TEMPĖST











AUTOMOTIVE

AIRCRAFT

MARITIME RAILWAY

STATIONARY

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



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























www.tempestproject.eu

TEMPEST Project



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Co-funded by the European Union under grant agreement 101103681. Views and opinions expressed are, however, those of the author(s) only and do not necessarily reflect those of the European Union or CINEA. Neither the European Union nor the granting authority can be held responsible for them. This project also contributes to the objectives of the Batt4EU Partnership. Co-funded by UKRI – UK Research and Innovation under the UK government's Horizon UK Research and Innovation Europe, under grant agreements 10075481 and 10075485.