Greener, safer and smarter logistics - with autonomous shipping

Massterly is Kongsberg and Wilhelmsen's joint effort to develop the autonomous maritime market



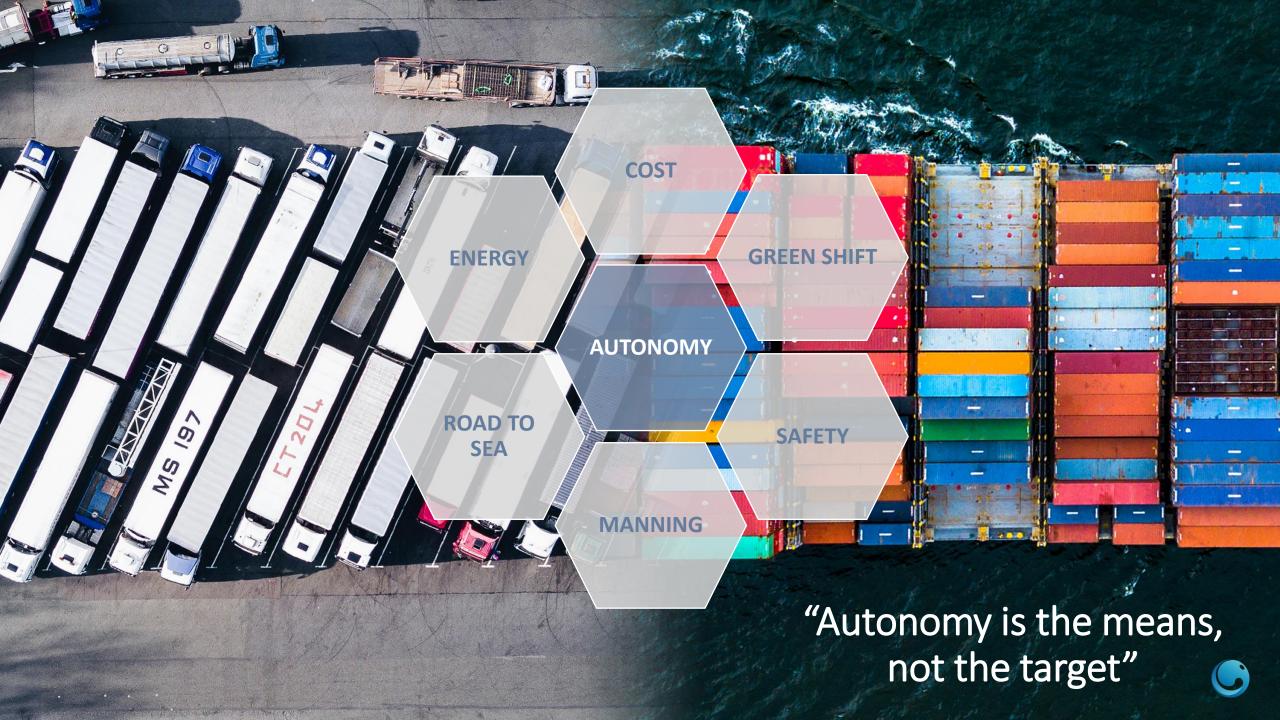
TECHNOLOGY

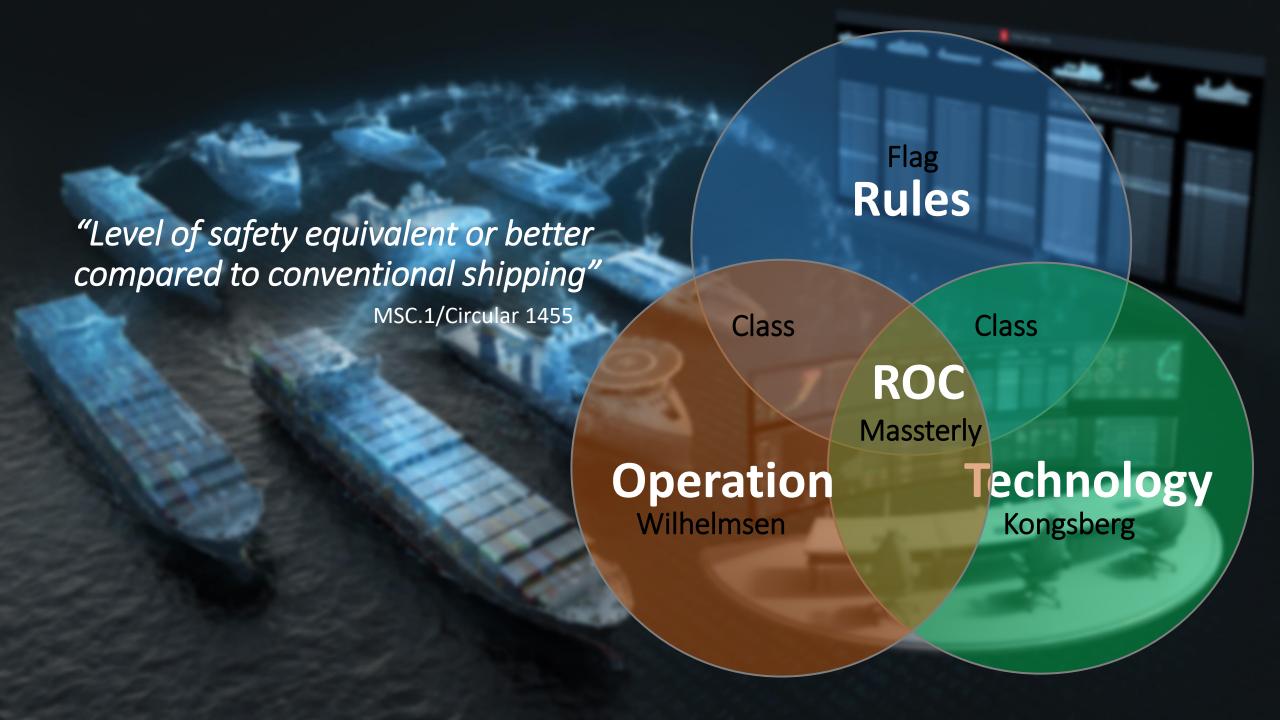
- Leading in development of autonomy
- Frontrunner in digital development
- Trusted on cyber security

OPERATION

- Experienced in vessel operation
- Major logistics operator at sea and on land
- One of the largest maritime network globally







The pillars for autonomous operation









VESSEL SYSTEMS PORT SYSTEMS

Enabling remote & autonomous operations with key digital orchestrators and existing products.

CONNECTIVITY SYSTEM

Enabling secure and safe connection between the ROC and fleet of vessels.

REMOTE OPERATIONS CENTRE

Enabling remote operations of vessels and other floating assets in a safe, efficient and secure manner.

ROC OPERATOR

Vessel operator providing required infrastructure and procedures for remote and autonomous operations.



Categories of operations









REMOTE SUPPORT

Empowering the onboard crew by remote monitoring and support in an expert in the loop setting.

REMOTE CONTROL

Enabling manned/unmanned operations from a remote location with **direct control** capability.

Alleviate the workload of the onboard crew by providing assisted control capability.

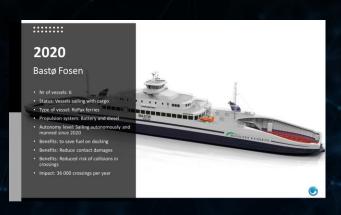
AUTONOMOUS

Autonomous vessel operations with monitoring, supervision and intervention capability from a remote location.

FLEET

Large scale fleet operations solution including mission management, planning, scheduling, resource management supplementary to other categories of operations.







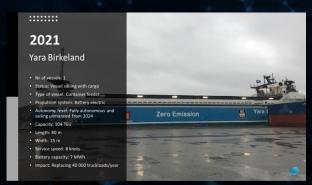
202X

Ekornes/DB Schenker

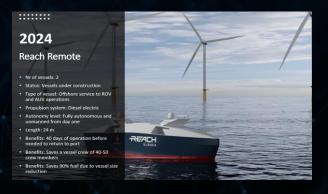
Nr of vessels: 1
Status: Concept, development
Type of vessel: Container feeder
Propulsion system: Battery electric
Autonomy level: Fully autonomous and unnament from day one
Length: 67 m
Width: 15 m
Service speed: 8 knots
Sestiery capacity: 0 9 MWh

2020 2022

2021



2024



202X