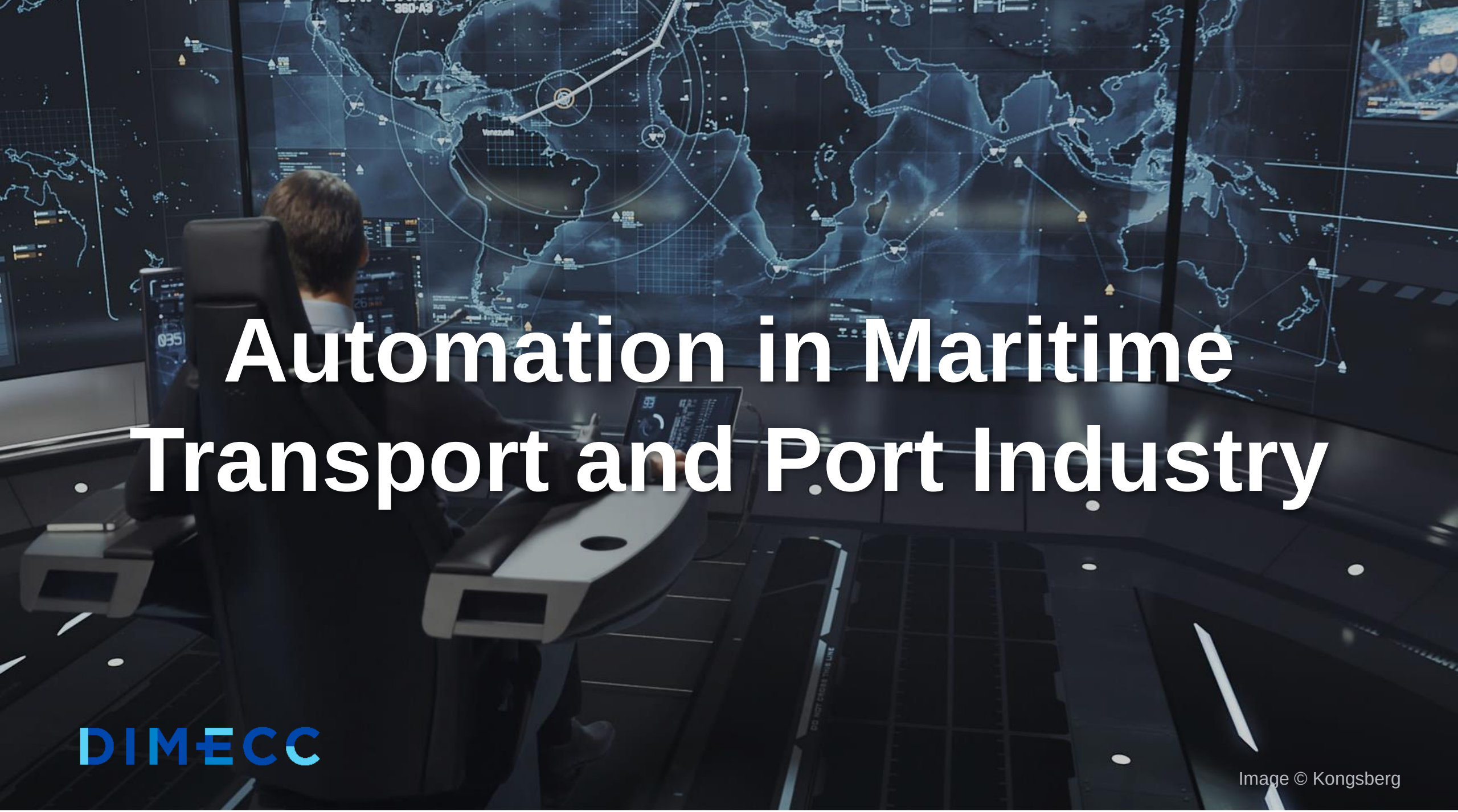

Automation in Maritime Transport and Port Industry

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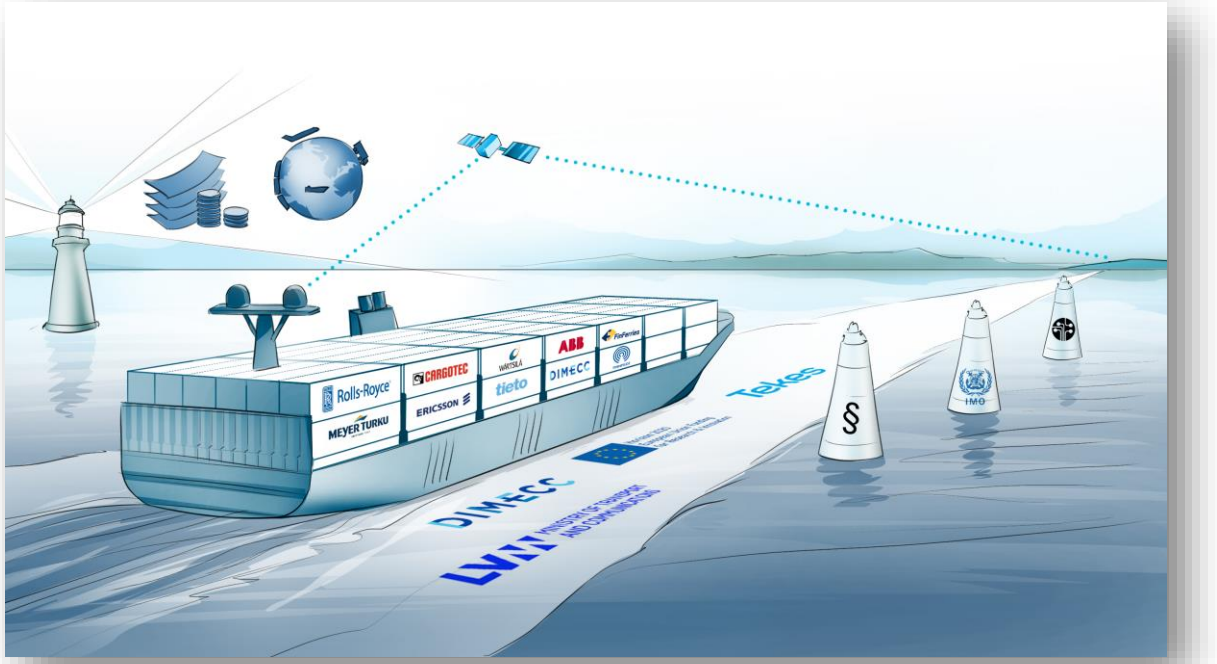
Image © Kongsberg

Agenda

I. Introduction
II. Current outcomes
III. Plan for future



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One Sea Partners

ABB
Cargotec
Ericsson
Finnpilot Pilotage
Kongsberg
Tieto
Wärtsilä

ABB

KONGSBERG

CARGOTEC
HIAB · KALMAR · MACGREGOR

tieto

ERICSSON

WÄRTSILÄ

FINNPILOT

Suomen Varustamot
Rederierna i Finland
Finnish Shipowners' Association

Meriteollisuus
Finnish Marine Industries

Suomen Satamaliitto
Finnish Port Association

SHIPBROKERS
FINLAND

BUSINESS
FINLAND

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Ecosystem activities

Ecosystem Core Activities	**Vision & Strategy**	**Roadmaps**
Ecosystem Program Activities ***Open to all parties***	Product & service creation	
	Startup ecosystem	
	Pilots, PoC’s	
	R&D Programs	
	Rules & regulations	
	Test areas, Labs	

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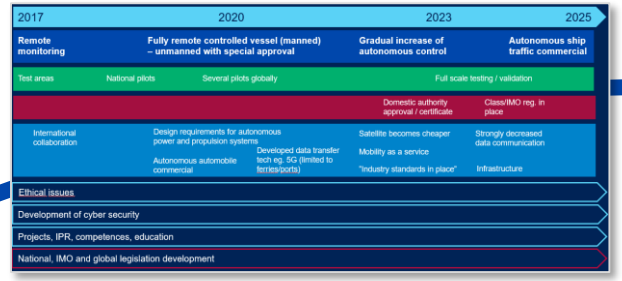
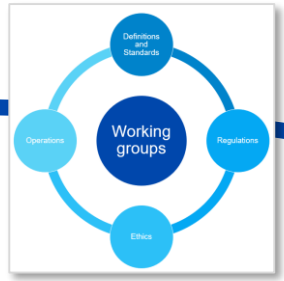
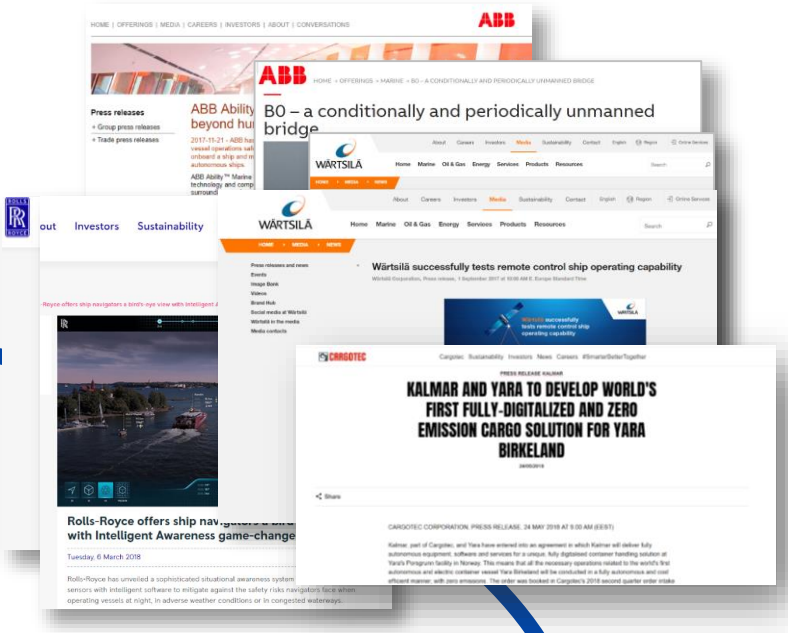
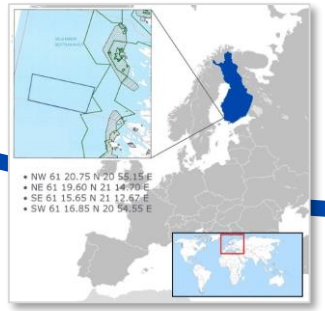
Ecosystem Outcomes 2016-2018

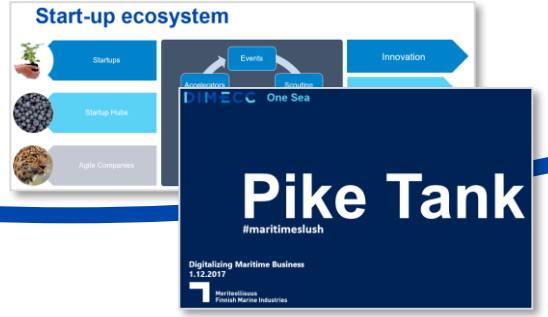


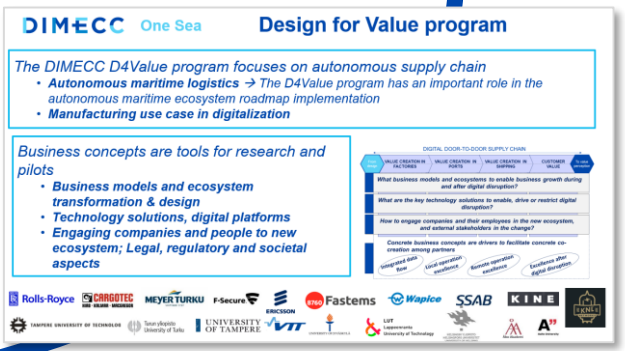




Ecosystem Core Activities	Vision & Strategy	Roadmaps
Ecosystem Program Activities *Open to all parties*	Product & service creation	
	Startup ecosystem	
	Pilots, PoC's	
	R&D Programs	
	Rules & regulations	
	Test areas, Labs	



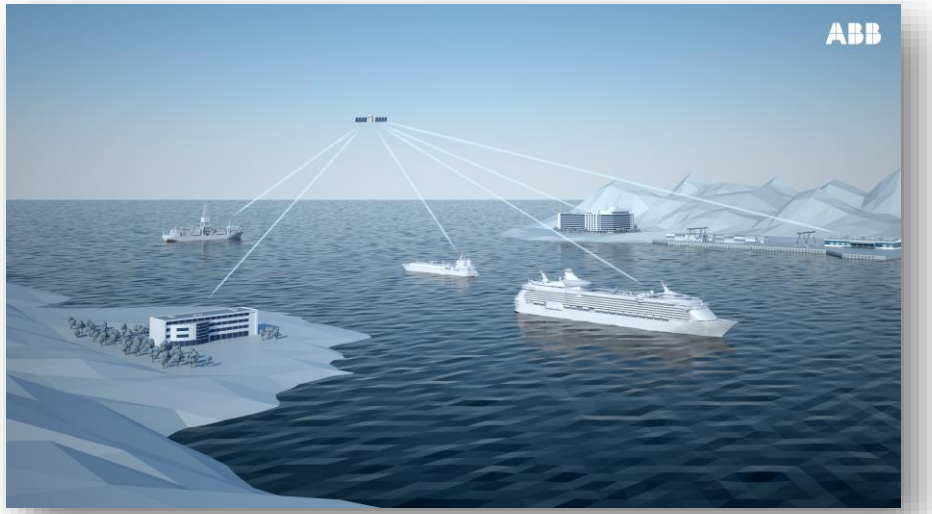




One Sea objectives

- Further internationalisation of core partners
- Promoting and supporting maritime automation efforts globally
- Effective cooperation with international organisations
- Holistic development of autonomous transport system in collaboration with the public sector

Application cases



- Industrial standards
- Research programs Sea4Value
- Tallinn-Helsinki fully digitalised TENT-T maritime corridor

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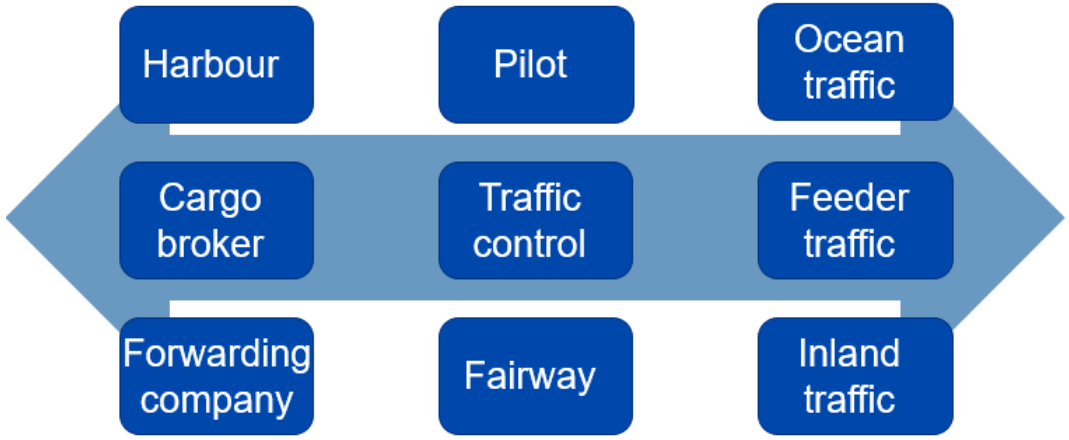
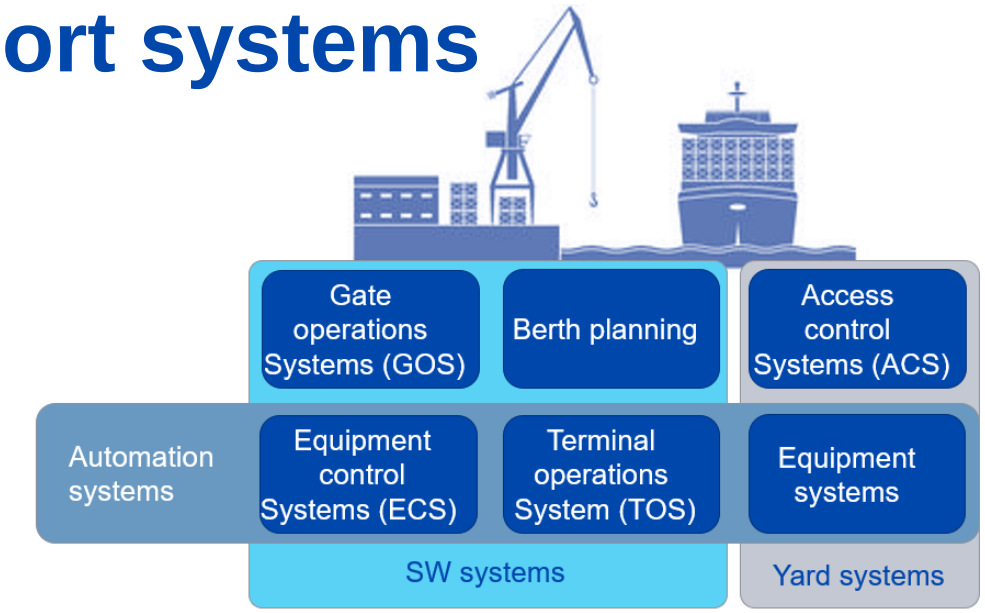
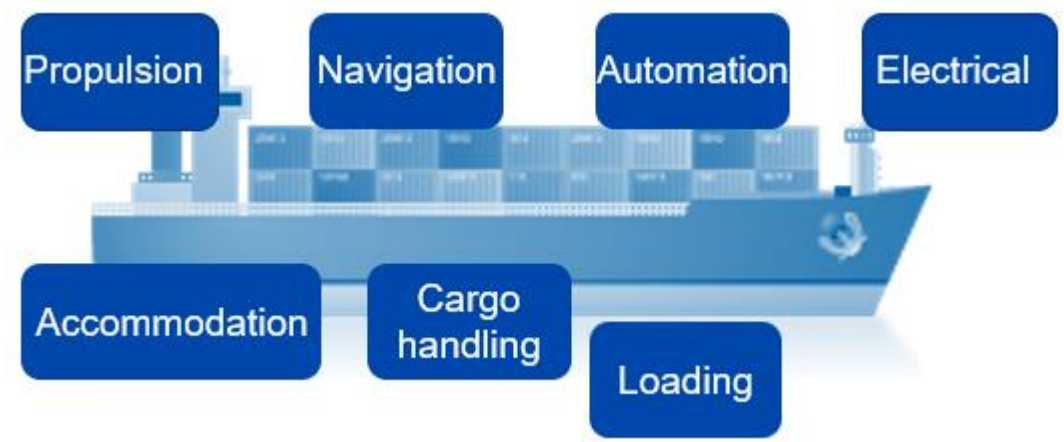
Maritime logistics chain



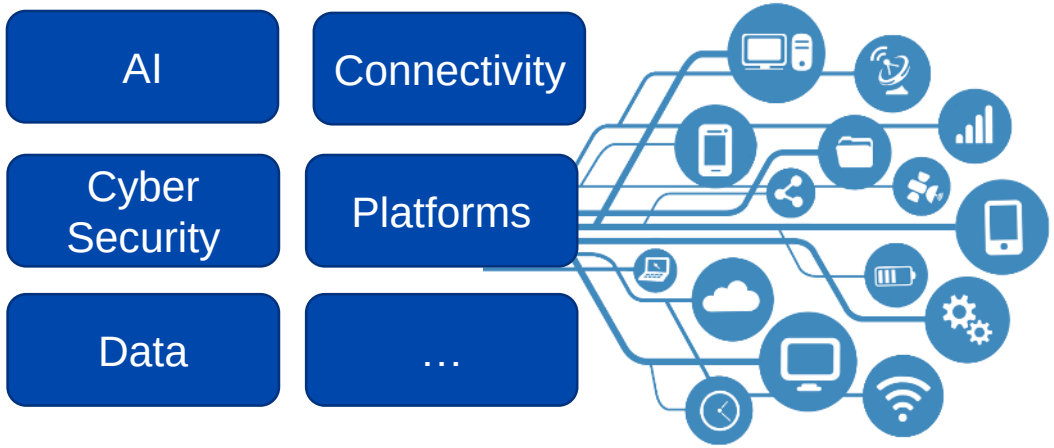
Port systems



Ship systems



Application of technology



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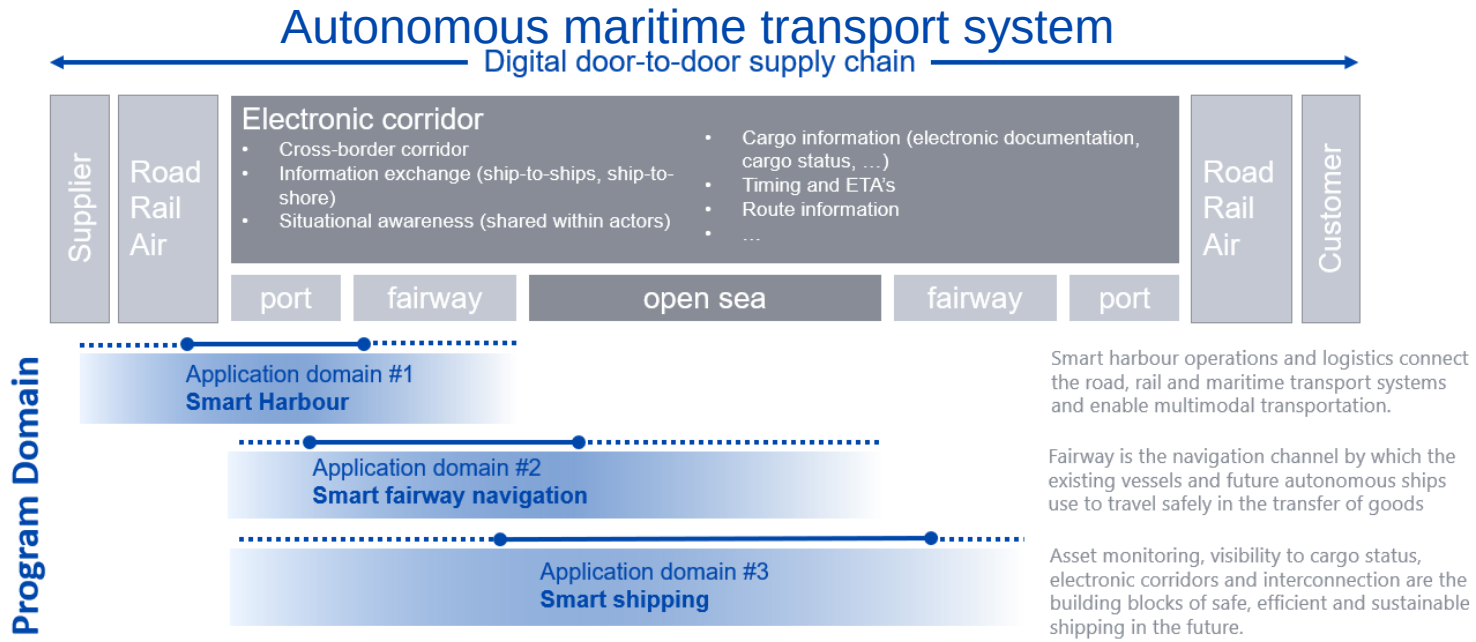
Sea4Value – Value creation via smart and autonomous maritime transport

The program mission is to provide blueprints towards digitalization, service innovation and information flows in maritime transport. Longer term mission is preparing for advanced autonomous operations and navigation.

Planned program outcomes

1. Smart harbour experiments on improved visibility of cargo information suitable for small and medium sized harbours
2. Smart fairway navigation experiments
3. ePilotage working environment (on shore) and remote pilotage experiments
4. Electronic corridor concept defined and experiments between Tallinn and Helsinki



Joint development between companies, research organizations and authorities to create new knowledge and innovation

CARGOTEC · HIAB · KALMAR · MACGREGOR · ESL Shipping · ERICSSON · FINNPILOT · F-Secure · Lingsoft · MEYER TURKU · NESTE · RAUMAN SATAMA PORT OF RAUMA · Rolls-Royce · SATEL · tieto · UPM · Wapice · FINNISH METEOROLOGICAL INSTITUTE · TRAFICOM · VÄYLÄ · Suomen Varustamot Rederierna i Finland Finnish Shipowners' Association · Aalto University · JYVÄSKYLÄN YLIOPISTO UNIVERSITY OF JYVÄSKYLÄ · NOVIA · Tampere University · UNIVERSITY OF TURKU · VTT · Åbo Akademi University

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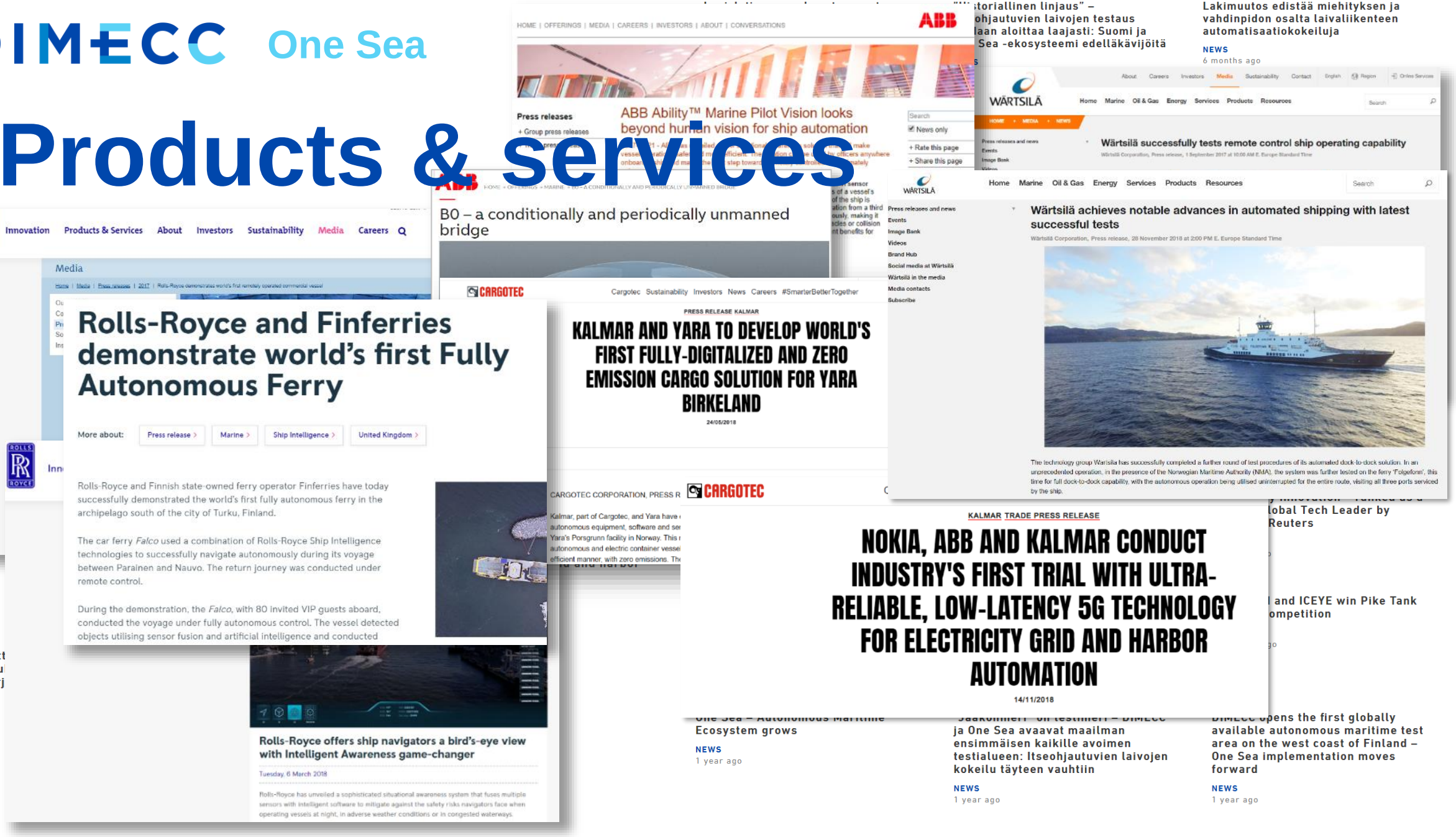
Products & services



Lakimuutos edistää miehityksen ja vahdinpidon osalta laivaliikenteen automatisaatiokokeiluja

NEWS

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One S… lisää … muka… merer…

NEWS

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Nokia… erittä… 5G-tel… sähkö… autom…

NEWS

2 weeks

Rolls-… auton…

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Tieto toimitt… Meripelastu… johtamisjärj…

NEWS

3 months ago

…ohjautuvien laivojen testaus …laan aloittaa laajasti: Suomi ja …Sea -ekosysteemi edelläkävijöitä

…lobal Tech Leader by …Reuters

… and ICEYE win Pike Tank …ompetition

One Sea – Autonomous Maritime Ecosystem grows

NEWS

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… ja One Sea avaavat maailman ensimmäisen kaikille avoimen testialueen: Itseohjautuvien laivojen kokeilu täyteen vauhtiin

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… opens the first globally available autonomous maritime test area on the west coast of Finland – One Sea implementation moves forward

NEWS

1 year ago

DIMECC One Sea

DIMECC's co-creation ecosystem One Sea seeks global partners to join the leading co-creation ecosystem.

Join us!

www.oneseaecosystem.net

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