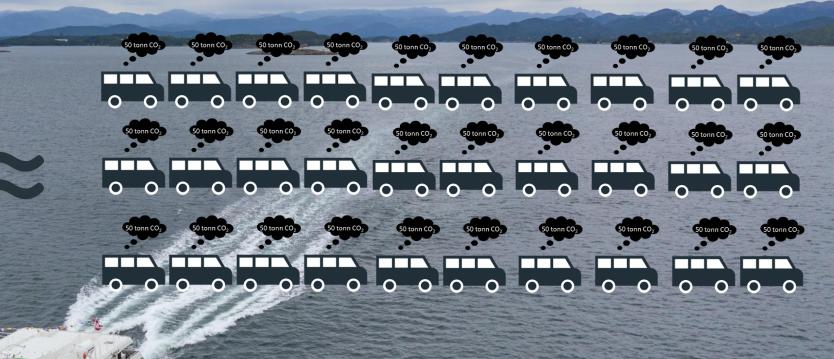


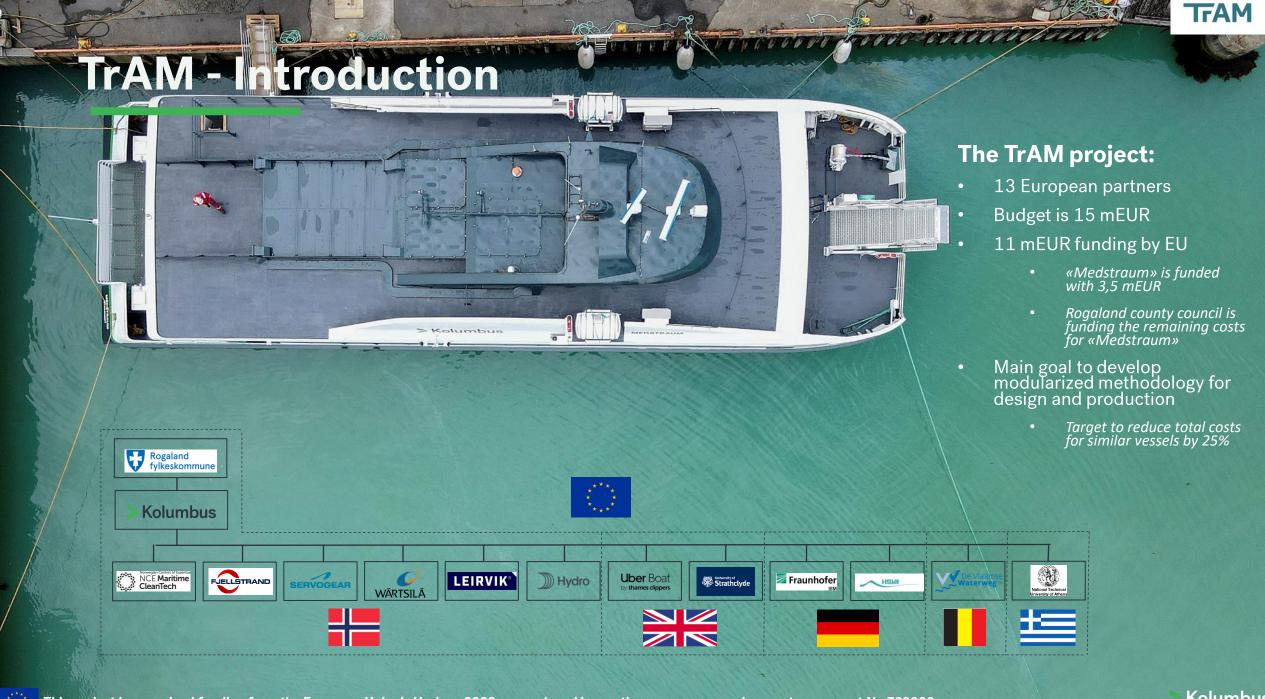
# Introduction



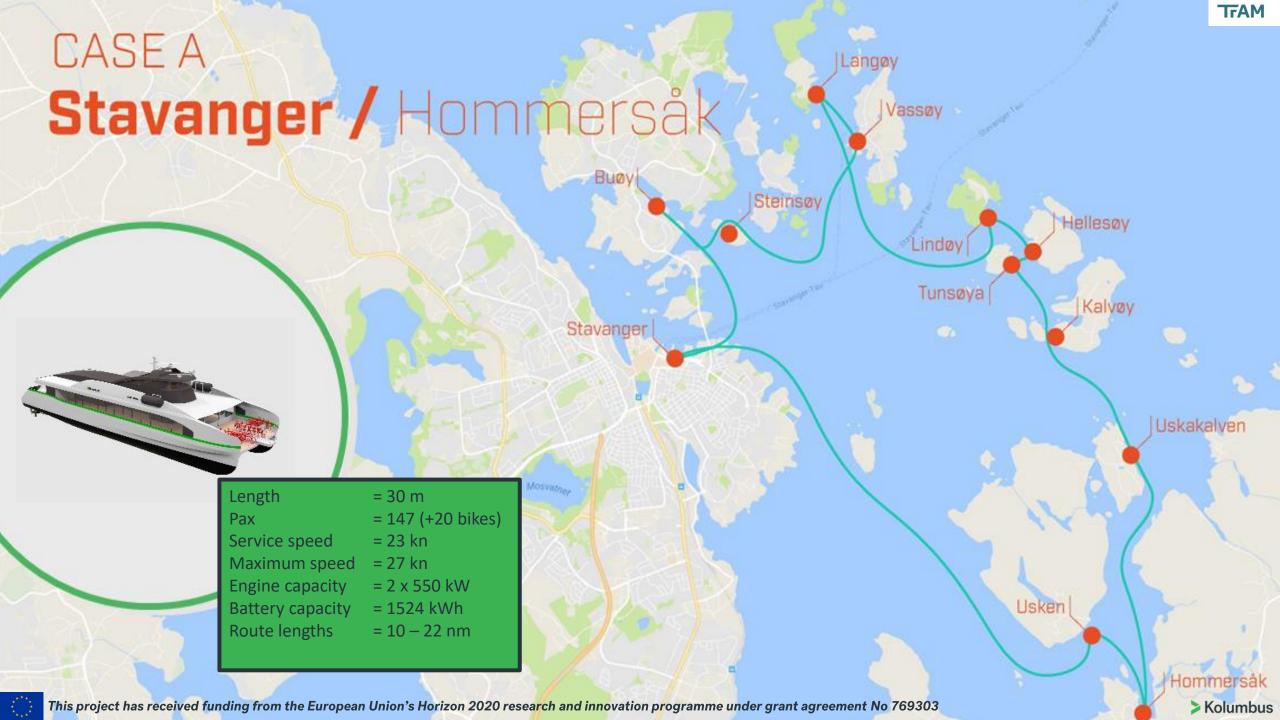


# **Environmental impact of Medstraum**





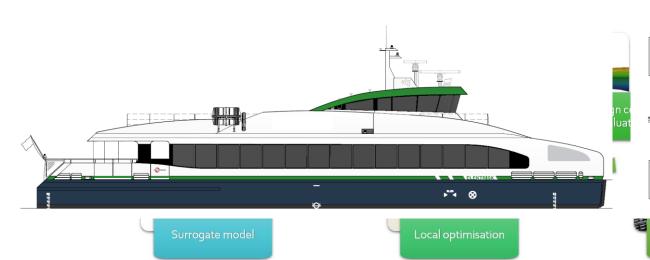


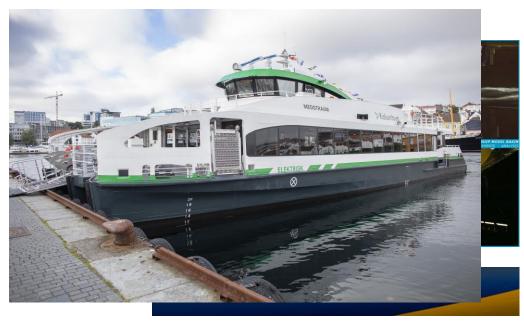


### «Medstraum»

#### Main achievements:

- Extremely high propulsive efficiency achieved (~80%)
  - Hull shape developed through global and local optimisation
  - New propeller developed and propeller tunnel optimised
- Battery rooms placed on deck level:
  - Allows for full optimization of the hull shape for propulsive efficiency
  - Meets all new operational and safety requirements for battery rooms
- The project has proven that electric fast-ferries are possible







## «Medstraum»







Battery room

### **Charging infrastructure**

#### **Charger:**

- Flexible and scalable charging infrastructure
- Total capacity of 8 MW
- Charging capacity for «Medstraum» is 2,3 MW
- Standard CCS2 plugs used to increase flexibility
  - Possible to upgrade to MW charging plugs when commercially available



New trafo- and converter building



Wartsila converters



«Medstraum» charging pod at quayside

