



Funded by
the European Union

HORIZON EUROPE PROGRAMME – TOPIC: HORIZON-CL5-2022-D5-01-02



AENEAS

**innovActive ENERgy storage systems onboArd
vessels**

Deliverable D 5.4

Upscaled evaluation of the ESS performance

Deliverable Type	Report
Dissemination Level	Sensitive
Due Date (Annex I)	30.09.2025
Pages	32
Document Version	Final
GA Number	101095902
Project Coordinator	Mohsen Akbarzadeh Flanders Make (FM) (Mohsen.Akbarzadeh@flandersmake.be)

LEGAL DISCLAIMER

Copyright ©, all rights reserved. No part of this report may be used, reproduced and or/disclosed, in any form or by any means without the prior written permission of AENEAS and the AENEAS Consortium. Persons wishing to use the contents of this study (in whole or in part) for purposes other than their personal use are invited to submit a written request to the project coordinator.

The authors of this document have taken any available measure in order for its content to be accurate, consistent and lawful. However, neither the project consortium as a whole nor the individual partners that implicitly or explicitly participated in the creation and publication of this document shall be liable or responsible, in negligence or otherwise, for any loss, damage or expense whatever sustained by any person as a result of the use, in any manner or form, of any knowledge, information or data contained in this document, or due to any inaccuracy, omission or error therein contained.



**Funded by
the European Union**



Public Summary

This document publicly discloses the work carried out for Task 5.4, entitled “Upscaled Evaluation of the ESS Performance,” within the AENEAS project. It will contain a description of the approach chosen for realistic scenario testing of the energy storage units developed previously within the scope of the project and their results. The main objective of this task was to test the energy storage system (ESS) designed by the previous Work Packages (WPs) under realistic scenarios, more specifically on a upscaled setup, with the intent to validate its prototypes for deployment.