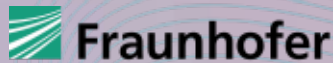


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PERFORMANCE

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

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.

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.

TEMPEST brings advanced, module-free battery systems, optimised using artificial intelligence algorithms through three different demonstrator battery types (compact, large-scale, and stationary).



AUTOMOTIVE



AIRCRAFT



MARITIME



RAILWAY



STATIONARY