



**One Sea – Autonomous Maritime Ecosystem**

# **Digital and autonomous maritime transport system**

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**Business Finland Smart Mobility  
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Image © Kongsberg



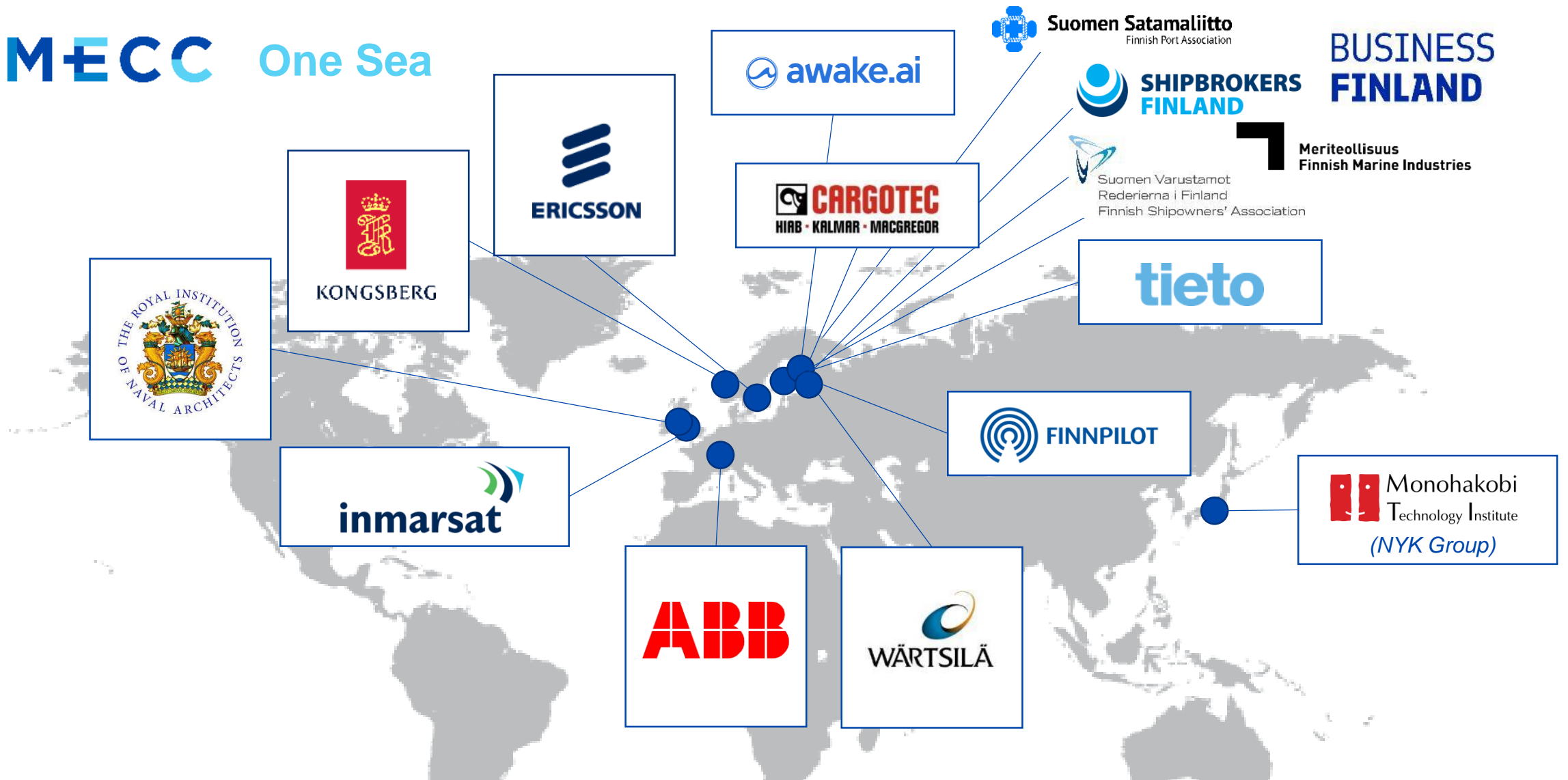
The vision of **One Sea** is to have autonomous maritime system in operation by 2025



A large container ship, the Tsingtao Express, is shown from an aerial perspective, sailing on a deep blue ocean. The ship's deck is covered with a dense stack of multi-colored shipping containers. The ship's hull is dark blue with a red upper section. The name 'TSINGTAO EXPRESS' is visible on the side of the hull. The ship is moving towards the right, leaving a white wake behind it. The sky is a clear, pale blue.

**Global pioneers of marine  
industry are leading the  
business-driven project.**





**One Sea ecosystem is a collaboration of leading, global, multi-industrial companies, to enable autonomous logistics system.**



**Safe  
Efficient  
Sustainable**

# Ecosystem activities

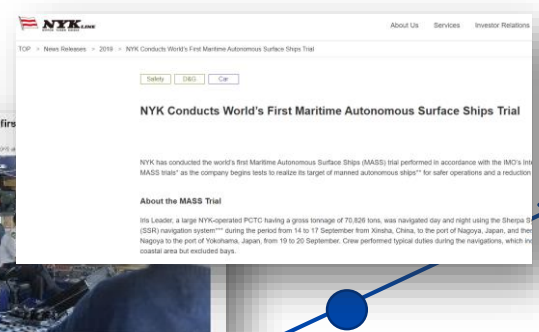
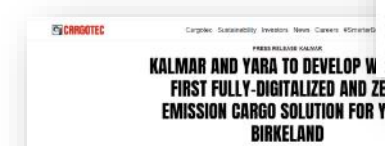
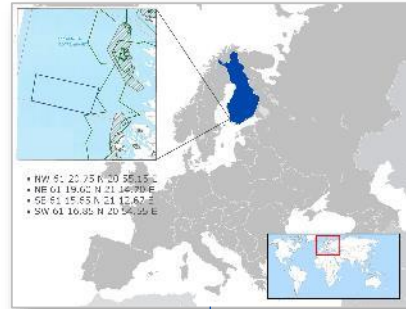
Ecosystem Core Activities	Vision & Strategy				
	Roadmaps				
<b>Ecosystem Program Activities</b>  <i>Open to all parties</i>	Product & service creation				
	Startup ecosystem				
	Pilots, PoC's				
	R&D Programs				
	Rules & regulations				
	Test areas, Labs				

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# Recent development



20<sup>th</sup> Feb 2017

First remote operated commercial vessel

10 May 2017

First autonomous zero emission cargo ship announced

10<sup>th</sup> July 2017

First globally open test area to test maritime autonomy related technology

1<sup>st</sup> Sep 2017

First remote operated vessel over satellite

29<sup>th</sup> Nov 2017

First situational awareness products launched

24<sup>th</sup> Apr 2018

B0 – a conditionally and periodically unmanned bridge

24<sup>th</sup> May 2018

First fully digitalized cargo solution announced

Dec 2018

First Autonomous Ship trials

3<sup>rd</sup> Jun 2019

First commercial auto-docking solution

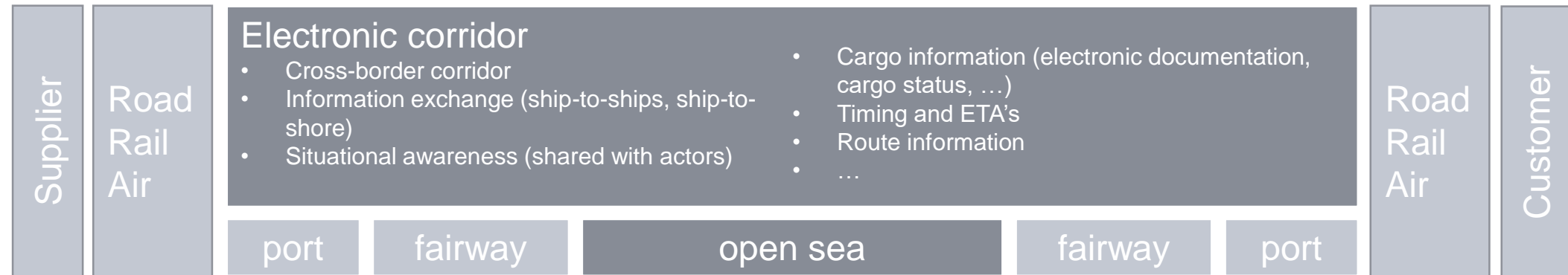
19<sup>th</sup> Sep 2019

First MASS trial under IMO Interim GL



# Digital and autonomous maritime transport system

← Digital door-to-door supply chain →



Program domain



**Smart harbour operations and logistics** connect the road, rail and maritime transport systems and enable multimodal transportation.

**Safe channel for existing vessels and future autonomous ships** is a combination of increased awareness and connectivity.

**Asset monitoring, visibility to cargo status**, electronic corridors and interconnection are the building blocks of safe, efficient and sustainable shipping in the future.

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

**Join us!**

[www.oneseaecosystem.net](http://www.oneseaecosystem.net)

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