



HPB and cylib start collaboration

→ cylib will evaluate the sustainability by recycling of the HPB Solid-State Battery

→ Both companies started to explore the full range of opportunities for collaboration in the field of battery recycling

High Performance Battery Technology GmbH and cylib GmbH start a collaboration to evaluate the sustainability by recycling of the HPB Solid-State Battery

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HPB partners with cylib, a start-up for holistic and innovative battery recycling.

To create a sustainable circular economy, the proprietary cylib deep tech and end-to-end recycling technology offers an efficient resource- and climate friendly recovery of all battery raw materials, including lithium, graphite and nickel from battery packs or production scraps. Recycled materials are considered to possess a lower footprint than virgin raw materials. The cylib process increases this advantage due to a patent-filed CO₂ efficient technology.

With the cylib process HPB expects to enhance the given easy recyclability of the HPB Solid-State Battery by innovative and climate-friendly recycling procedures all the way down to pyro- and hydrometallurgical extraction of raw materials. This allows for an even more sustainable transfer of waste from end-of-life batteries or production scrap into marketable

products. Since the whole process is in one hand, also the processing of production scraps as well as black mass is possible.

HPB CEO Dr. Sebastian Heinz: “Today’s mass battery production may turn out to be tomorrow’s gigantic resource and disposal problem: To solve one sustainability problem, a new one would have been created. We are therefore delighted to partner with cylib to pave the way for a holistic and sustainable solution for recycling the HPB Solid-State Battery.”

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About cylib

cylib is a start-up for holistic and innovative battery recycling, starting from discharging to recovery of all components of the lithium battery.

cylib was founded in Aachen in 2022 by Lilian Schwich, Paul Sabarny, and Dr. Gideon Schwich. Learn more about cylib on: www.cylib.de

About HPB

High Performance Battery Technology GmbH is a young company specialising in the research and development of a new generation of batteries with outstanding properties. The HPB Solid-State Battery is characterised by its non-flammability, extreme durability and significantly improved environmental properties – and is already ready for series production thanks to an innovative production process. HPB cooperates with renowned European plant engineering companies for industrial production.

High Performance Battery Technology GmbH, based in Bonn/DE, is a wholly owned subsidiary of High Performance Battery Holding AG, based in Teufen/CH, which is responsible for financing the research work: highperformancebattery.ch