

Wallenius Marine

Leading the way towards truly sustainable shipping

Fairway Forward,
Towards truly sustainable shipping

Per Tunell 
COO, Wallenius Marine

Wallenius Marine in brief



 2 offices

 1000 employees in Sweden, Singapore, Philippines & Myanmar

- Operating globally
- Frontrunner in the global shipping industry since 1934
- Family owned company

1,000
employees

22
Managed
vessels

70
Designed and
built vessels
since mid 90s

Our vision:

“Leading the way towards truly sustainable shipping”



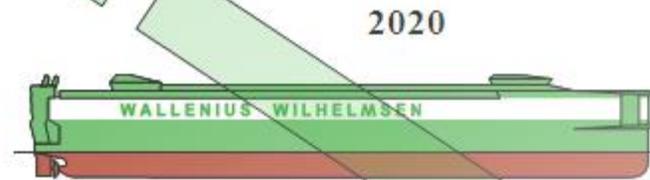
ZERO (Zero Emission ROro)



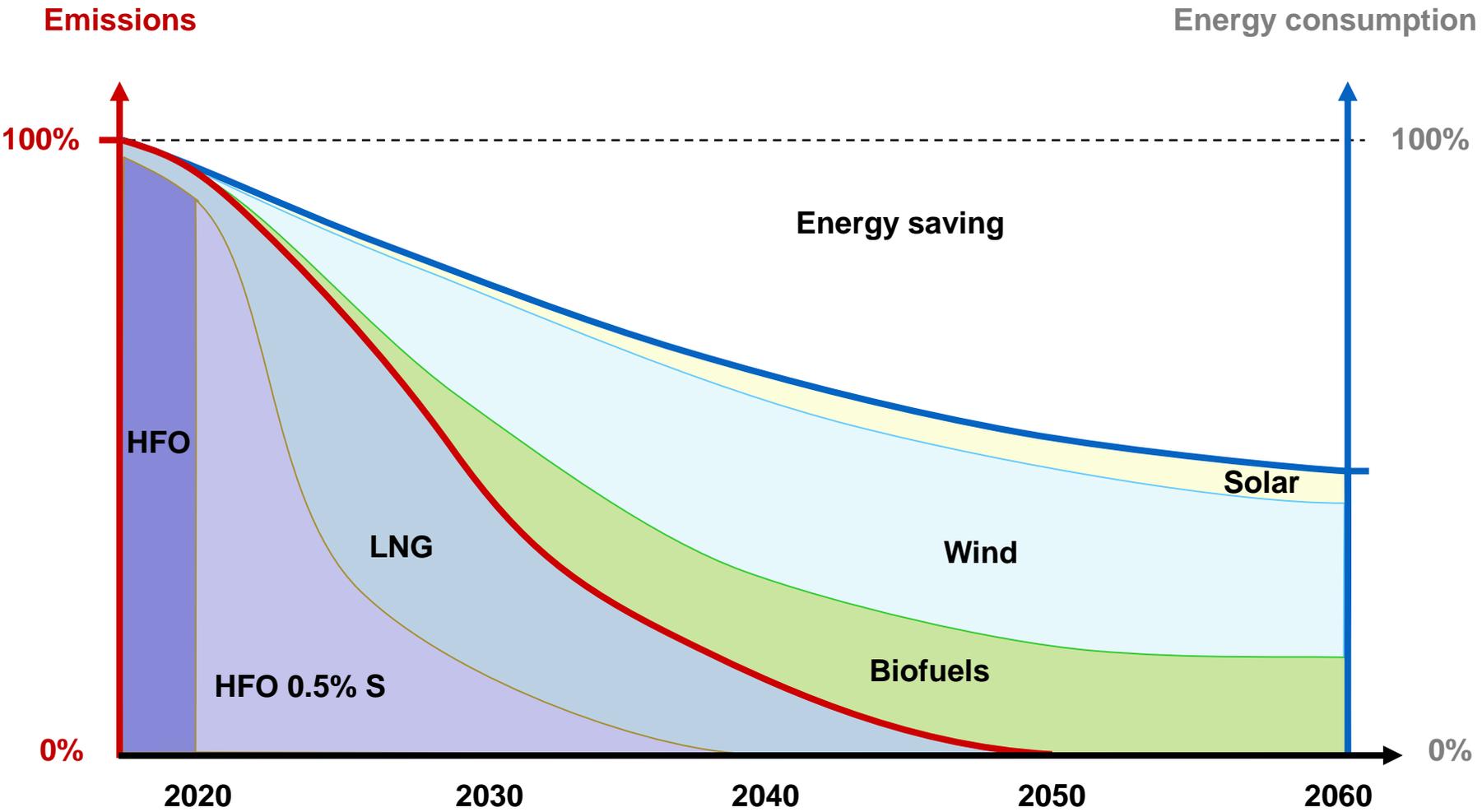
Roadmap towards the zero emission vision
Basis for our future ship designs

Road map for....:

- operation
- energy carriers
- technology
- Wallenius' ship designs
- energy consumption
- emissions
- Wallenius Marine's competence



Energy and emissions roadmap – our scenario

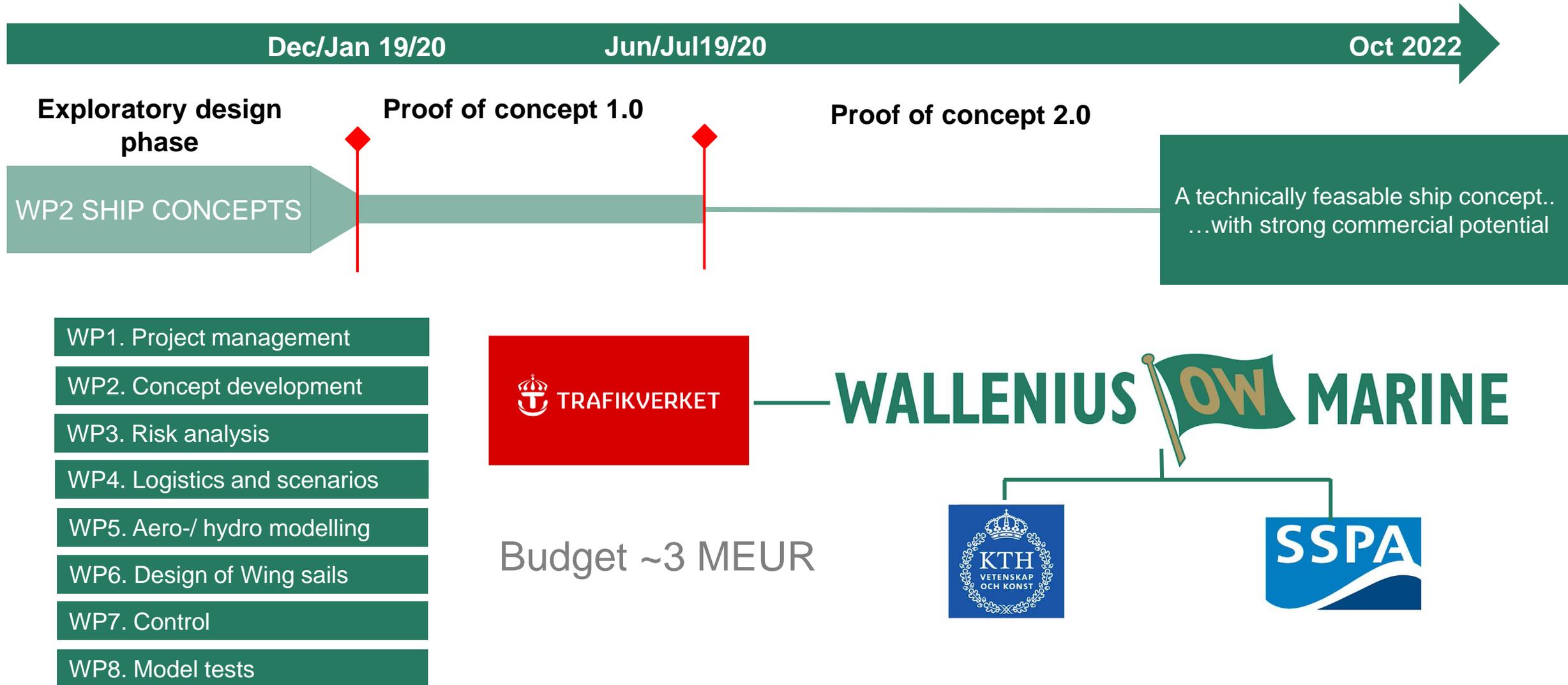


Challenging the orthodoxies – Changing the game

- Wind as main propulsion
- 10 knots average speed
- 90% less emissions
- Concept development
- R&D-funding from Swedish Transportation Administration
- Ready to order by 2021/22

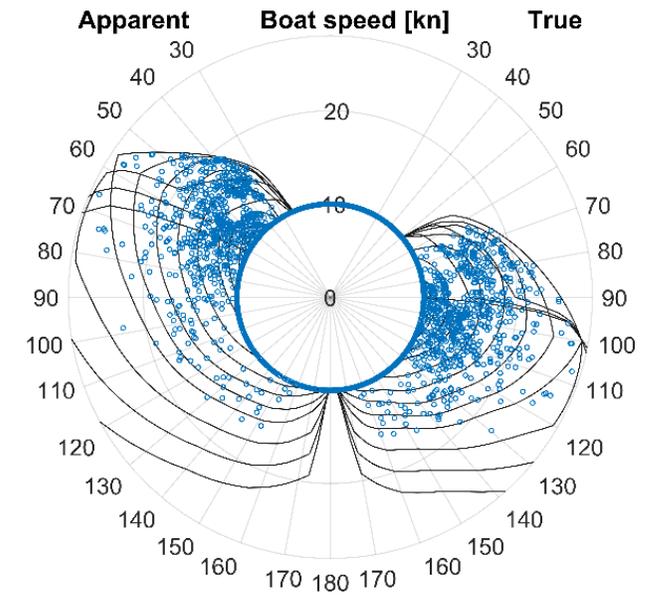
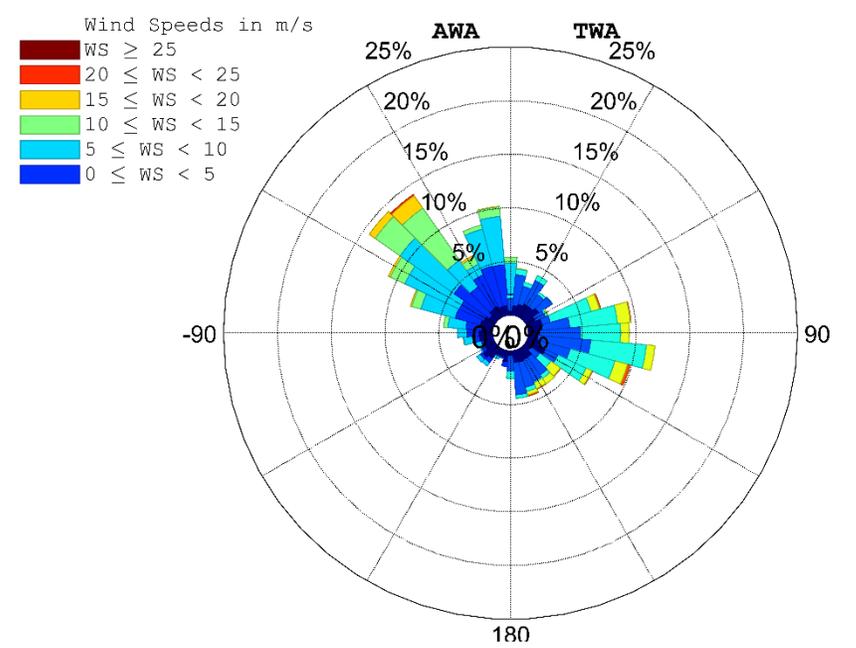
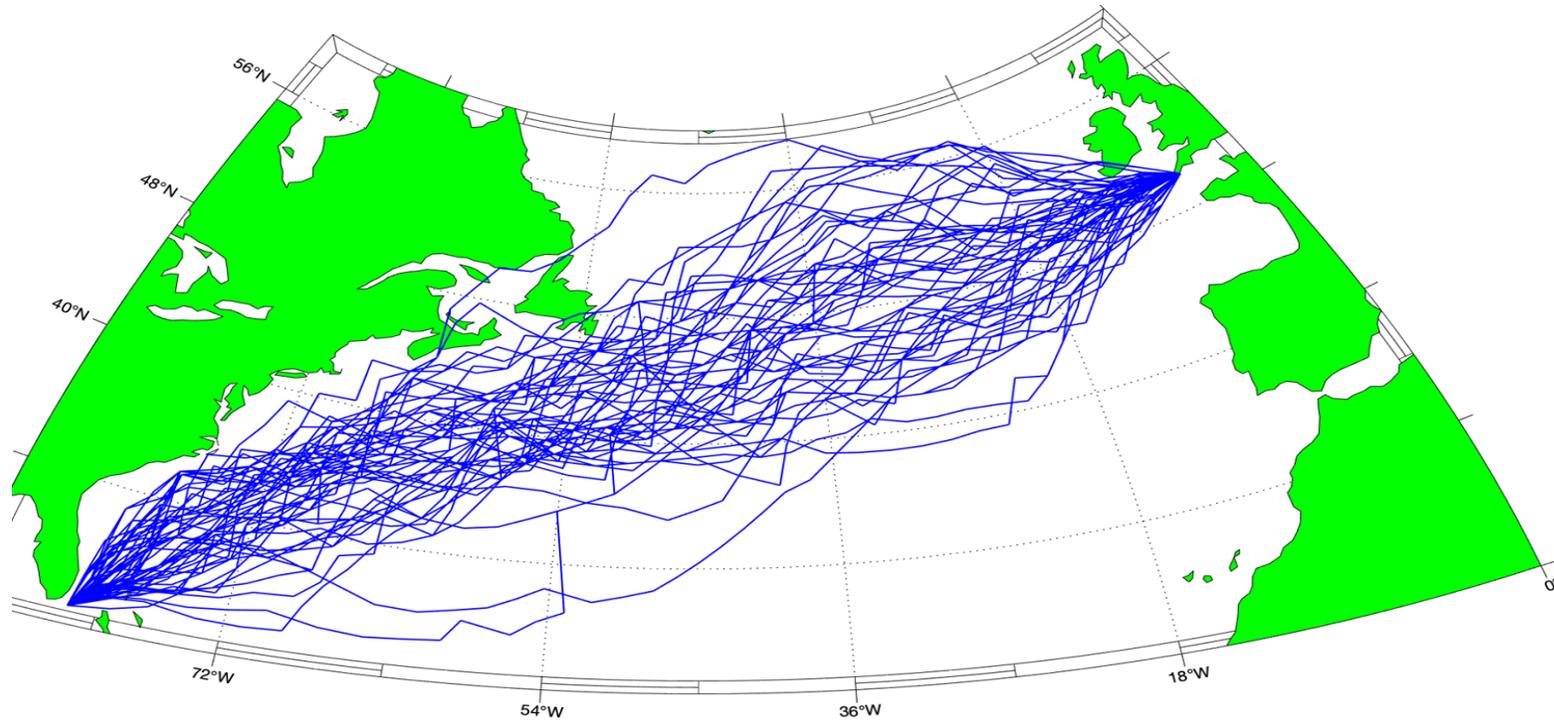


Process wPCC research project



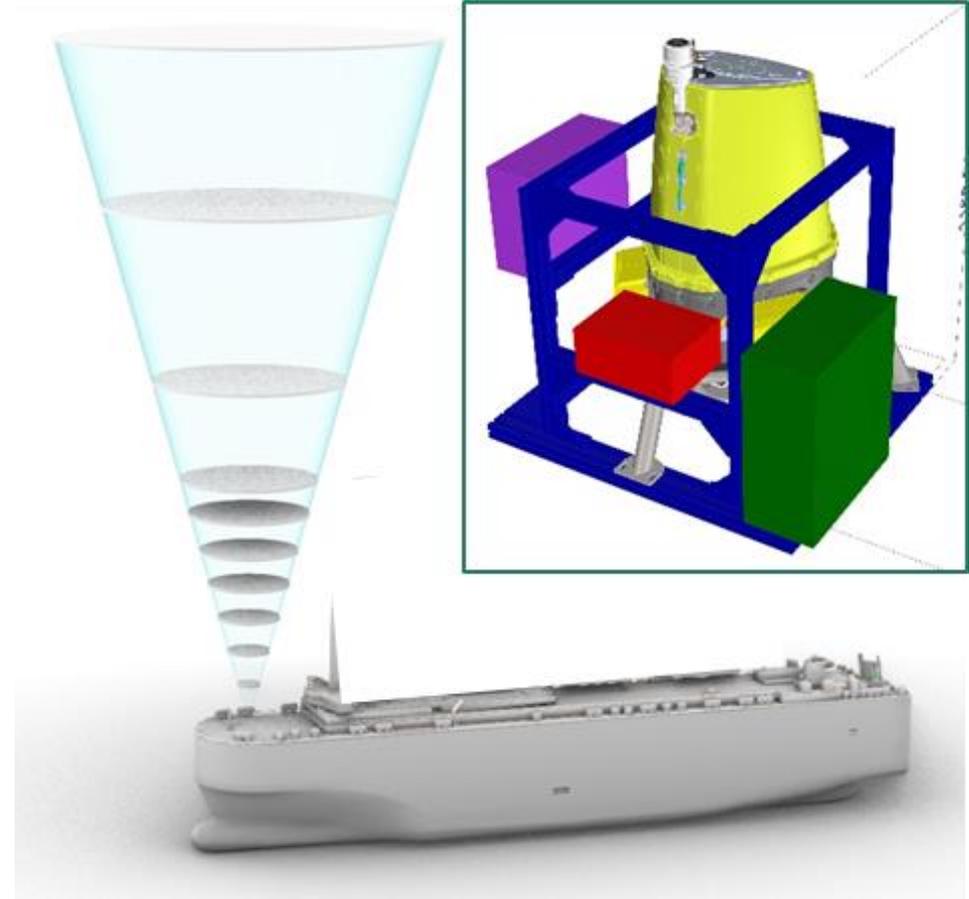
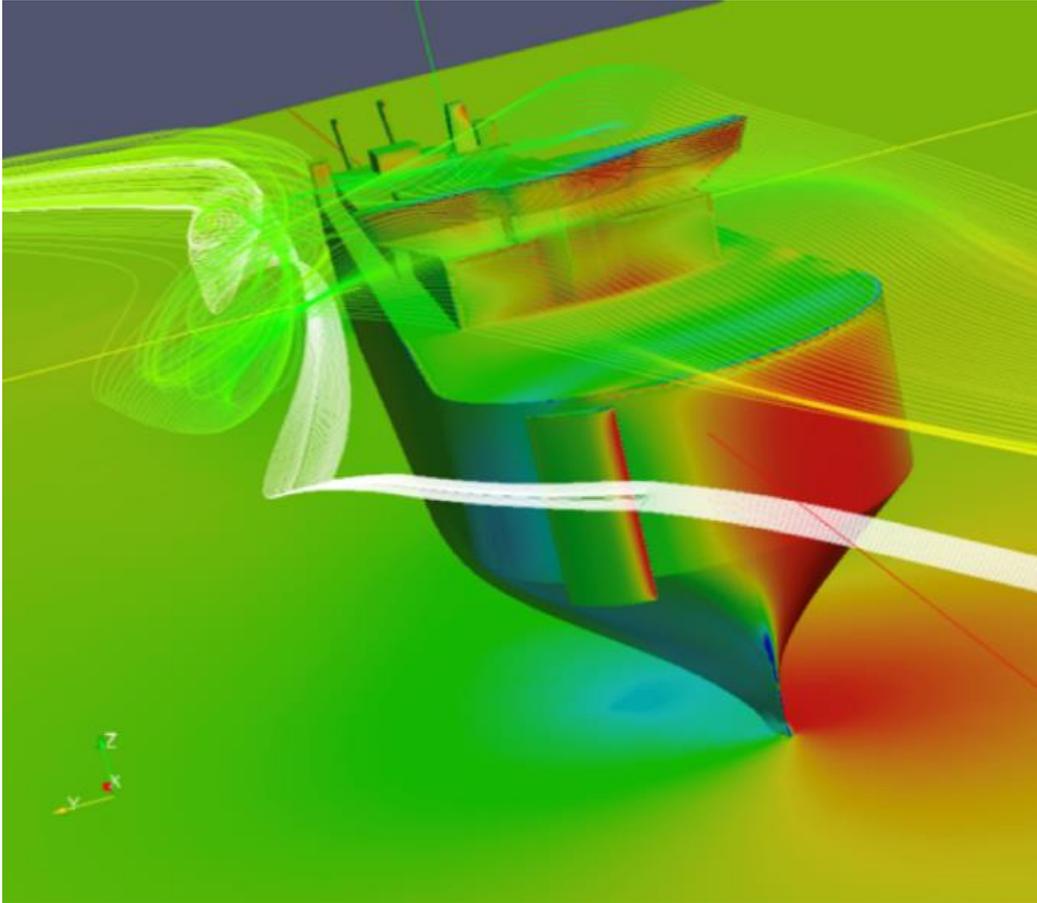
Aero modelling

- Based on historical data



Aero modelling

- Gathering more information



Challenging the orthodoxies

– What happens after the research project?

- Plans for realization
- Commercial discussions
- Ambitions to have a vessel in operation by 2025





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