FLEXSHIP

News & updates

Vol.6 - SEPTEMBER 2025



FLEXSHIP INSIGHTS & INNOVATIONS

After 32 months since its launch, the **FLEXSHIP** project is progressing well towards achieving its objectives. We are now entering a pivotal phase, and it is our pleasure to present the **6th edition** of our newsletter on behalf of the **FLEXSHIP** consortium. This edition provides an overview of the various activities undertaken and the key results accomplished by the project partners in recent months.

Driving Maritime Innovation from Gorinchem: Highlights from the FLEXSHIP M30 General Assembly

The **FLEXSHIP** M30 General Assembly (17–18 June 2025, hosted by Damen Shipyards in Gorinchem) brought together all 16 partners to review progress and align on next steps. Highlights included technical workshops on component integration, control, communication, and power interfacing, with key inputs from RINA, WABTEC, ABEE, ELKON, KOCAELI, NTNU, and DNV. Executive updates confirmed the closure of WP2 (FHG IISB) and advances in WPs 3–6, while WEGEMT presented progress on dissemination and communication (WP7). Strategic sessions led by BRING covered KPIs, risk assessment, and follow-up actions, ensuring strong alignment with project objectives. The event was enriched by a Damen Shipyards tour and networking opportunities, reinforcing collaboration as **FLEXSHIP** advances toward zero-emission waterborne transport.



FLEXSHIP General Assembly meeting, June 2025.



FLEXSHIP General Assembly meeting, June 2025.

WP: TECHNICAL HIGHLIGHTS- FLEXSHIP PROJECT ENTERS OPTIMIZATION STAGE

In the last convening of the project, during the FLEXSHIP M30 General assembly in Gorinchem NL, the project consortium has been engaged in intensive review and recalibration process to ensure that the system architecture and implementation path delivers maximum performance, reliability, and impact.
This has involved:

- **In-depth scenario re-analysis** to confirm relevance and adaptability of the targeted use case Kocaeli in evolving market and regulatory contexts.
- **Refinement of system models and algorithms**, incorporating new datasets and improved simulation accuracy.
- **Cross-WP validation workshops**, bringing together experts from all technical work packages to align interfaces, dependencies, and performance targets.
- **Technical risk mapping** to anticipate integration challenges and streamline subsequent deployment stages.

While this phase has required the shifting of timelines, it is a strategic investment in quality and robustness. The technical team is leveraging the current review period to future-proof the system design and ensure that the next development and testing steps are efficient, cost-effective, and fully aligned with the FLEXSHIP project objectives.
The next months will see:

- A consolidation of the updated system specifications.
- Integration of revised component requirements into the design framework.
- Preparations for resumed development and validation activities.

This optimization stage underscores the FLEXSHIP consortium's commitment to delivering a technically sound, scalable, and high-impact solution for the marine sector.

Technical Status Highlights

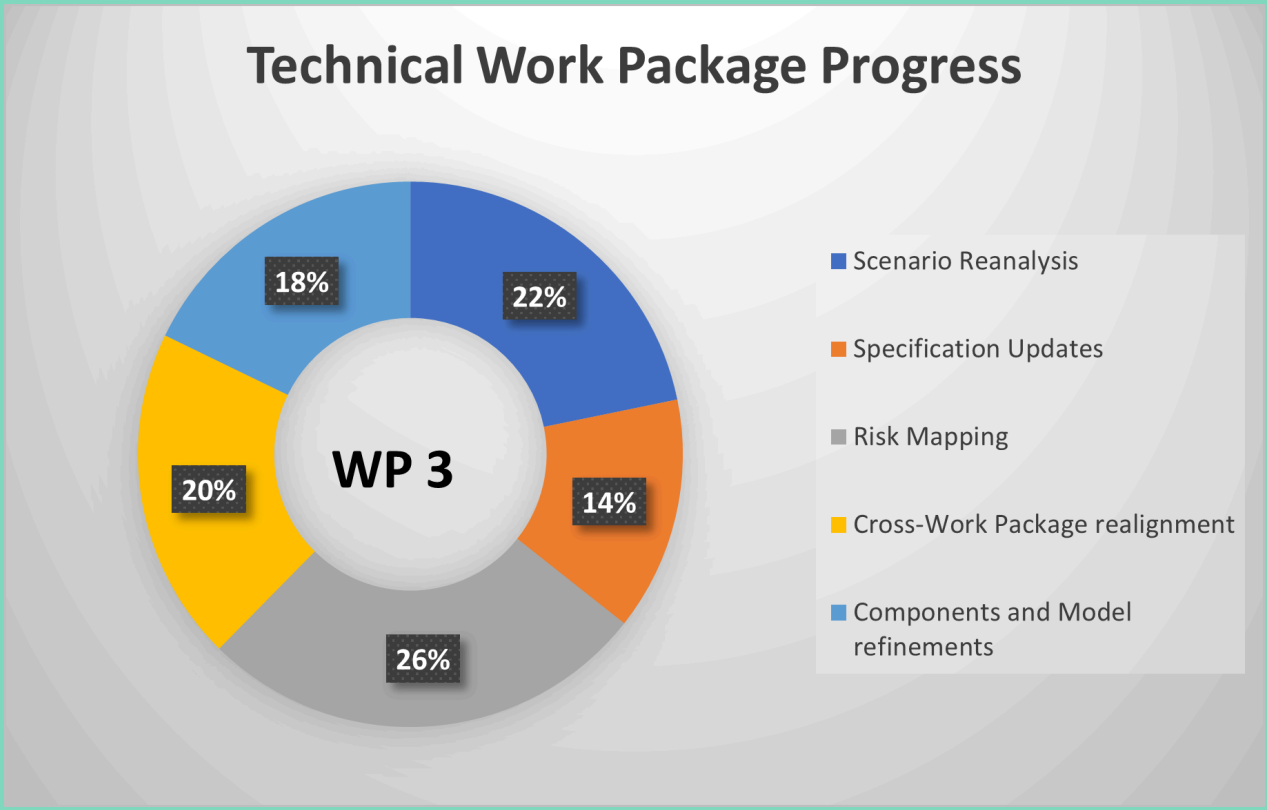
AREA	Current Focus	Progress
Scenario Reanalysis	Revisiting and validating the Kocaeli project Demo against updated components.	80% Complete
Cross WP alignment	Conducting multi partner workshops to align interfaces, dependencies and time lines	GA Technical Workshop accomplished
Specification Updates	Integrating recalibrated requirements into the next designs.	Ongoing

Phase Summary

The Technical team in WP 3 is leveraging this strategic review period to;

1. Enhance design robustness before physical integration
2. Ensure that the upcoming deliverables are aligned with stakeholder expectations and market needs.
3. Streamline the development pathway by pre-emptively resolving the technical risks.

Wheel Infographic



The final outcome of this optimization period is expected to lead to revised technical specifications of the components and models in the FLEXSHIP project.

Cluster EUWT-SE

European Waterborne Transport - Synergies Ecosystem



EUWT Synergies Ecosystem

We are thrilled to announce a groundbreaking collaboration among seven pioneering **EU-funded projects: FLEXSHIP, HYPOBATT, SEABAT, DT4GS, AENEAS, NEMOSHIP, and BlueBARGE.** This dynamic alliance is set to revolutionize the waterborne transport sector by uniting their collective expertise to drive innovation and sustainability.

These seven trailblazing projects are joining forces to identify shared goals, adopt best practices, and enhance their collective impact. By pooling their knowledge and resources, they aim to unlock new potential in waterborne transport, focusing on cutting-edge technologies and sustainable solutions.

Stay tuned as these projects embark on this transformative journey. We'll be sharing updates on their progress, breakthroughs, and the impactful changes they are set to bring to the industry.

As we have passed into the **second phase of our journey (July 2024 – June 2025)**, **EUWT-SE** invites you to follow the progress and evolution of our activities. The upcoming edition of the **EUWT-SE Newsletter** will also present the planned initiatives, highlighting how they contribute to strengthening our collective impact.

We encourage you to browse and visit our projects' websites for a comprehensive view of our synergies, collaborations, and forthcoming actions.

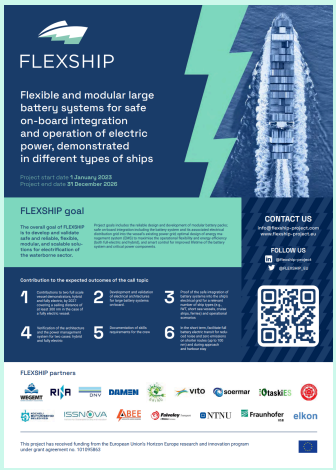
FIND OUT MORE ON OUR WEBSITE

Would you like to join the FLEXSHIP stakeholder community to shape a sustainable maritime future by contributing your participation and insights towards the development of groundbreaking solutions that will drive the waterborne sector towards a greener, more efficient, and resilient tomorrow?

CLICK BELOW AND BE PART OF US.

STAKEHOLDERS LINK

CONTACT INFORMATION



FLEXSHIP POSTER



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FLEXSHIP FLYER PAGE 2 DOWNLOAD

Results & Deliverables

Project updates

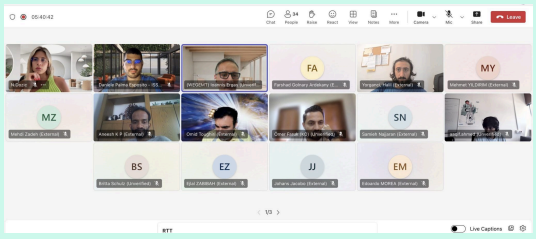


FLEXSHIP General Assembly M30 – Driving Maritime Innovation from Gorinchem

On **17–18 June 2025**, the FLEXSHIP consortium held its **M30 General Assembly** in a hybrid format, hosted at Damen Shipyards in Gorinchem, The Netherlands.

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FLEXSHIP Presented at NAV2025 – 21st International Conference on Ships and Maritime Research

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Training Course

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FLEXSHIP Online Course Agenda Announced: Electrification and Digital Twins for Green Shipping (8–9 July 2025)

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Development of Hardware and Firmware for the Battery Management System (BMS)

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Hybridisation will offer 67% reduction in heavy fuel oil/diesel oil consumption and full electrification offer zero dependence of in heavy fuel oil/diesel oil.

FLEXSHIP

Flexible and modular large battery systems for safe on-board integration and operation of electric power, demonstrated in multiple type of ships

DISCOVER THE PROJECT

Contact us

For more information about the FLEXSHIP project, please feel free to contact us at info@flexship-project.com

FOLLOW FLEXSHIP ON

This project has received funding from the European Union's Horizon Europe research and innovation program under grant agreement no. 101095863

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