

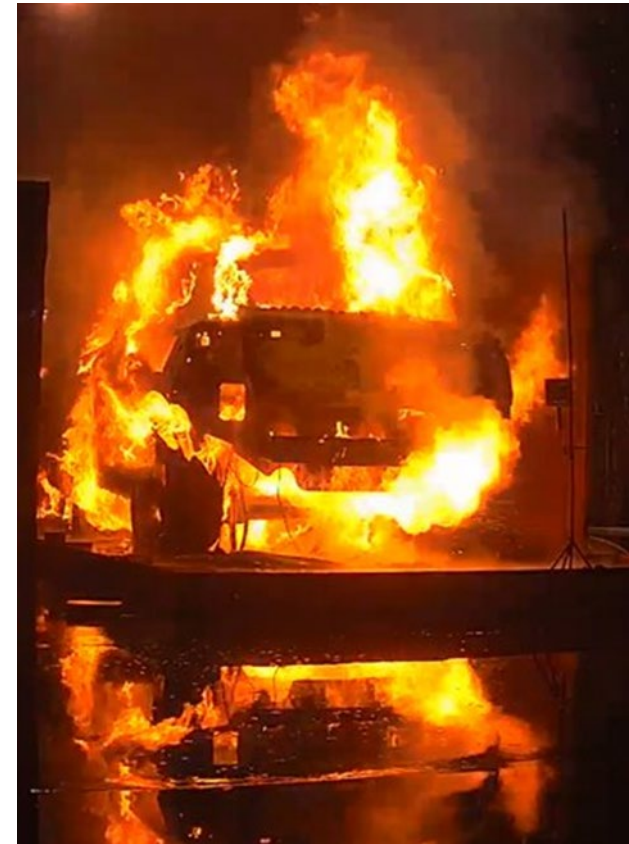
- Lena Brandt
- Master Mariner
- Working as officer on roro and ropax vessels in DFDS
- Project Manager LASHFIRE DFDS





## Drencher system

- ✓ Suppress the fire
- ✓ Reduce the content of Hydrogen Fluoride gas (HF)
- ✓ Fast activation
- ✓ Remotely or manually activation



The fire re-growth after the termination of the water application is an evidence that the application of water do control the fire.

Magnus Arvidson RISE work package 10 Extinguishment



- ✓ Fast activation is essential
- ✓ Training and basic knowledge for all crewmembers
- ✓ Activation of drencher system incorporated in fire drills





Drencher system should not be turned off until resources for manual fire-fighting have been prepared

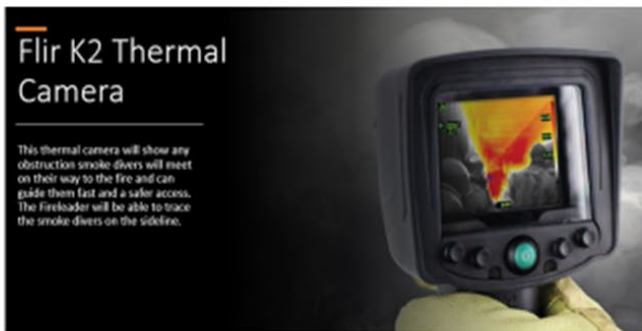


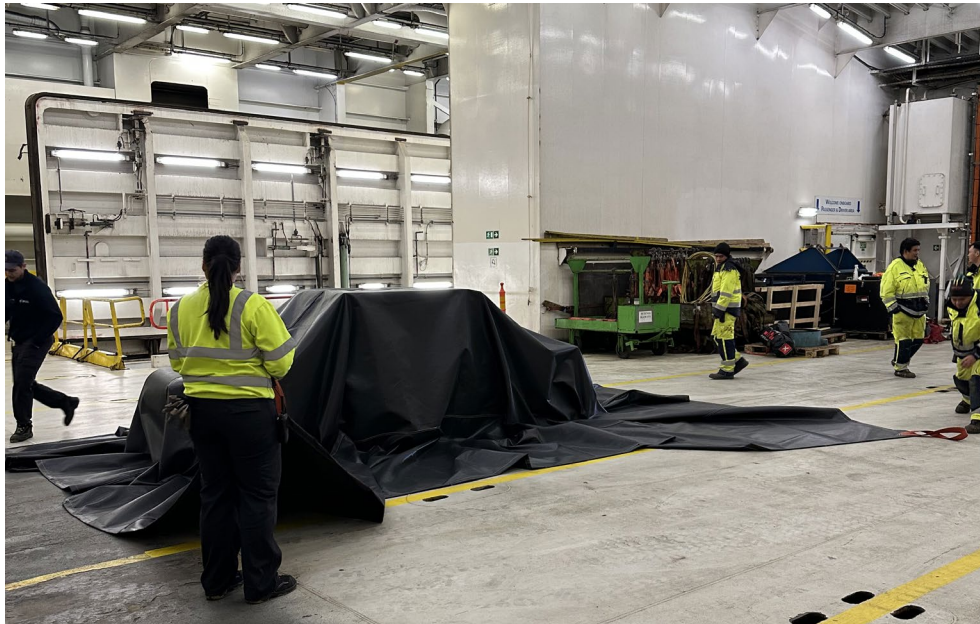
# Manual firefighting

When & Why

## Special fire-fighting package for all DFDS vessels

- 4 x Fire blankets for EV/AFV
- 1 x FLIR K2 camera
- 2 x Boundary cooling units, "Jøni Type"
- 4 x Portable "grab & go" cooling pipes
- 1 x Fog nail
- Special fire fighters suits EN469:2020 (X2,Y2,Z2)
- Under garments (Long sleeve and long pants) to be used with the above suits





The fire blanket and boundary cooling devices were tested at the training facilities

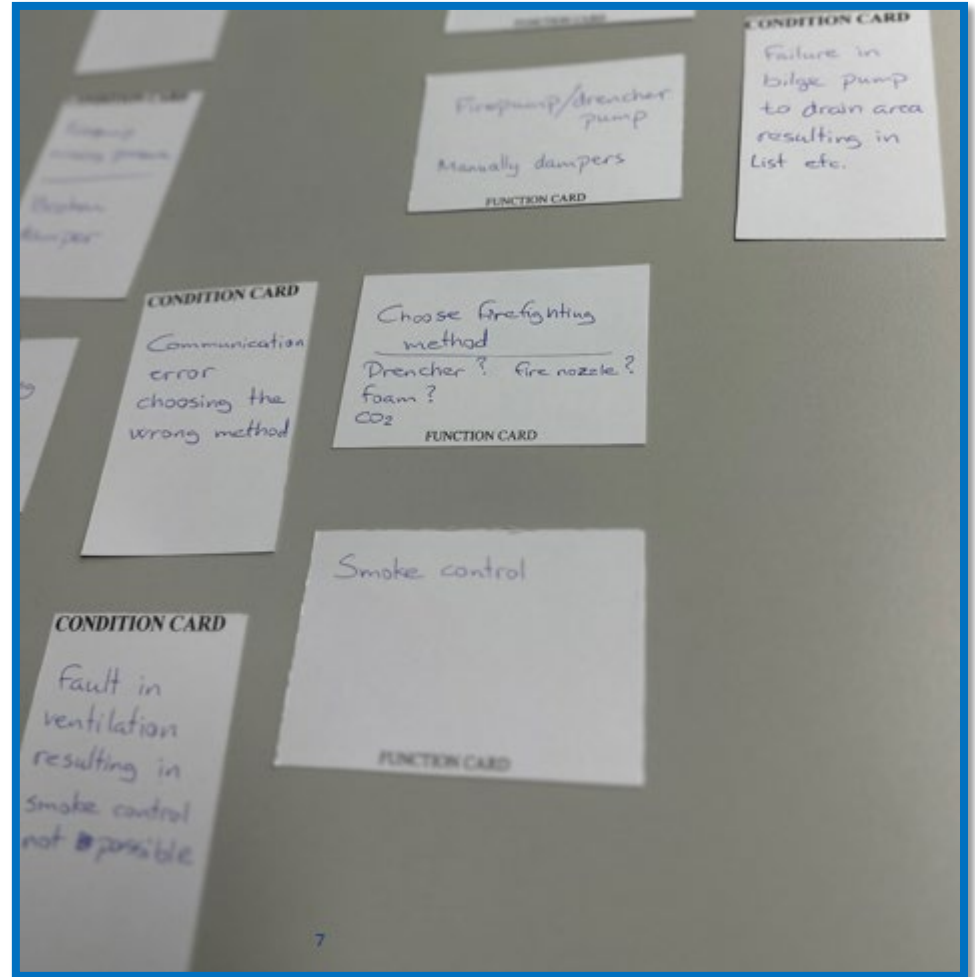
**CentroJovellanos**  
Salvamento Marítimo







Undressing procedure for contaminated fire suit.  
Practise in the use of fog nail piercing through metal plate.



Conditions cards were used to identify potential hazards and to gather inspiration for future fire drills



## E-learning and training on board

What is an additional risk when dealing with fires in AFV vehicles?

- The battery is likely to explode!
- Hydrogen Fluoride
- The drivetrain of an electric AFV might engage without notice.

✓ Submit

Thank you!

Lena Brandt – DFDS  
[lebra@dfds.com](mailto:lebra@dfds.com)

