

International cooperation of autonomous ship associations

Oslo, 30th October 2017

Norwegian interest groups

- Most members have their own activities
 - Industrial R&D projects
 - Administrations are developing strategies
- NMA will probably establish a group of industrial advisors on input to IMO developments
- NTNU AMOS – Centre for excellent research
- Norwegian Forum for Autonomous Ships – NFAS

Purpose of NFAS

- Information distribution internally in group (mailing lists, web presence)
- Resources for members (documents, pictures, project information, presentations)
- Seminars and workshops (participation and arrangements)
- Information dissemination externally to society at large, signal importance of autonomous ship technology and build understanding in society at large
- Contribute to international standards
- International contact point and visibility of Norwegian activities

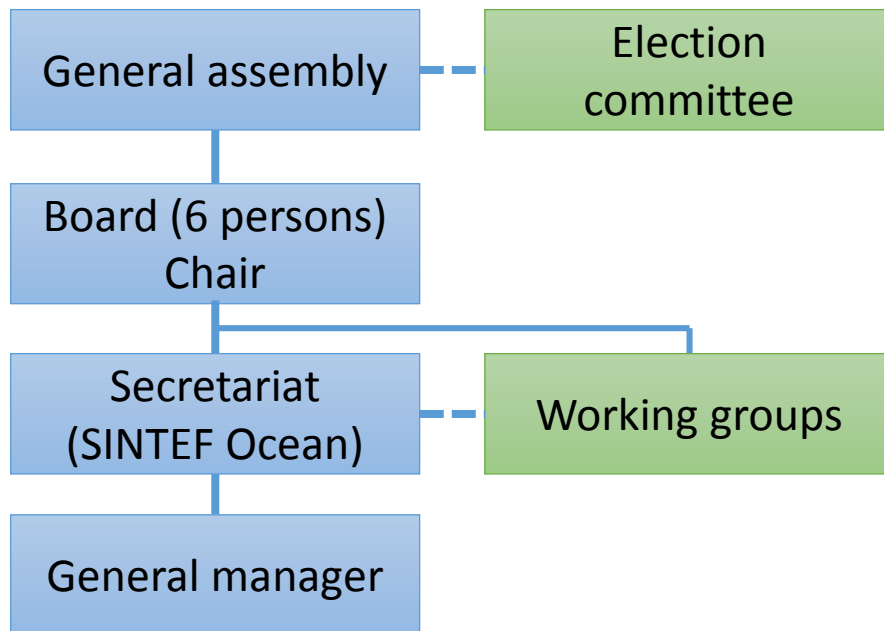
Non-commercial and pre-competitive

Financing

- Membership fee and volunteer work
- Applying for part public funding

- Secretariat and general manager at SINTEF Ocean (this year – as a project)

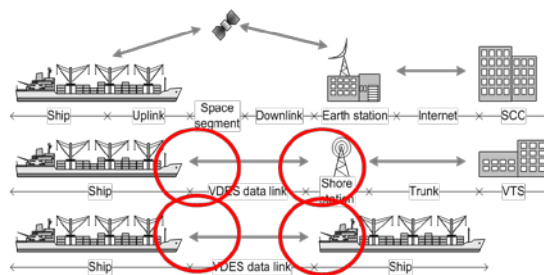
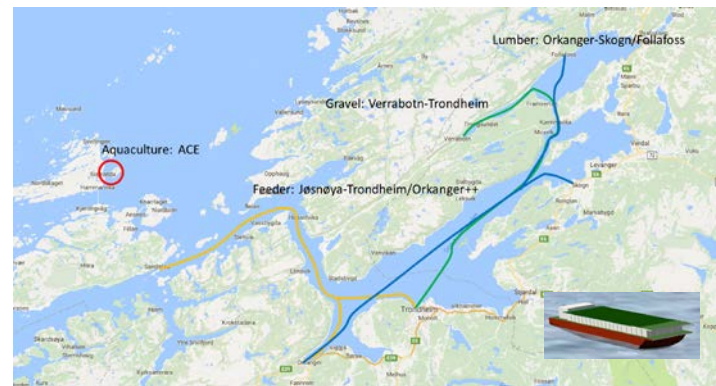
Organization



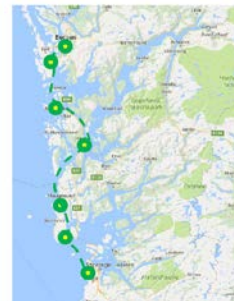
Memberships

- 25 large companies; 9 medium sized; 9 small; 4 personal
- Rough distribution
 - Equipment manufacturers and yards: 17
 - Authorities, class, insurance: 6
 - Universities, university colleges and research: 8
 - Interest organisations and clusters: 8
 - Service providers: 5
 - Ports: 3

Some projects



Operational area



Vessel

Plug in hybrid.
 Battery powered during normal operation.
 Speed: 12 kts
 Operational range: 100nm
 Capacity: 100 TEU
 1300 DWT
 LOA: 60 m



International cooperation – authorities



DIMECC

