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AENEAS

innovActive ENergy storage systems onboArd vessels

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Optimized pre-design model

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Public Summary

This deliverable presents the optimal sizing of the ESS systems with respect to the three defined use cases in AENEAS project and discusses the optimization algorithms behind the optimal sizing. Firstly, the available optimization algorithms underpinning sizing/architecture and optimal energy management are presented. Secondly, use case requirements and, most importantly, load profiles, are defined and translated into mathematical languages according to the propulsion system architectures. These are followed by a detailed optimization study and analyses on the use cases.