Newsletter #1 – September 2025

In this newsletter, you will learn more about the eWAVE project latest activities and the activities to come. The next newsletter will be published in April 2026.

Do you want to stay informed about the latest eWAVE news in the meanwhile? Please stay tuned via our website www.ewave-project.eu, or follow us on LinkedIn

WHAT IS NEW?

eWAVE kicks-off with a consortium meeting in Graz-Austria

The eWAVE project kick-off meeting was held last March in beautiful Graz, Austria. Graciously hosted by our partner i2m Unternehmensentwicklung GmbH, this event marked the beginning of an ambitious journey, bringing together all 18 project partners from 9 countries across Europe.

Over two days, we aligned on the project goals, exchanged insights, and laid the foundation for strong collaboration in tackling the challenges ahead. We shared an impression video of the kick-off meeting on our website. The video captures the energy, passion, and teamwork that define the eWAVE spirit. We invite you to take a look and meet the people behind the project (click this link to watch the video).

Funded by the European Union

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eWAVE presents in the 2nd Stakeholder Workshop of sister project AENEAS

Our development engineer Anesa Begovic had the honour to present our eWAVE project during the 2nd Stakeholder Workshop of the AENEAS EU Project in Thessaloniki on last 9 April.

This gave us the first opportunity to power-up clustering activities and align with EU sister projects on Green Ships.

In this event, eWAVE project was proudly represented by i2m Unternehmensentwicklung GmbH, Siemens, Flanders Make and Freire Shipyard – C.N.P.FREIRE, S.A. Besides the members of the AENEAS EU Project, we also had the opportunity to exchange with EUWT-SE members, the FLEXSHIP project and the BlueBARGE Project.

Are you curious about the AENEAS project? Feel free to have a look at their website

Clustering activities with our sister project HARPOONERS and other initiatives

eWAVE started the collaboration with project HARPOONERS. Project HARPOONERS is the sister project of the eWAVE project, granted under the call topic "HORIZON-CL5-2024-D5-01-11 – Achieving high voltage, low weight, efficient electric powertrains for sustainable waterborne transport (ZEWT Partnership)". The coordinators and communication managers of both projects met last July and agreed to promote synergies between both projects, by organization of information exchange and joint events.

Project HARPOONERS develops a unique modular AC battery system that integrates key components into a compact configuration, eliminating the need for separate transformers and cooling systems. This approach will enable more reliable BESS solutions for all-electric and hybrid vessels, supporting the transition to a cleaner maritime industry. The HARPOONERS consortium consists of 13 partners and is led by FUNDACION TECNALIA RESEARCH & INNOVATION

Project eWAVE also initiated collaboration with several ecosystems and clusters of battery and shipping projects to ensure synergies and information exchange. These include the EUWT Synergies Ecosystem, the Solid4B cluster and the HighBatt EU cluster.

more about EUWT-SE | more about SOLID4B | more about HighBatt

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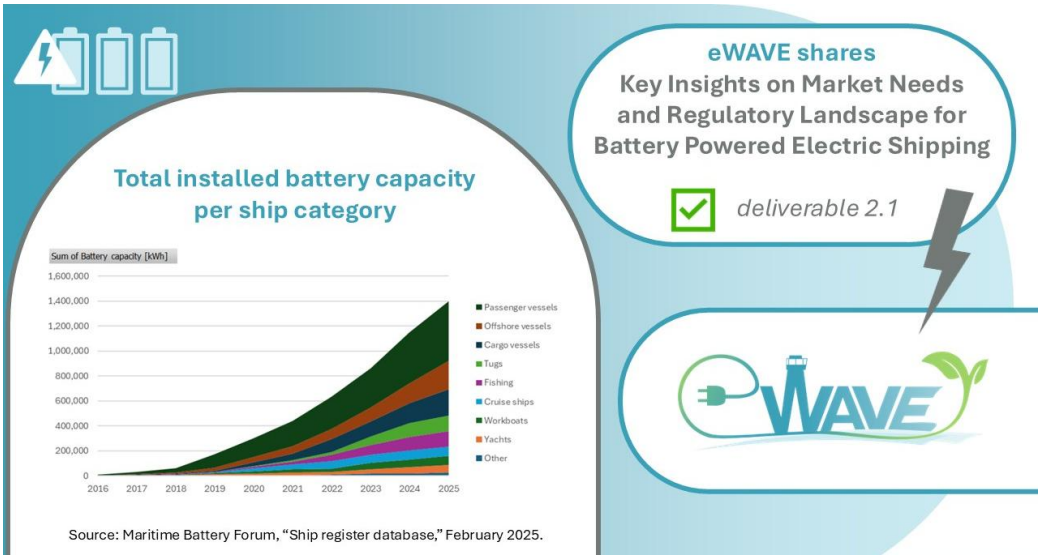
eWAVE releases Key Insights on Market Needs and Regulatory Landscape for Battery Powered Electric Shipping

eWAVE has published its first results report titled *"Market Needs & Regulation Report"*, offering a comprehensive analysis of the maritime sector needs, current barriers and opportunities for deployment of Battery Powered Electric Shipping across Europe.



The newly released report (Deliverable D2.1) explores the global market for Maritime Battery applications and Battery Powered Ships, providing insights into the actual market and market projections. Also, it analyses the existing battery life cycle regulations that are relevant for Electric Shipping. And it provides an analysis of relevant stakeholders for the eWAVE project and Electric Shipping in Europe in general.

This report lays the groundwork for identifying the enabling conditions for the eWAVE project. By aligning technical innovation with market and policy realities, we're helping chart a clearer path toward the integration of battery technology in future battery powered vessels.
The full report is available on our website (click this link)

eWAVE launched the project website on last 18 July

The eWAVE official project website was launched on 18 July 2025. On our new website, you can:

- ✅ Learn more about the project's objectives and innovations
- ✅ Meet the consortium behind the work
- ✅ Stay updated on project milestones, events, and results
- ✅ Discover with which projects and initiatives we collaborate with to create synergies

This is just the beginning - follow us and join the journey towards a more sustainable future!

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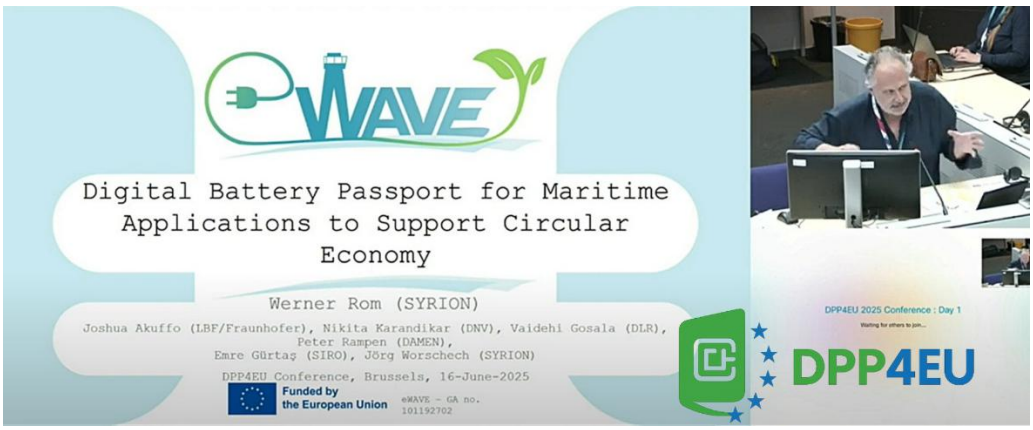
Also, a “Media Kit” was made available and can be downloaded from our website. The Media Kit includes the project logo, a press release, the project flyer and the project roll-up banner.

eWAVE Showcases Maritime Digital Battery Passport at DPP4EU Conference

From 16–18 June 2025, Brussels hosted the DPP4EU Conference on Digital Product Passports. eWAVE’s Dr Werner Rom presented our innovative work on a **Digital Battery Passport for Maritime Applications**, highlighting the sector’s unique challenges and opportunities in adopting a Maritime Digital Battery Passport. Read the full story on our website.



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WHAT IS NEXT?

Coming soon!! The interview video with our specialist from SINTEF, i2m and IfM Engage

Very soon, eWAVE will launch its first interview video. In this video, specialists of SINTEF, i2m and IfM Engage are sharing their views and insights about the eWAVE project and its plans. Be sure to not miss it, and follow us on LinkedIn.

General Assembly meeting at DAMEN in Gorinchem – The Netherlands

Our next General Assembly is scheduled on 14 and 15 October 2025. We will be generously hosted by DAMEN. Damen is an international shipyard group but at its heart, there is still a family company. DAMEN operates in every market where they see an opportunity to improve, innovate or invest. They are at the forefront of Sustainable Shipping. Curious about DAMEN? Have a look at their website.

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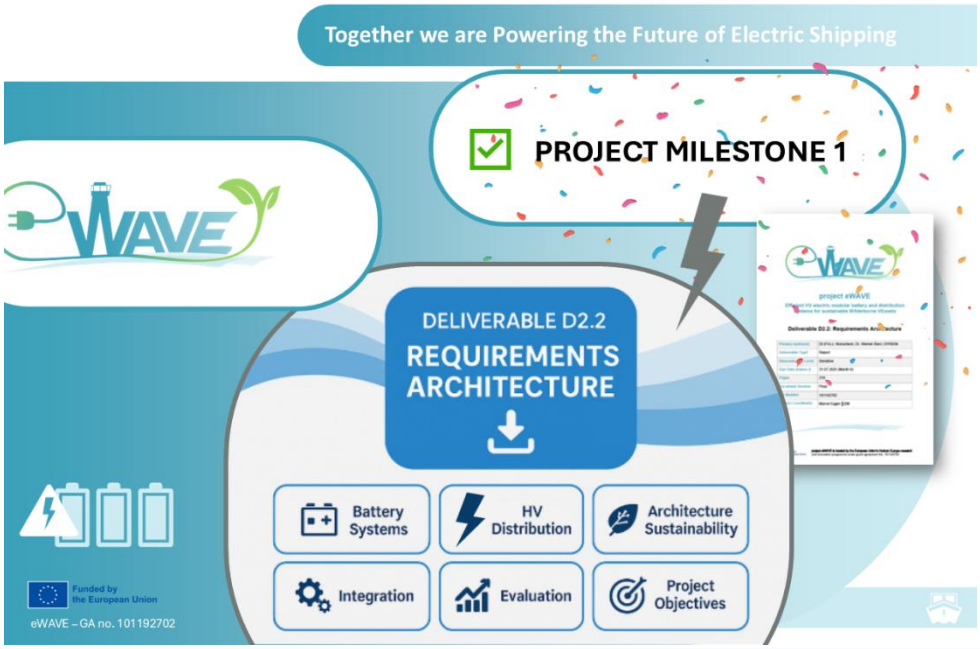
Presentation at the Solid4B cluster workshop: “A Maritime perspective on application of Batteries to Power the Future of Electric Shipping”

During the upcoming workshop of the Solid4B cluster on 17 September 2025, Mohsen Ackbarzadeh of FlandersMake will represent the eWAVE project, and present “A Maritime perspective on application of Batteries to Power the Future of Electric Shipping”. The presentation will reveal the highlights of our first result: *deliverable 2.1 - Market Needs & Regulation Report.*

Maybe you can still secure your spot through registration for the event. Don’t miss it!

Achieving Milestone 1: Delivery of the Requirements Architecture

Currently our specialist are working hard to lay the last hand on the Requirements Architecture for the eWAVE project. Very soon, the result will be published on our website on our LinkedIn channel. So stay tuned!



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ABOUT THE eWAVE PROJECT

Our goal? > Powering the Future of Electric Shipping <

eWAVE (Efficient HV-electric modular battery and distribution systems for sustainable WAterborne VEssels) is a groundbreaking EU-funded project focused on high-voltage (HV) technology for battery powered vessels.

The maritime sector faces challenges in transitioning to sustainable, all-electric vessels. Key obstacles include low energy density in current battery systems, safety concerns, and the need for durable, sustainable materials. Economic viability also remains a significant barrier for widespread adoption.

To address these issues, the EU-funded research project eWAVE brings together 18 experts from research, technology, and shipbuilding to advance high-voltage (HV) technology for battery powered vessels. By developing high-energy-density batteries, scalable modular systems, and an integrated safety concept, eWAVE aims to enhance the sustainability, safety, and efficiency of maritime transport. The project will also explore circularity through bio-based materials and recycling, supporting the EU's goal of reducing the environmental footprint of shipping.

Funded through the European Union's Horizon Europe Framework Programme for Research and Innovation, the project will receive EUR 7,5 million over the next four years.

contact us at ewave@i2m.at

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