

TEMPÈST

Towards the new generation of safe-by-design, recyclable, high-performance, and lightweight batteries.



SAFETY

- Guided-wave Structural Health Monitoring for defect detection.
- Flame retardant/resistant materials & coatings.
- New thermal management techniques and Battery Management Systems.
- Impact resistant all-composite housings.



PERFORMANCE

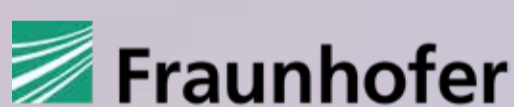
- Cell-to-pack architectures
- Next-Gen Lithium cells & Solid State cells.



SUSTAINABILITY

- Reversible joining to facilitate repair and separation of bonded components.
- H₂-based recycling methods for extracting, recovering and transforming the components of the cells.
- Digital tools for develop synergistic gains in performance and efficiency.

CONSORTIUM



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