

## Nr. 12 Maritime Safety Cluster

### Background:

International, EU and national safety regulations and training standards are currently not or not sufficiently harmonized and often contradictory. This represents a considerable challenge for internationally active maritime companies. Shipping companies in particular face the problem of having their crews trained adequately, efficiently and cost-effectively. There is no networking of training institutions in the German-Dutch area, or only among a few institutions at the national level.

### Content:

The formation of a Maritime Safety Cluster should contribute to the networking of the actors and help with problems that affect all institutions equally. The challenge here was to harmonise or create different training standards for the maritime and land-based industries. The concept of training crews directly onboard is not yet approved by authorities. But it can add a very realistic dimension to the trainings, which is often missing in classroom trainings, online trainings or simulator trainings. For the fishing industry, several safety improvements to the personal protection equipment were developed. One of the greatest dangers onboard a ship is fire, which is why several different extinguishing agents were tested and their use evaluated and integrated in the training courses. This is especially important on tankers and ships that use Liquefied Natural Gas (LNG) as a fuel. Additionally, research was carried out in rescuing personnel from enclosed spaces, which can be dangerous for personnel due to hazardous atmosphere, and difficult access. This also makes the rescue challenging, which is why special training is required to prepare for these situations. Especially in small coastal ships or fisher boats, there is only a small crew onboard, so proper training is even more important to save lives if needed.



Leadpartner:



Co-partner:



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## Results:

### Development of workshops:

- Development of a prototype on board basic fishery training
- Preparation of a transnational handbook for training in ship safety service
- On-Board-Training
- Training concepts for future personnel in the offshore wind sector
- New rescue systems
- Fire defense
- New learning methods (e-learning)



## Advantages:

- Use of synergies
- Cost reduction
- Improvement of training quality
- Improvement of safety

Through research and prototyping, the training centers in the Maritime Safety Cluster were able to improve the quality of maritime safety training. The collaboration between the centers is ongoing and very fruitful, making sure there will be the best training in the maritime industry in the future.

## Partners:



Enkhuizer Zeevaartschool  
OPLEIDINGEN KLEINE EN GROTE ZEEVAART

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