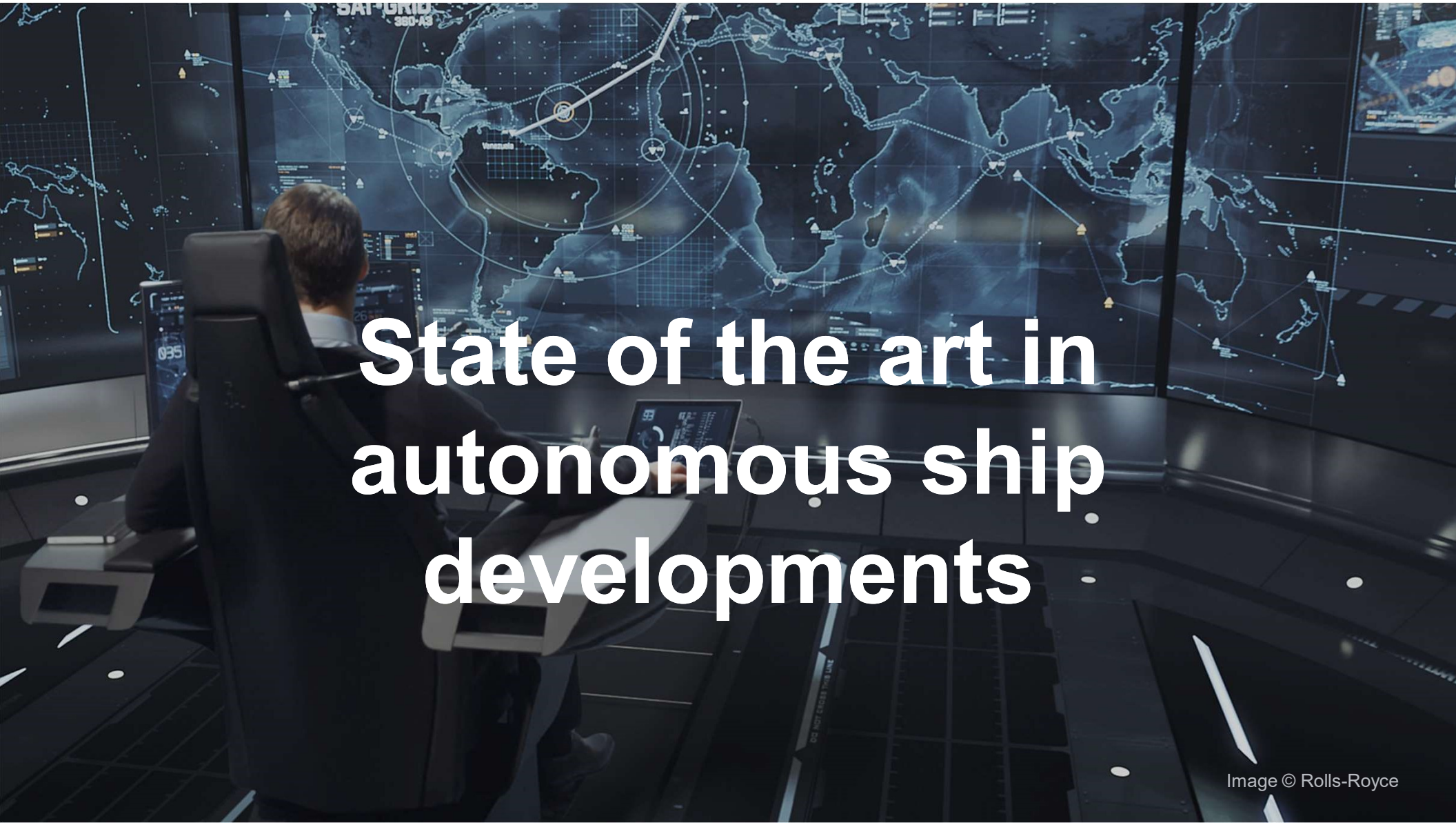

State of the art in autonomous ship developments

Image © Rolls-Royce

Agenda

I. Introduction
II. Example cases
III. What next?

DIMECC One Sea

Products & services

Rolls-Royce and Finferries demonstrate world's first Fully Autonomous Ferry

More about: Press release › Marine › Ship Intelligence › United Kingdom ›

Rolls-Royce and Finnish state-owned ferry operator Finferries have today successfully demonstrated the world's first fully autonomous ferry in the archipelago south of the city of Turku, Finland.

The car ferry *Falco* used a combination of Rolls-Royce Ship Intelligence technologies to successfully navigate autonomously during its voyage between Parainen and Nauvo. The return journey was conducted under remote control.

During the demonstration, the *Falco*, with 80 invited VIP guests aboard, conducted the voyage under fully autonomous control. The vessel detected objects utilising sensor fusion and artificial intelligence and conducted

Rolls-Royce offers ship navigators a bird's-eye view with Intelligent Awareness game-changer

Tuesday, 6 March 2018

Rolls-Royce has unveiled a sophisticated situational awareness system that fuses multiple sensors with intelligent software to mitigate against the safety risks navigators face when operating vessels at night, in adverse weather conditions or in congested waterways.

ABB Ability™ Marine Pilot Vision looks beyond human vision for ship automation

B0 – a conditionally and periodically unmanned bridge

KALMAR AND YARA TO DEVELOP WORLD'S FIRST FULLY-DIGITALIZED AND ZERO EMISSION CARGO SOLUTION FOR YARA BIRKELAND

24/05/2018

Wärtsilä successfully tests remote control ship operating capability

Wärtsilä achieves notable advances in automated shipping with latest successful tests

NOKIA, ABB AND KALMAR CONDUCT INDUSTRY'S FIRST TRIAL WITH ULTRA-RELIABLE, LOW-LATENCY 5G TECHNOLOGY FOR ELECTRICITY GRID AND HARBOR AUTOMATION

14/11/2018

Lakimuutos edistää miehityksen ja vahdinpidon osalta laivaliikenteen automatisaatiokokeiluja

NEWS
6 months ago

NEWS
6 hours

NEWS
2 weeks

NEWS
2 weeks ago

NEWS
3 months ago

NEWS
1 year ago

NEWS
1 year ago

NEWS
1 year ago

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Fully automated container port in Qingdao, China

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First commercial situational awareness system in 2017

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Autodocking systems tested

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World’s first autonomous cargo vessel on order

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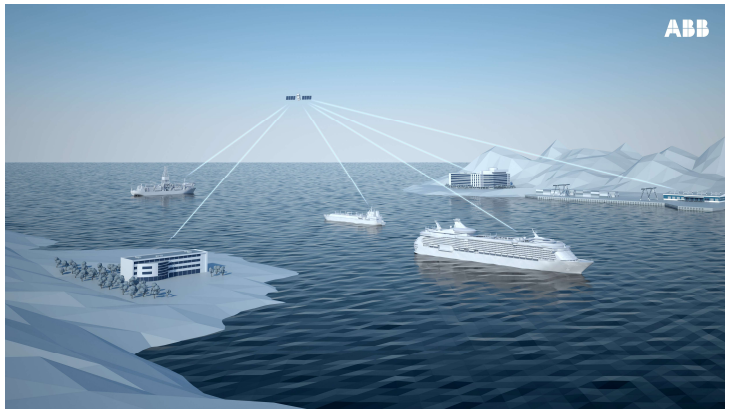
World’s first fully autonomous ferry demonstration



What next?

- Currently focus on remote operation
- Combining the current products for autonomous solutions?
- Ships combining autonomous, remote controlled and traditional operations?

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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