

londrive to be Benchmarked Against Global Leaders in European LCA Study

Highlights

- londrive joins a major European consortium led by RWTH Aachen University and Fraunhofer FFB to benchmark life cycle impacts and costs of battery recycling processes
- The Life Cycle Assessment (LCA) study includes global players such as Primobius, Fortum, Umicore, and Porsche Consulting
- londrive's DES-based recycling technology will be evaluated against traditional hydrometallurgical and pyrometallurgical methods

londrive Limited (ASX: ION) ("londrive" or "the Company") has formally joined an international consortium led by RWTH Aachen University and Fraunhofer FFB to benchmark life cycle impacts and costs across battery recycling technologies.

The LCA assessment is a key part of londrive's commercialisation strategy in Europe, following the February 2025 PFS. Independent validation through a leading European consortium enhances credibility with customers and regulators, improving future licensing, partnerships, funding and commercial opportunities.

londrive Limited Dr CEO Ebbe Dommisse commented:

"Joining this world-class consortium is a significant milestone for londrive. It gives us the opportunity to have our DES-based process independently benchmarked alongside some of the most established battery recycling technologies in the world. More importantly, it's a chance to shape how the global industry defines sustainability, cost-efficiency, and performance — and to demonstrate how our approach stands up in a competitive, data-driven setting."

The Life Cycle Assessment and Life Cycle Costing study will provide a neutral comparison of environmental and cost performance across recycling methods. The LCA study is at no additional cost to londrive, with the study being sponsored by RWTH Aachen University, as part of their collaboration agreement with londrive. The first session was held in July 2025, with two follow-up sessions planned in Germany later this year and a final report expected before the end of calendar year 2025. **Consortium participants include:**

- londrive Ltd (Australia)
- RWTH Aachen University – PEM (Germany)
- Fraunhofer FFB (Germany)
- Primobius GmbH (Germany)
- Fortum Battery Recycling (Finland)
- Umicore (Belgium)
- Reckelberg (Germany)
- Lödige Process Technology (Germany)
- Porsche Consulting (Germany)

Approved for release by the Board of londrive Limited.

Further Information

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About londrive

londrive is developing an innovative metal extraction process using Deep Eutectic Solvent technology (DES). Its initial business case is focussed on battery recycling where the proprietary method is designed to efficiently recover critical minerals, including nickel, cobalt, lithium, and manganese, from black mass in a closed-loop, environmentally friendly solvometallurgical process. Unlike conventional hydrometallurgical and pyrometallurgical approaches, londrive's DES technology operates at lower temperatures, eliminates the need for aggressive acids, and offers a tuneable chemistry that can selectively extract individual metals. Whilst progressing the battery recycling application for its DES technology, londrive is actively seeking to expand the commercialisation opportunities into other markets, including mineral processing and urban mining of electronic waste.