



# AEGIS – Next Generation Short Sea Shipping Logistics

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The project has received funding from the European Union's Horizon 2020 Research and innovation program under Grant Agreement N°859992.

*Image: MacGregor/Cargotec*

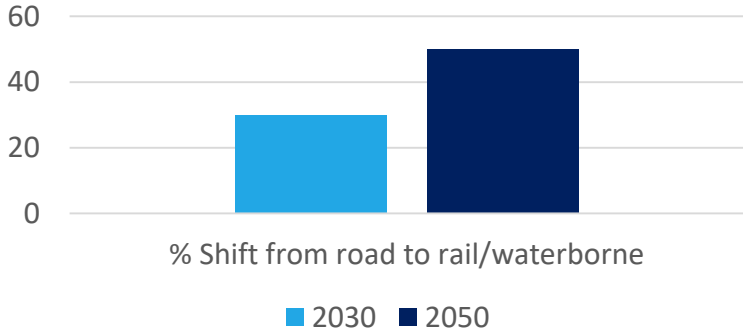
# The UN sustainable development goals



# EU ambitions



Road freight over 300km shift [%]



# The logistical challenge



How?



Advanced, Efficient and Green Intermodal Systems

# Next generation sustainable waterborne logistics system

- redesign the logistics system
- more **diverse** sizes of ships
- **mother-daughter** solutions
- more **flexible** ship systems
- **more automation in** cargo handling
- **standardized** cargo units
- **digital** connectivity



## Three AEGIS use cases:

- Short sea shipping
- Inland shipping
- Small and medium ports



# Use-case: Short sea terminals in Norway



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# Use-case: RORO Short sea and inland shipping in Belgium and Netherlands







# Use-case: Revitalizing regional ports and city center terminals; Aalborg and Vordingborg



Port of Aalborg



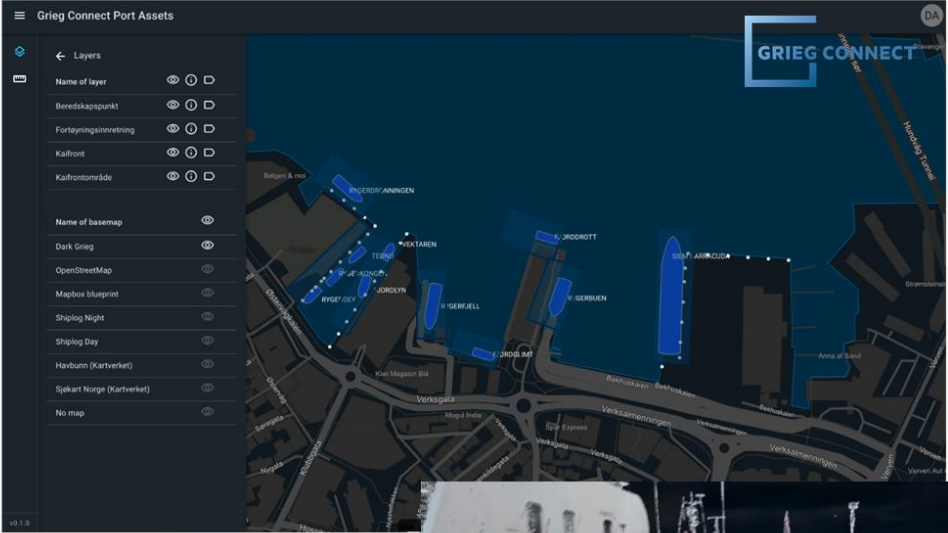
Port of Vordingborg



One specific example on work we do  
in AEGIS



# Automising the ports



**Robotic Container Handling System**  
Automated infrastructure



Nearfield insight



# Transition towards next generation Short Sea Shipping in the EU

- Policies and regulations
- Cost Benefit Analyses



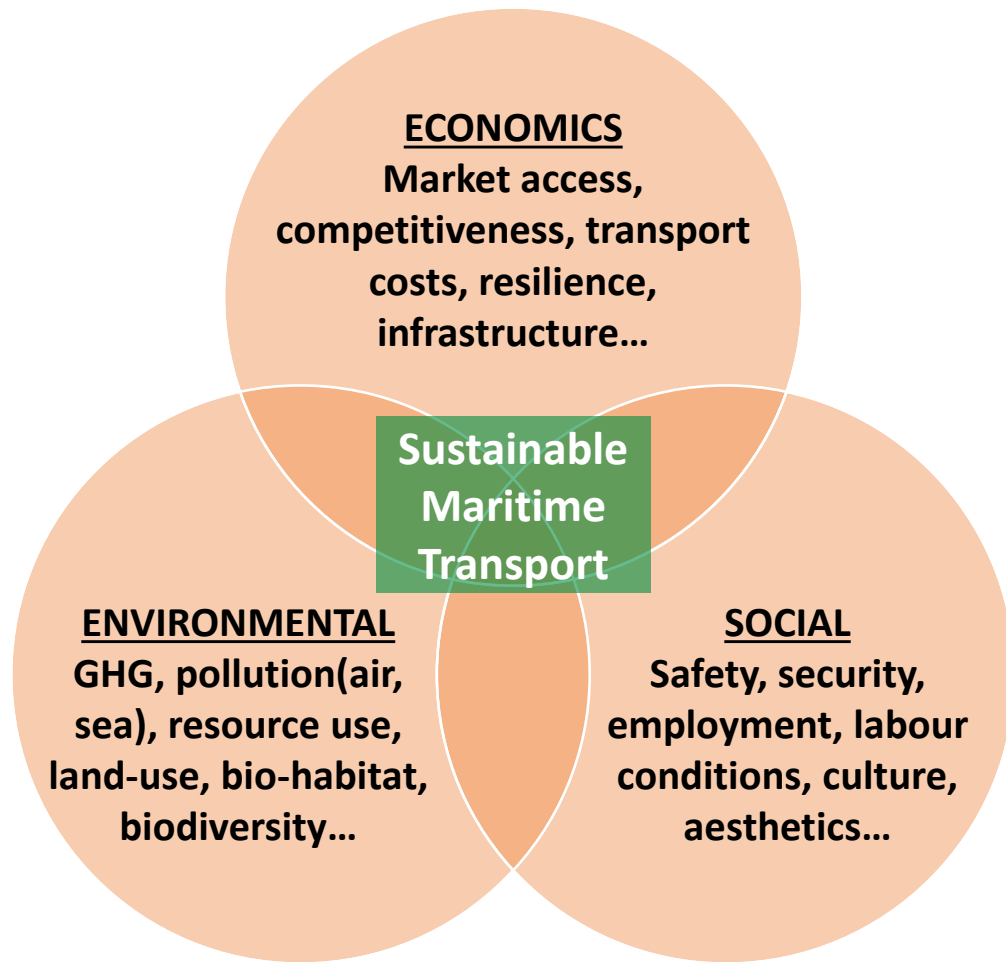
# Policy support & measures

- Investigate:
  - Do existing legal requirements applicable to SSS fit the policies calling for a transition from land-based to automated maritime transport logistics?
  - What are the regulatory and policy hurdles encountered by stakeholders within the AEGIS use-cases?
- Propose implementation measures for policy instruments





# Cost-benefit analysis





# Partners and funding

- Budget: EUR 7.5 Million
- Start: June 1st 2020
- End: May 31st 2023 (36 months)
- <http://aegis.autonomous-ship.org/>





# More information

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<http://aegjs.autonomous-ship.org>

