PIONEERING SUSTAINABLE SOLUTIONS
Blue Maritime Cluster
Global Centre of Expertise

Møre og Romsdal

Ålesund

Norway
SHIPBUILDING HAS LONG TRADITIONS

Kvalsund ship 690
Modern fishery 1930 => Rig Pilot 1972
Bourbon Orca year 2006
Nordmand Maximus 2016
Color Hybrid 2019
NORWEGIAN BLUES?
18 SHIPPING COMPANIES
13 SHIPDESIGN - CONSULTACY
14 SHIPYARDS
170 EQUIPMENT SUPPLIERS
14 500 SKILLFUL EMPLOYEES
€ 6 000 000 000 REVENUE IN 2019
€ 2 500 000 000 VALUE CREATION IN 2019
Estimated performance in the Blue Maritime Cluster in 2019

- 6 billion EURO in total revenues
- + 0.5 billion EURO (+9%)
- 8.5 billion EURO in orderbooks – 19 months work
- Up from 14 months in 2018 (8 months in 2017)
- Oil/gas market 32% of total revenues
- Down from 35% in 2018 (50% in 2017)
- 60% of total revenues
- Up from 56% in 2018 (39% in 2017)
Stable growth ahead?

Development in revenues broken down on the four segments. 
Source: Menon (2019)
#zeroemission

Hybrid – all electric/LNG/H2/Bio
BLUE MARITIME CLUSTER NORWAY

• Global Centre of Expertise
  - Top level in the Norwegian cluster program
  - 10 year program to strengthen the cluster mechanism

• Main areas:
  R&D infrastructure
  Reputation and strategic positioning
  Conferences, seminar, networking
  R&D and innovation projects
  Analysis
  Internationalisation of SME’s
  ...and more
Møre Ocean Lab
- Test site conventional and autonomous vessels
Møre Ocean Lab

- Sensors for:
  - Wind
  - Wave
  - Current
  - Salinity
  - AUV Navigation
  - Marine biology
  - Noise
«VS Norway»
- a common VR platform
«VS Norway»
Designed by Vard Design for SFI SMART MARITIME
Purpose: Develop a virtual platform where suppliers can use the virtual cruise ship to visualize their product and systems to their customers and stakeholders around the world.

Impact: The virtual cruise ship can be further developed as a common display and sales tool, and over time could also have simulation functions if the suppliers so desire.

More information: digicat.no
Look into the future, get a solution that meets market expectations, and save time and money.

Test facilities, expertise and networks for virtual testing and simulation.
Partner for:
Digital testing and simulation

- Offer test facilities, expertise and networks for virtual prototyping.
- Specialised in virtual prototypes, digital twins and autonomous operations
- At the centre you can test and validate ideas, concepts and products in a digital world faster and more effectively, with less risk than in the physical world.
- Operated by ÅKP Blue Innovation Arena, Kongsberg Maritime, Inmarsat, Ulstein and Offshore Simulator Centre in collaboration with industrial partners and clusters
Accuracy, reduced risk and easier market access

- **Purpose:** Assist a concept or prototype in order to be introduced to the market.

- **Target group:** Small-medium businesses, but also bigger companies and entrepreneurs.

- **Provide:** Premises, equipment and expertise for testing, simulation and visualisation of technology, products or solutions as a part of the innovative process.
«We cooperate when we can - and we compete when we must»

Idar Ulstein