, and downstream material recovery. It also highlights Livium's ability to work alongside energy utilities and infrastructure owners and provides a replicable model for future engagements across utility-scale and distributed energy storage assets.

The project effectively diverted 11.6 tonnes of material from landfill. Please refer to Appendix A for a breakdown of the primary materials from this project.

Authorised for release by the Managing Director and CEO.

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About Livium

Livium Ltd (ASX: LIT) is Australia's leading battery recycler through its wholly owned subsidiary Envirostream — a profitable business focused on the recovery of valuable materials from end-of-life batteries.

Building on this foundation, Livium is expanding into adjacent opportunities including recycling of rare earth elements and solar panels, and the processing of black mass — strengthening Australia's clean-energy supply chain.

Forward-looking statements

This announcement contains forward-looking statements. Forward-looking statements are subject to a variety of risks and uncertainties that it is beyond the Company's ability to control or predict, and which could cause actual events or results to differ materially from those anticipated in such forward-looking statements. Investors should be aware that past performance should not be relied upon as being indicative of future performance.

Appendix A: Primary materials recovery breakdown

The project delivered strong recovery of high-value materials, reflecting both the composition of lithium-ion batteries and the effectiveness of Livium's processing capabilities:

- **Steel** – 5,935 kg (36.4%) recovered from the wiring and electrical components.
- **Mixed metal dust (MMD)** – 4,627 kg (28.4%) containing lithium, nickel, cobalt, manganese, aluminium and copper for downstream refining.
- **Plastic (non-recyclable) –** 4,125 kg (25.3%) primarily from separator films and casing materials.
- **Copper** – 774 kg (4.8%)
- **Other waste (electrolyte losses)** – 514 kg (3.2%)
- **Aluminium** – 241 kg (1.5%) recovered from internal cooling and structural components.
- **Electrical components** - 70 kg (0.4%) including BMS and control systems.

The high proportion of recovered metals highlights Livium's ability to maximise recovery of valuable materials while supporting downstream recycling markets and circular supply chains.

For more information about the Alkimos Beach Energy Trial visit: Synergy - Alkimos Beach Energy Trial