



# MariLight.Cluster

the maritime lightweight network

# Agenda

- Introduction CMT gGmbH (Center of Maritime Technologies)
- Introduction MariLight.Cluster
  - Network
  - What happend in the past

# Introduction CMT gGmbH (Center of Maritime Technologies)

- CMT ist 100% subsidiary of VSM
- non-profit company with limited liability
- Services: R&D projects + consulting
- Turnover around € 1 million per year
- Focus on increasing national added value Project initiation / participation in European and national projects



# Coordinator - Researcher - Advisor

- High success rate - in project applications and implementation
- Great experience - in over 100 R&D projects
- High reputation - in the EU and nationally
- Powerful networking – VSM, SEA Europe, DMZ, ELA, IMO, BMWK-Initiative Leichtbau, E-LASS, **MariLight**, SMARTYards...



E-LASS



MARILIGHTNET  
DAS MARITIME LEICHTBAUNETZWERK

SMARTYards 

 **SEA Europe**  
Ships & Maritime Equipment Association



# References

**Initiation of more than 50 nationally or European funded collaborative R&D projects**

**Over 60 participations in national and European funded research projects**

**Consulting projects - market introduction, studies, expert opinions, technical management consulting**

**Awarded with the seal „Innovativ durch Forschung“ des Stifterverbands**



# Focus of work

**Production and shipyard organization**

**Ship Concepts and Life Cycle  
Performance**

**Lightweight structures and new  
materials**

**Energy efficiency and alternative  
energy sources**

# Introduction MariLight.Cluster (Maritime Lightweight)

- The only existing platform for the exchange of information on maritime lightweight engineering in Germany
- Network for members of the VSM, founded on the initiative of the CMT
- Platform for
  - establishing contacts and expanding competencies across technologies and industries,
  - Advancing innovations from lightweight construction in the maritime industry,
  - Initiation of joint research projects
- Currently 34 members from the shipyard, aviation, supplier and research facilities sectors.

Gefördert durch:

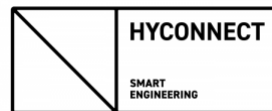


Bundesministerium  
für Wirtschaft  
und Klimaschutz

aufgrund eines Beschlusses  
des Deutschen Bundestages



# Currently 34 Members





# Activities

## Events:

- General network meeting (yearly)
- Technology Transfer Workshops (yearly)
- Workgroup **Lightweight engineering** (all bimonths)
- Workgroup **Fire prevention** (all bimonths)

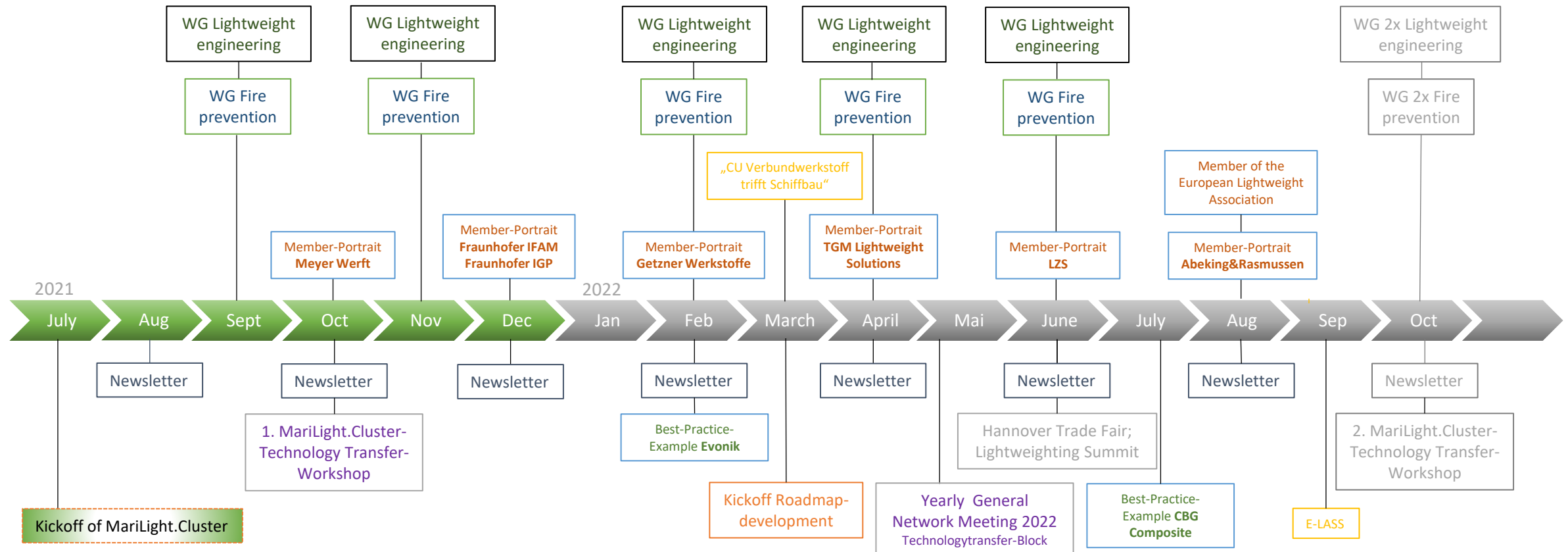
## Exchange with other networks, committee participation:

- Maritime lightweight networks :
  - E-LASS (Europe), S-LASS (Sweden), D-LASS (Netherlands), ELA (Europe)
- Cross-sector lightweight networks [AFBW (Allianz Faserbasierte Werkstoffe), Composites United]
- Strategy Advisory Board of the Lightweight Construction Initiative [Strategiebeirat der Initiative Leichtbau (BMWK)]

## Work on content :

- Development of innovation concepts and a strategic roadmap for maritime lightweight technology
- Joint initiatives, e.g. for international rule development

# What happend in the past?



# Thank you for your attention!



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