

### A **new 8-year research-based innovation Centre** within Autonomous Ships for Safe and Sustainable Operations



SFI-AUTOSH

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Ocean Week May 3-5 2021



 $\square$  NTNU

## **Centre objective and scope**

"develop and manage technologies, systems and operations for safe, sustainable, secure and cost-effective autonomous sea transport operations"

- Part of research-based innovation centre scheme ("SFI"):
  - Strengthen cooperation companies & research groups
  - Enhance internationalization
  - Encourage and strengthen researcher training & knowledge transfer
- Long-term (8 years) research in selected areas aligned with selected use cases
- Budget: 24M Euro

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- No crew
- Reduced crew
- Remote monitoring
- Remote control



## **Centre objective and scope**

"develop and manage technologies, systems and operations for safe, sustainable, secure and cost-effective autonomous sea transport operations"

- 23 partners covering several sectors
- Multi-disciplinary
- Researcher training:
  - 20 PhDs & 5 Post Docs
- Knowledge transfer:

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- Active collaboration with partners
- > 100 master students



# Why SFI AutoShip?

- Industry perspective: Support the ongoing transformations:
  - General trends in shipping
  - Strategic priorities in EU
- Research perspective:

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Gaps to close that need long-term focus:

- Beyond the horizon of commercial projects
- With multidisciplinary effort
- Including education of people





## Five research areas & four use cases



Illustration/photos: 1,2,4: Kongsberg, 3: Torghatten

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### Thanks for your attention



www.ntnu.edu/sfi-autoship











## Innovation and technology transfer

Research partners



Use partners (industry, public)







### **Research disciplines to collaborate**



All active in research related to maritime and autonomy

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