

The next wave in maritime digitalisation

Mare Straetmans

November 7th, 2019, Busan

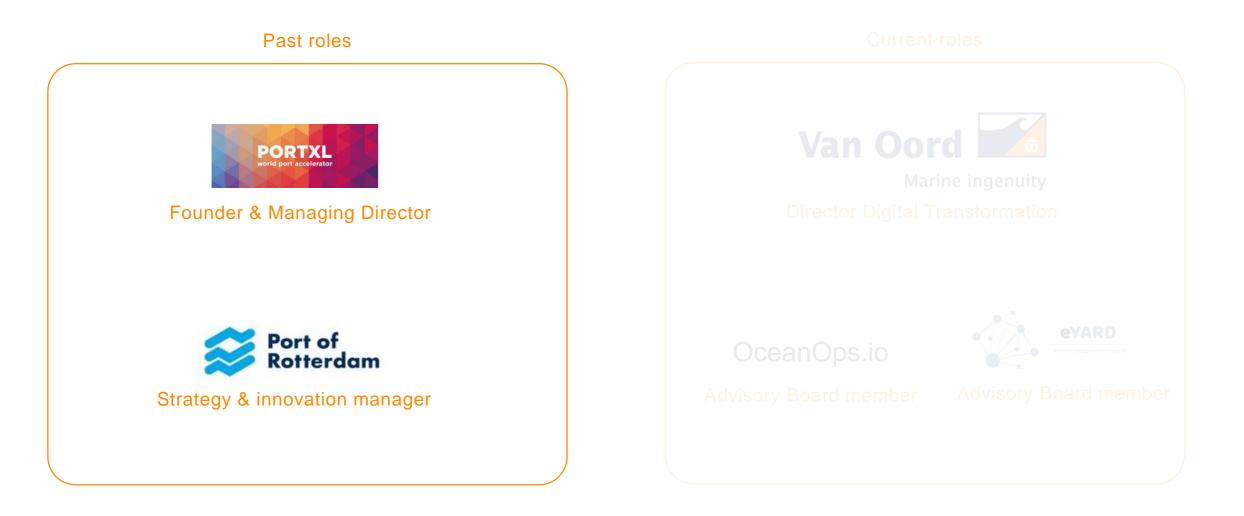


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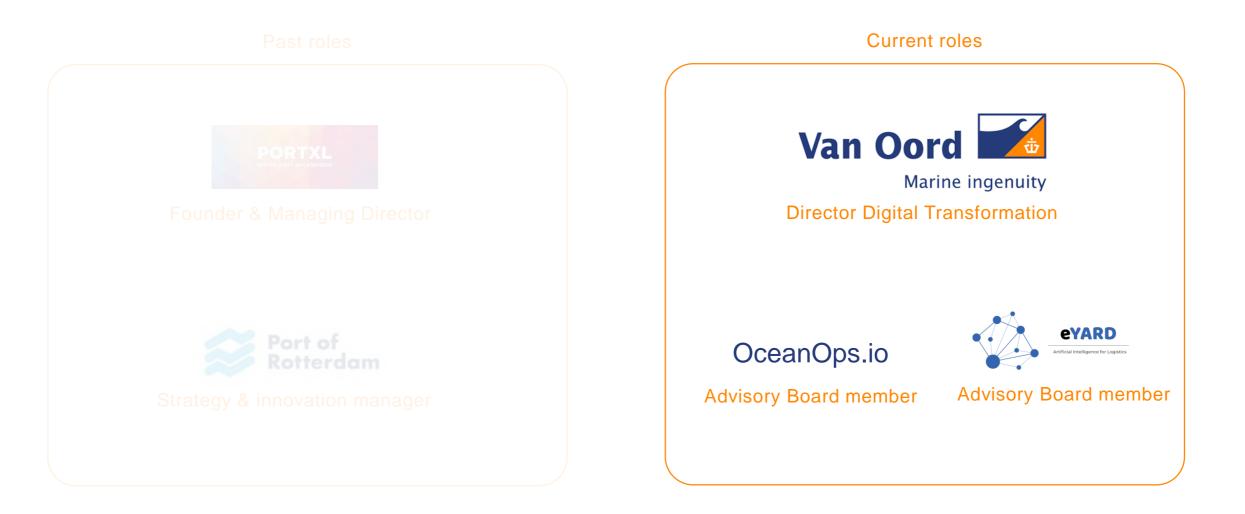


@portinnovation













OPPORTUNITY



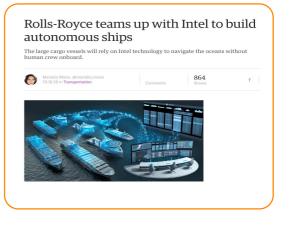


NEW NORWEGIAN AUTONOMOUS SHIPPING TEST-BED OPENS

The Port of Rotterdam Authority tests autonomous navigation with a floating lab

It is not a question of whether but when autonomous navigation will be introduced. In order to prepare the Port of Rotterdam Authority for the arrival of autonomous navigation, the Port of Rotterdam Authority has converted a patrol vessel into a floating lab that collects data, including about the vessif's operation and power.









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The large cargo vessels will rely on Intel technology to navigate the oceans without human crew onboard.







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Energy Web Foundation launches pioneering to accelerate a low-carbon, customer-centric energy system.... blockchain is a crucial enabler for accelerating the low-carbon, distributed electricity future.

19th June, 2019

Rocky Mountain Institute







"Researchers develop fully autonomous drones that can inspect and fix wind turbines"

15th October, 2019

CNBC





"reduce ... emissions by 70 % per transport shipment by 2030"

IKEA

'Nestlé ... commits to zero net emissions by 2050 "

Nestlé



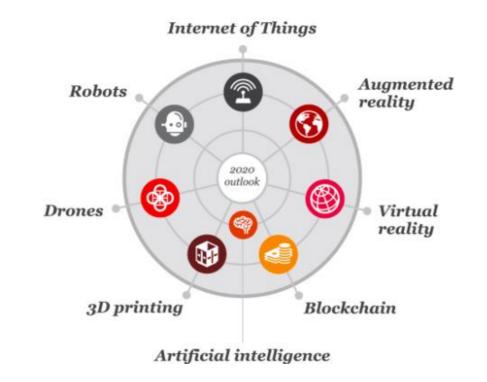


DIGITAL

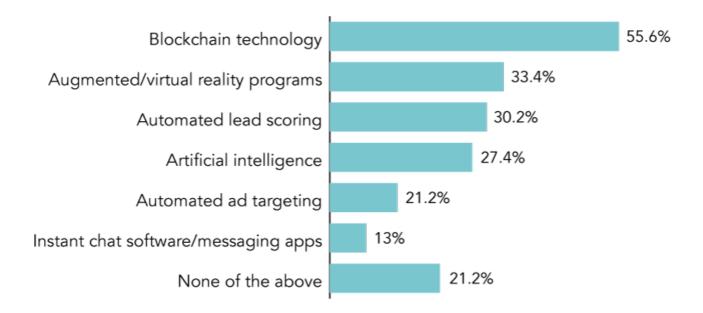
New technologies develop at extreme pace...



The essential eight technologies







Which technology categories do you find difficult to understand?

Base: 401 SMB owners, managers, and employees Source: HubSpot Snap SMB Survey, Q4 2017 HubSpot Research



"Digital transformation is the integration of digital technology into all areas of a business, fundamentally changing how you operate and deliver value to customers. It's also a cultural change that requires organizations to continually challenge the status quo, experiment, and get comfortable with failure."

Understanding the basics

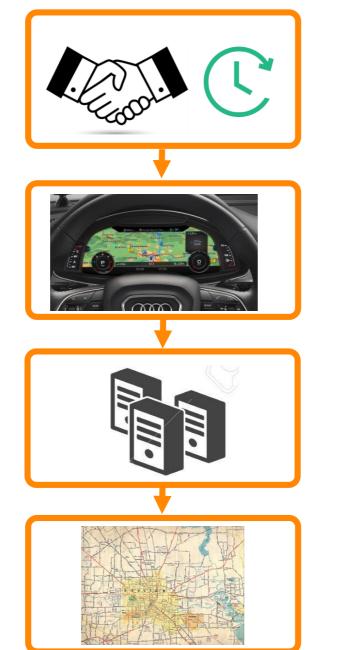


From data to value



Understanding the basics





In time for your meeting

Insights through visualisation

Storing and organising

Sensor data & models





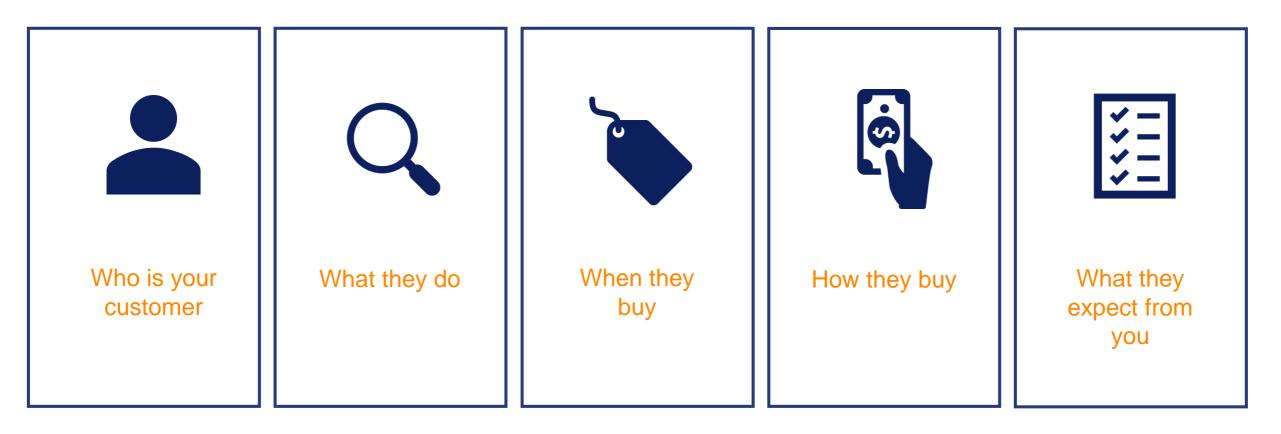
GETTING STARTED





1. Extreme client focus...





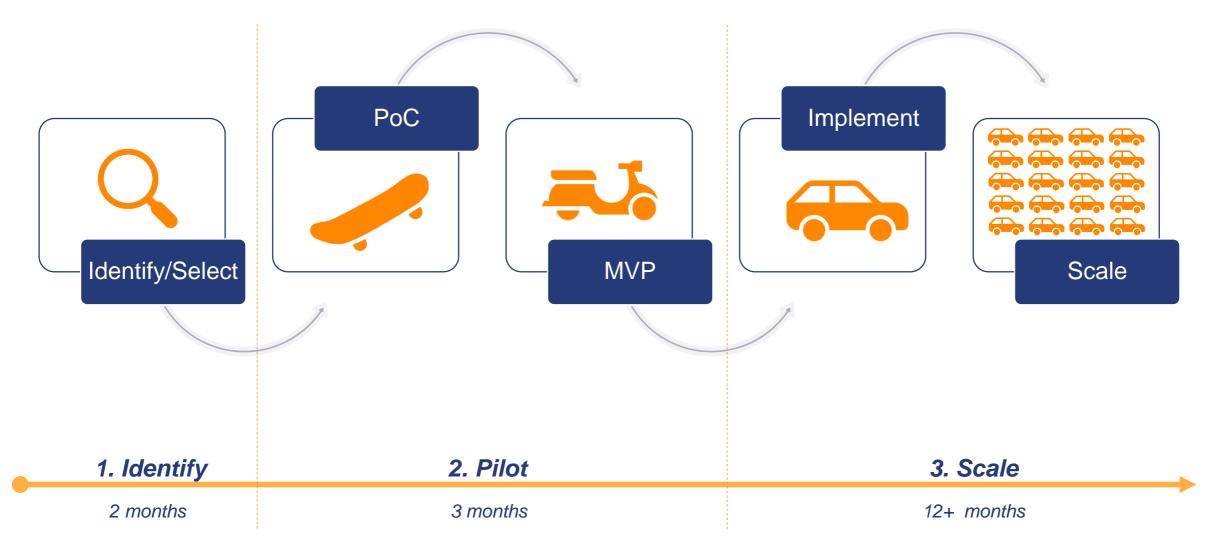
2. Focus on value





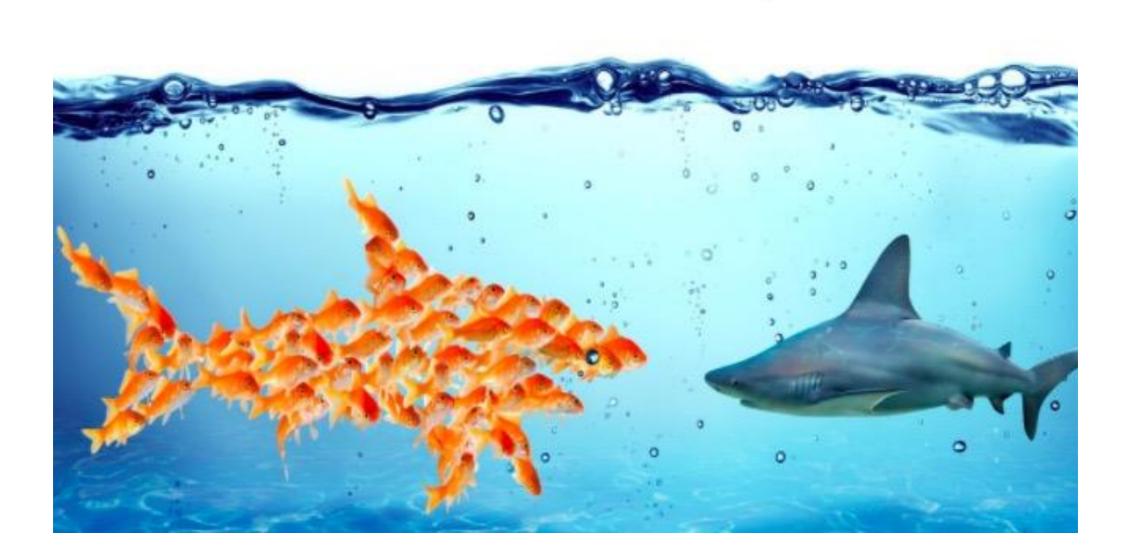
3. New way of working





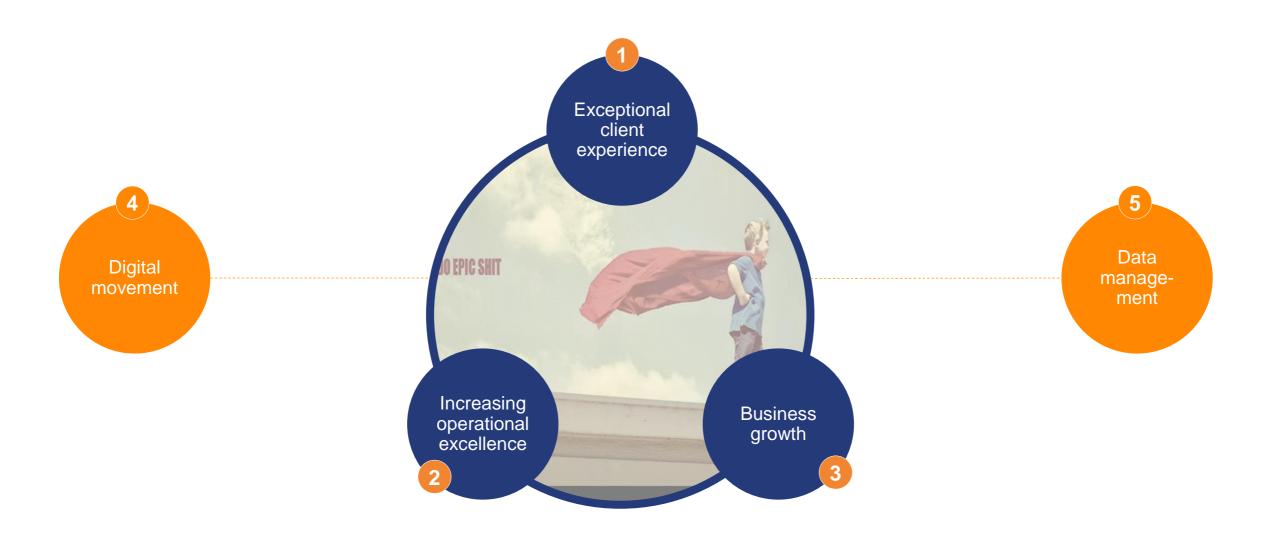
4. New business models...





Van Oord digitalisation framework

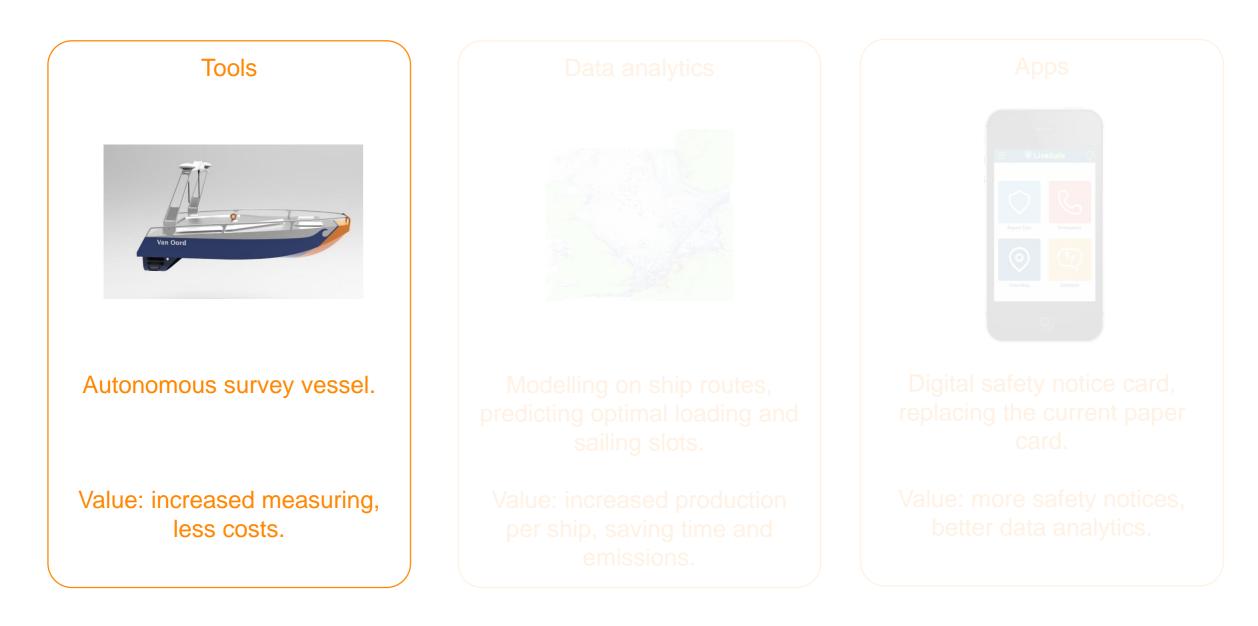




business

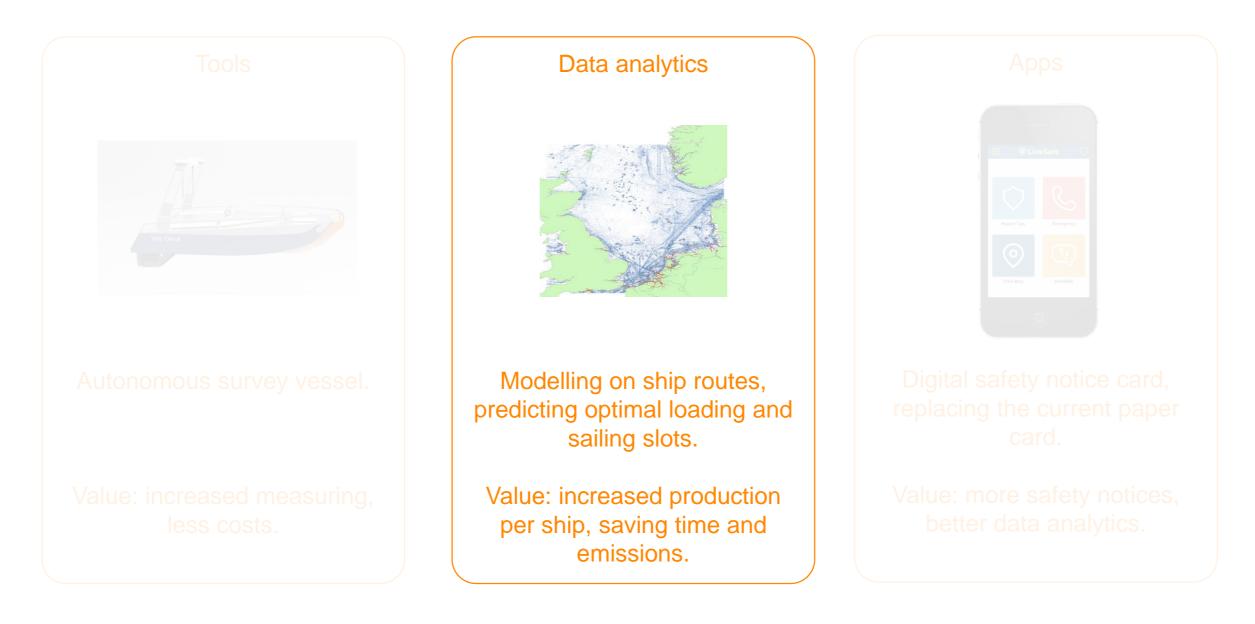
Our digital cases ...





Our digital cases ...





Our digital cases ...







THANK YOU...

Mare Straetmans

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