



MARILIGHT.NET

DAS MARITIME LEICHTBAUNETZWERK

Update from the German Maritime Lightweighting Network

Kiel, 28.01.2026



Agenda

1. Introduction to MariLight
2. Strategic Roadmap of Maritime Lightweight Design
3. Upcoming activities and invitation to collaboration

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- 1. Introduction to MariLight**
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MARILIGHT.Net – The network for maritime lightweight construction

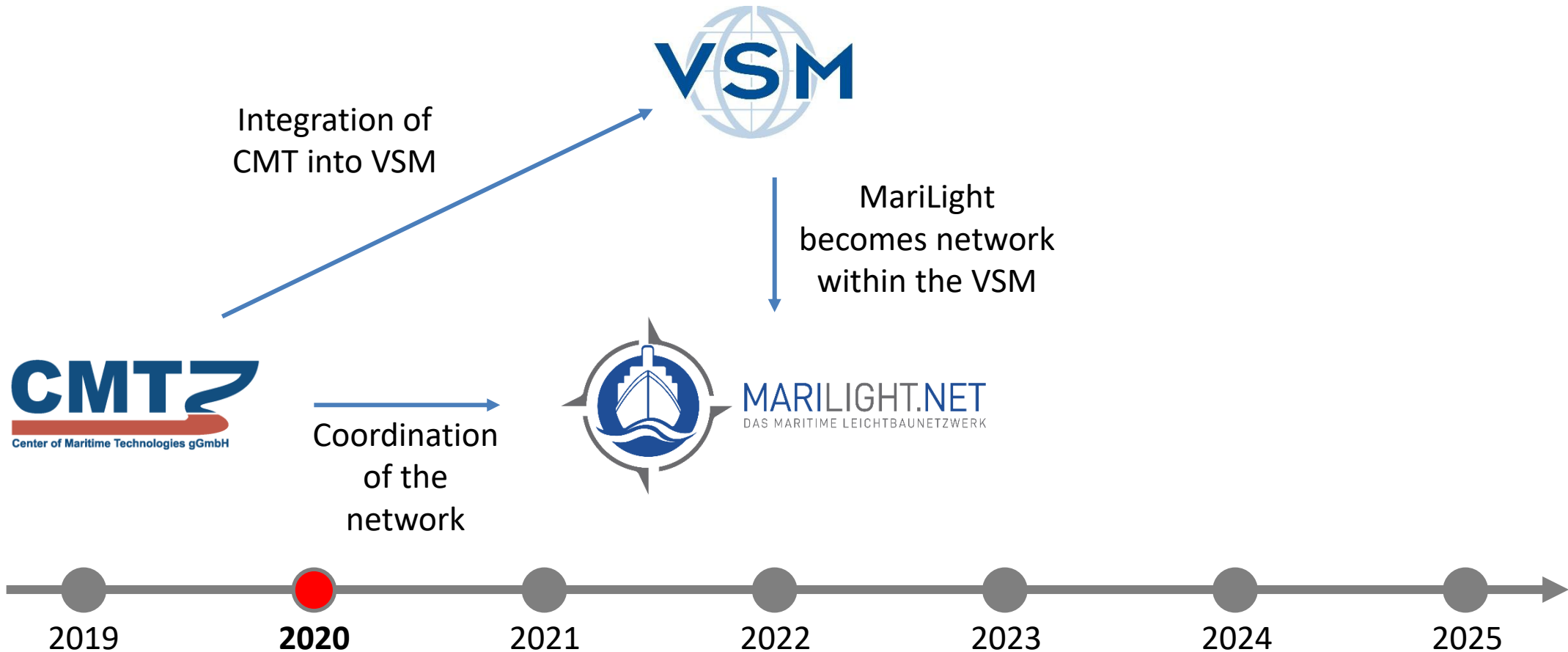


- Only **maritime lightweight network** in Germany
- Focus on **maritime lightweight construction** and **technology transfer** from other industries
- Currently **35 members** – Shipyards, suppliers, engineering companies and research institutions
- Start of the network in July 2018
- Since 2020, MariLight.Net is a network within the **German Shipbuilding and Ocean Industries Association e.V. (VSM)**

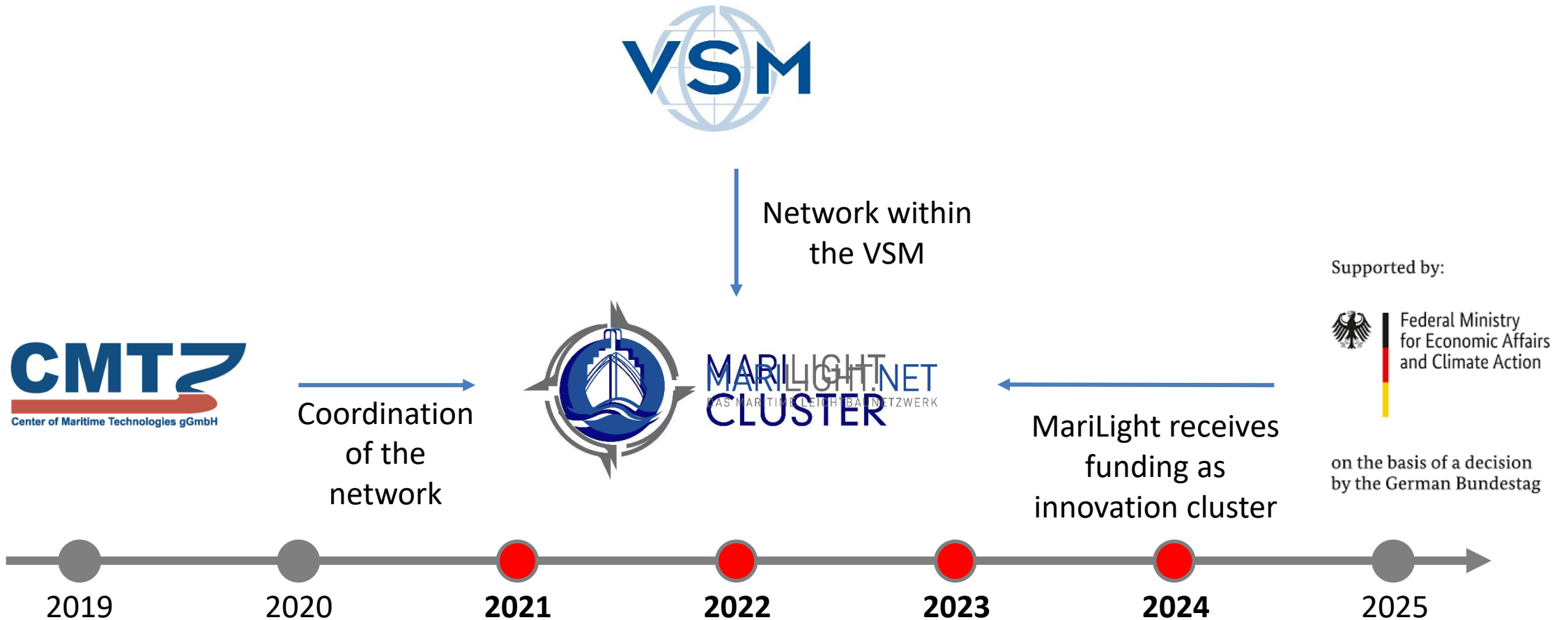
A brief history of MariLight



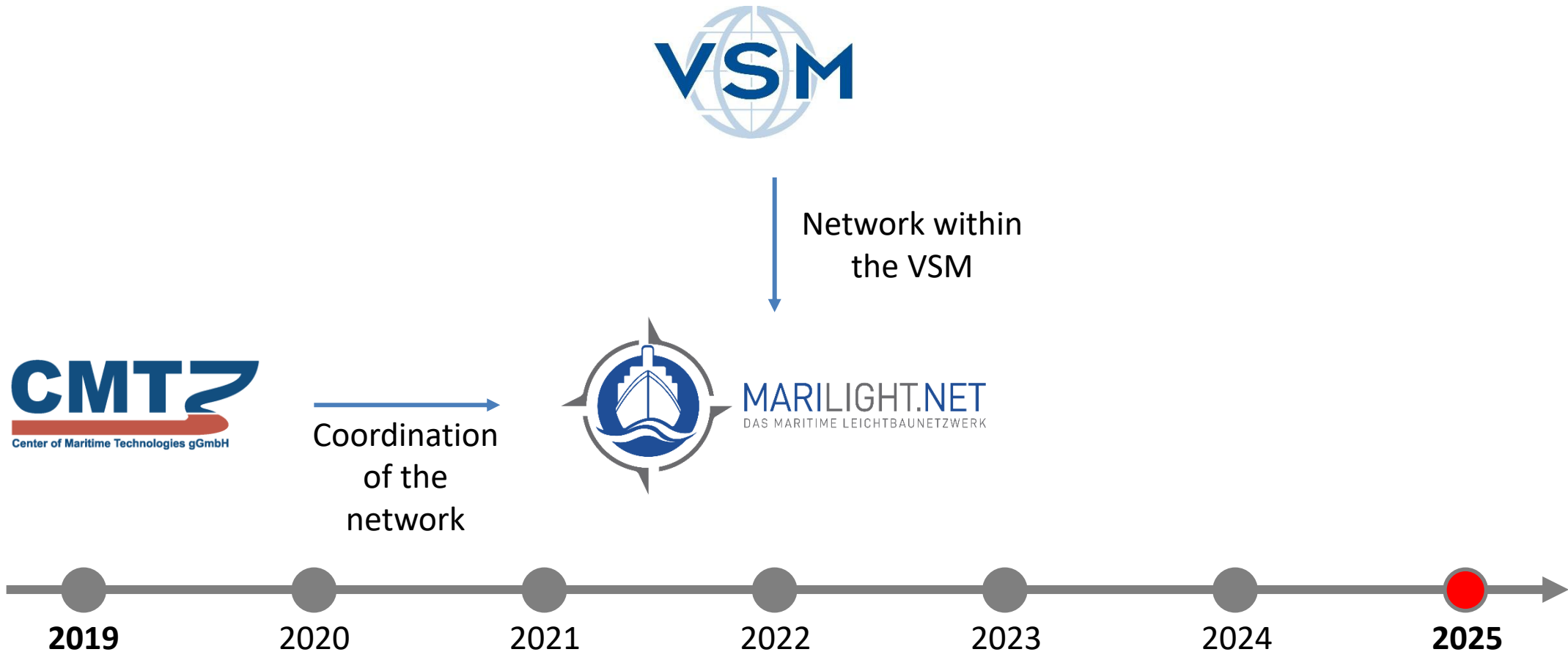
A brief history of MariLight



A brief history of MariLight



Now:



Current members of the MariLight Network

- 32 members:
 - 5 shipyards
 - 12 suppliers
 - 9 engineering offices
 - 6 research institutions
- Represent the entire value chain
- Several cross-sector companies



MARILIGHT.Net – Network activities



Annual network meeting:

- Personal exchange between all network members
- Interesting presentations on Innovations and Best Practice Examples
- Technology Transfer Block



Working groups:

- Held approx. every two months
- Current Topics:
 - Fire protection
 - Engineering in Lightweight Design



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Technology-Transfer

- Exchange with lightweighting experts from other industries



Information sharing:

- Newsletters
- Reports from fairs, events and on other relevant lightweighting topics



Strategic Roadmap for Maritime Lightweight Design

- Innovation concepts
- Strategies for future development



Virtual demonstrator:

- Technology and material database
- Currently based on an excel spreadsheet

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Strategic roadmap for maritime lightweight construction

- Document created during the project phase of MariLight Cluster as a compilation of knowledge gained
- Main elements of the document:
 - **State-of-the-art-analysis** of maritime lightweight design
 - **Vision and goals**
 - Overview of past and current **research** conducted in different fields and applications
 - Systematization of maritime lightweight construction based on **7 technology fields and 5 cross-cutting topics**
 - Roadmap with various **research needs, innovation pathways**, and an **implementation plan**

Download (German) document here



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1. Introduction to MariLight
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- 3. Upcoming activities and invitation to collaboration**
 - Webinar „Composite materials meet naval shipbuilding“
 - German-Swedish Joint Project:
Lightweight Innovation for Future Mobility
 - Call for collaboration

Composites United: Webinar „Composite materials meet naval shipbuilding“

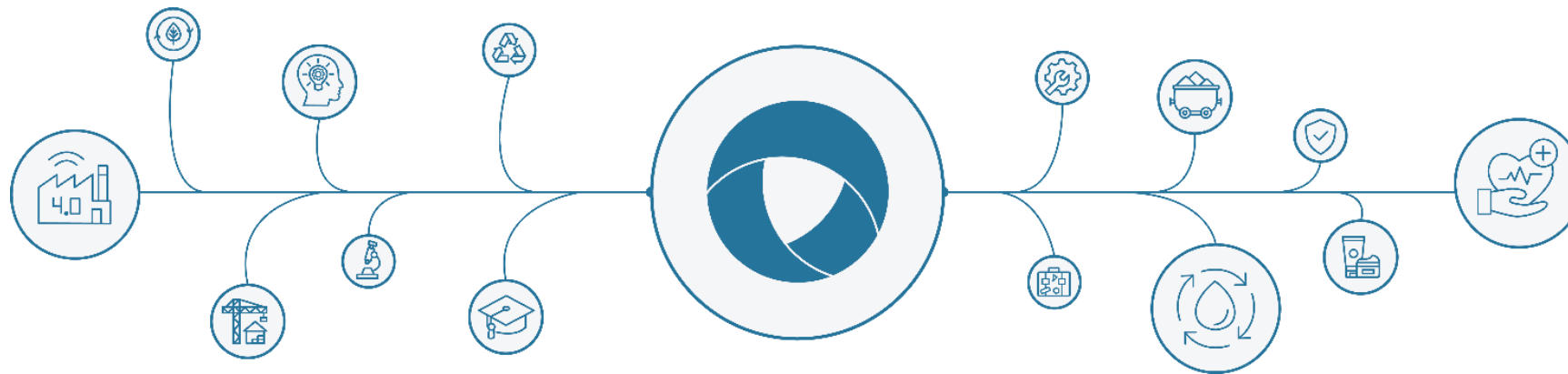
- **Who?** Composites United e.V. in cooperation with MariLight
- **When?** 02.03.2026, 14:00 – 15:00
- **What?** Webinar on applications for composite materials in naval shipbuilding
 - Short pitches by experts
 - Followed by a discussion with all participants
- **Language?** German
- Participation is **free of charge**



More information and registration



German-Swedish Joint Project: Lightweight Innovation for Future Mobility



Das Markterschließungsprogramm für kleine und mittlere Unternehmen ist ein Förderprogramm des:



Bundesministerium
für Wirtschaft
und Energie



Das Markterschließungsprogramm wird im Auftrag des Bundesministeriums für Wirtschaft und Energie umgesetzt von:



Upcoming Events - Discover. Connect. Innovate.

Webinar | Southern Sweden

26 March 2026, 10:00 – 12:00

Real-world use cases and research-to-industry perspectives

Target group: German companies interested in cooperation and market opportunities in Southern Sweden

<https://www.handelskammer.se/de/events/innovationsregion-skane-leichtbau-als-schluessel-fuer-nachhaltige-mobilitaet>

Study Trip | Sweden → Germany

20–23 April 2026 - Hamburg · Hannover Fair (Lightweighting Summit) · Bavaria

Target group: Swedish buyers, multipliers and companies interested in building partnerships and exploring cross-border business opportunities in lightweight construction — from R&D to industrial collaboration.

<https://www.handelskammer.se/events/studieresa-till-tyskland-upptack-de-senaste-lattviktsteknologierna>

Study Trip | Germany → Sweden

September / October 2026, Linköping and Luleå

Advanced Manufacturing and Materials as well as R&D ecosystems

Target group: German companies interested in cooperation and market opportunities in Sweden

More information coming soon

Interested in participating or learning more about the joint project?

Contact us at the **German-Swedish Chamber of Commerce.**

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Call for collaboration

1. Become a member of MariLight.Net!

- Free for VSM members
- Associated MariLight membership to VSM possible – please get in touch for more information!

2. R&D&I

- Lightweight **design concepts**
- What are the **effects of lightweighting** in the maritime industry?
- Solutions for **sustainable use of materials/circular economy**
- Digitalisation
- Upscaling: Projects to **demonstrate** in full scale
 - Production process in large scale/quantities
 - Large lightweight products

3. Suitable funding schemes:

- Horizon Europe – Dedicated calls for R&D projects; Innovation Fund
- German national funding programme for maritime technologies
- Etc.

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Thank you!