

Deliverable 7.2 SSB Recycling Process Flow Design

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Public Summary

The present deliverable overviews the PULSELiON project's initiative to create a novel recycling process for solid-state batteries. It defines the core **conceptual recycling process flow** for next generation solid-state cells developed in PULSELiON project. The process will be empirically validated and optimized in the subsequent project phases. These phases encompass the recycling of manufacturing scrap and end-of-life/tested solid-state batteries.

The development of such innovative recycling process is grounded in an exhaustive literature review, which assesses suitable and compatible techniques for recycling individual cell components. This evaluation considers the chemical properties of these components and their potential hazards, ensuring a method that aligns with both environmental sustainability and process safety principles.

