



The European Union is committed to achieving a climate-neutral Europe with net-zero emissions by 2050. Batteries play a crucial role in electrifying key sectors and reducing carbon emissions. However, the increasing demand for batteries will lead to risky critical raw materials dependencies and environmental challenges when they reach the end of their first life.

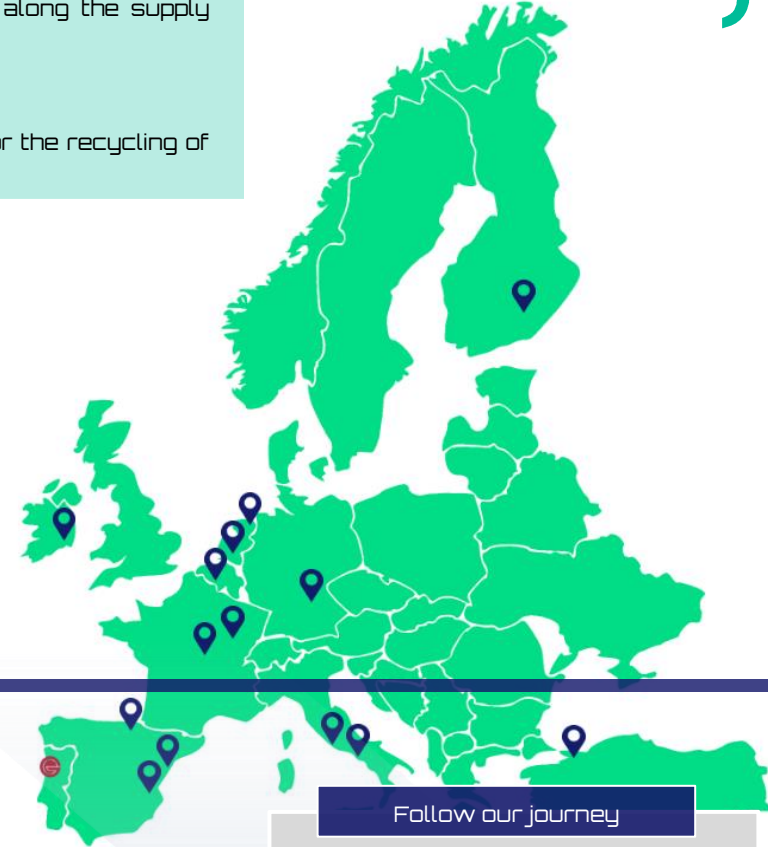
End-of-life, defective and unstable batteries pose new challenges along the supply chain. To tackle these challenges, we need:

- New Safe Industrial Processes
- Automated Equipment, and Tracking Systems
- New Strategies to prepare them for second or third life and/or for the recycling of critical materials

REINFORCE will focus on:

- ✓ Optimizing collection and logistics
- ✓ Improving early sorting and diagnostics
- ✓ Enhancing energy recovery for lithium-ion batteries
- ✓ Implementing safe dismantling and component sorting processes
- ✓ Establishing a traceability system
- ✓ Defining standardization guidelines
- ✓ Developing new solutions to give a second and third life to batteries

“ REINFORCE aims at creating a circular value chain for lithium batteries through efficient life-cycle extension and recycling. ”



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