

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



TEMPEST Technological Impacts



+70%

BATTERIES
RECYCLABILITY

+30%

OPTIMISATION OF
COSTS AND
MANUFACTURING

+15%

BATTERIES
PERFORMANCE

-15%

BATTERIES
WEIGHT

TEMPEST Environmental Benefits



Up to 78.7 tons
CO₂ removed per
battery pack and
year



Reduction of
energy loss and
range increasing
up to 52%



Reduction of
greenhouse and
aerosol production
by 62%



Reduction of
energy loss and
range increase of
up to 57%



Reduction of
overall energy load
up to 72%

www.tempestproject.eu

@TempestBattery

TEMPEST Project



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 Europe, under grant agreements 10075481 and 10075485.