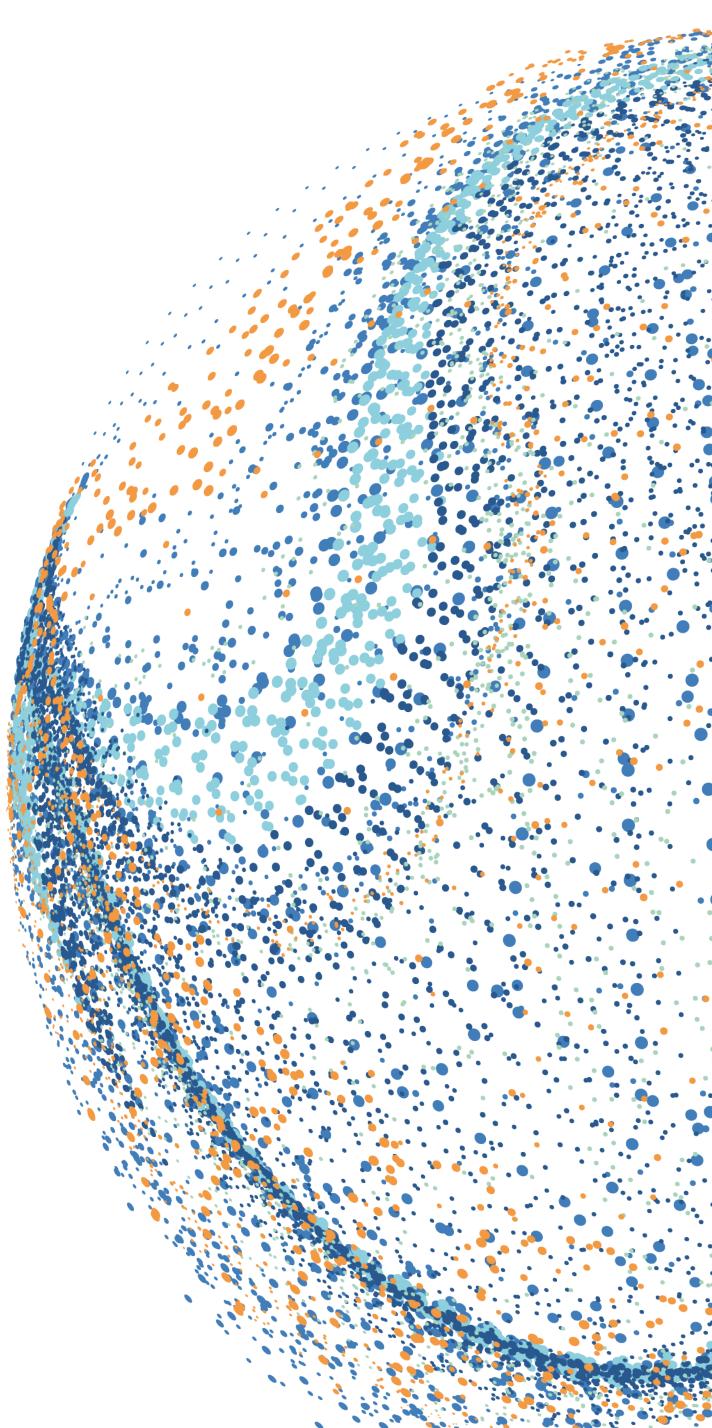


Achieving Digital Success Requires Sharing Knowledge and Experiences

Inge André Sandvik, Chief Digital Officer, Wilhelmsen.





Wilhelmsen in numbers

2.8

Billion USD in total revenue (2016)

1.3

Billion USD in market capitalisation. Listed on the Oslo Stock Exchange.

1861

50

Percent of global merchant fleet as customers

74

Countries we are present in and more than 2200 ports



210 000

Product deliveries to vessels

Established in Tønsberg, Norway by Morten Wilhelmsen

75 000

Port calls handled by our

Port Agents

21.000

Full time employees in controlled companies. 4600 land based fully owned. 9 200 seafarers.





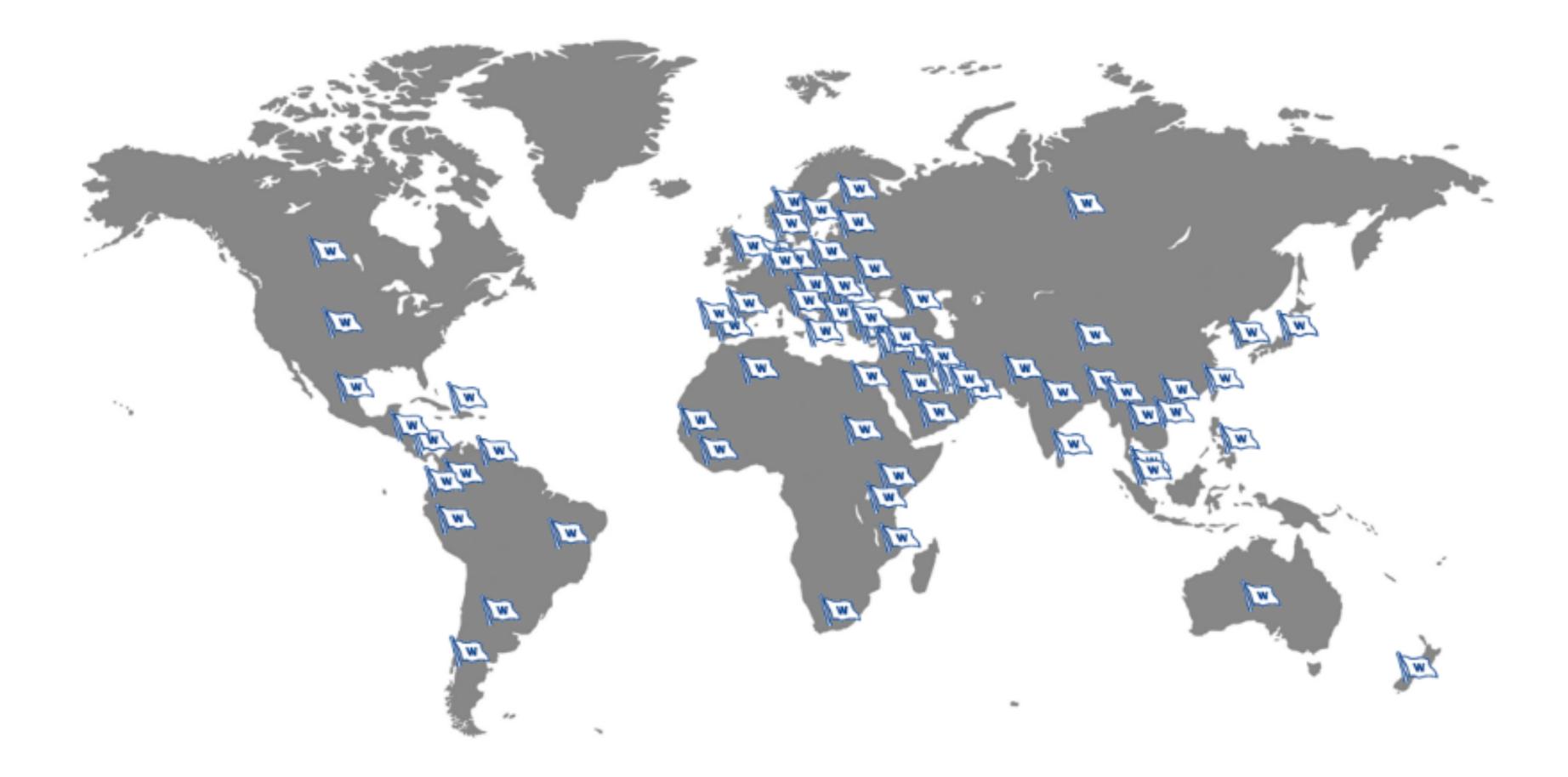
128

Vessels in partly owned companies

Headquarters in **Oslo Norway**



Our global network





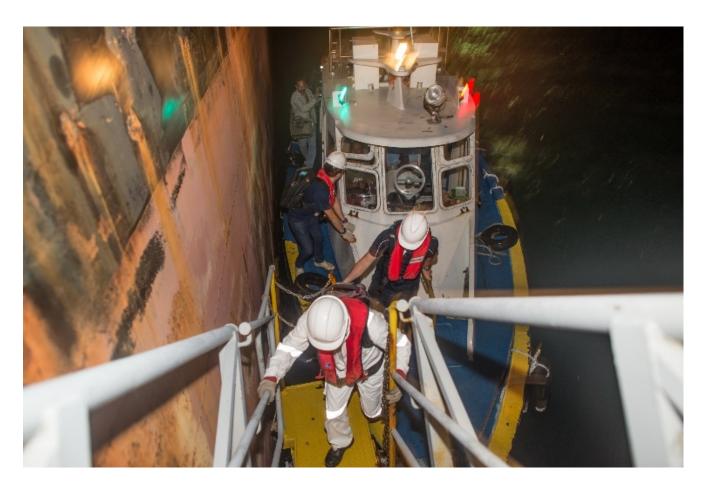
Largest maritime network in the world, representing over 2 200 locations globally



Uniquely positioned in the whole value chain of the maritime industry



Technical management



Ships agency



Crewing and training



Investments and innovation

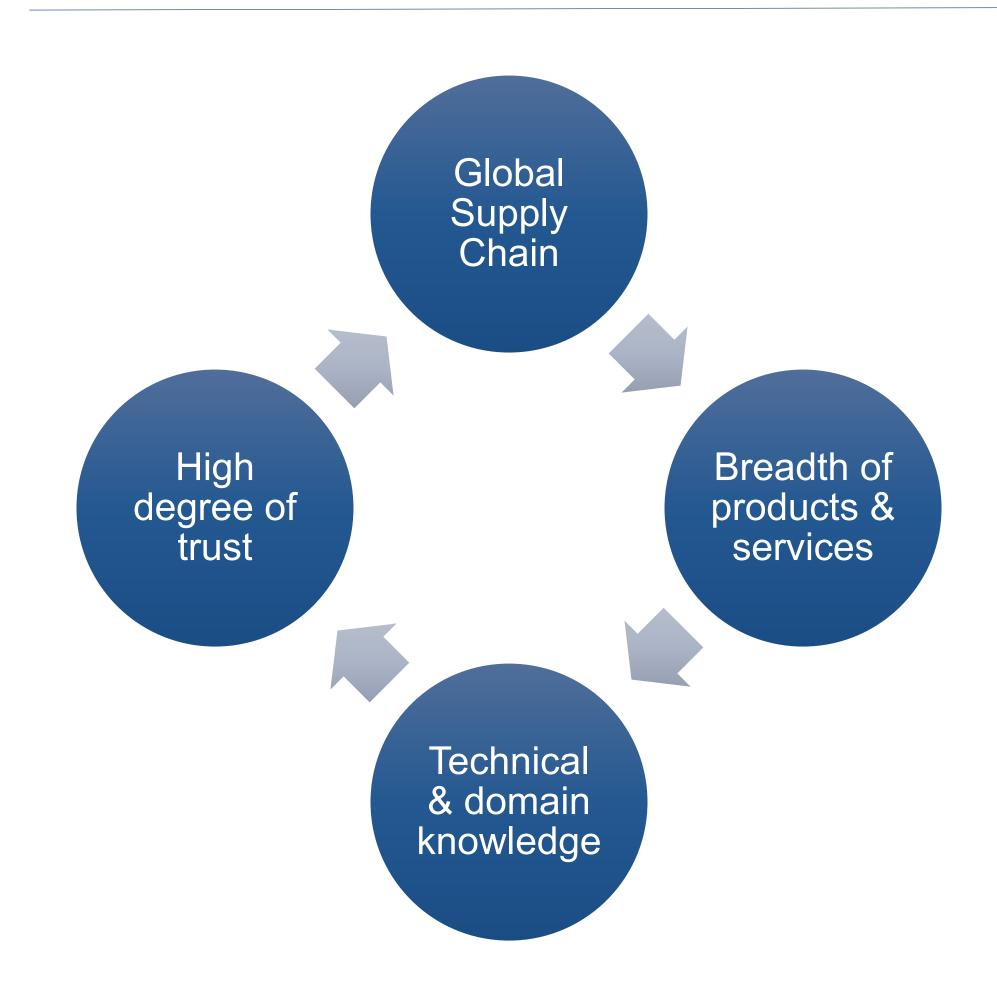


Marine products



Terminals and logistics

DIGITISATION IS CHANGING THE SHIPPING INDUSTRY We are going after the digital leadership in the maritime industry from a strong position



Wilhemsen is going after the digital leadership in the maritime industry from a strong position of having a global supply chain with a breadth of strong products, high domain knowledge and high degree of trust.

We have the worlds largest maritime network. We have a strong brand. We have one of the strongest customer bases in the shipping industry.

We have a strong history that have proven that we are able to transform the company and understand both the market and disruptive opportunities.

We are positioned with companies throughout the whole value chain and this gives us a unique position as data owners – the foundation for digitisation.





WHAT DOES DIGITAL TRANSFORMATION MEAN FOR US?

Move from

Acting as individual companies in a industrial group

Being too vendor driven. Move from buying and customizing off the shelf software without having customers and employees more actively involved.

Move from products to solutions.

Manual capturing and processing of data

Closed, hierarchical and monolithic organization

Slow moving. Move from large waterfall managed projects with low involvement from customers and business stake holders.

Το

Shape the maritime industry by leveraging the synergy effects of having unique access to aggregated customer and industry data generated from of being a maritime leader in the last two centennials.

Building new customer experiences and products ourselves together with our customers, partners and competitors.

Create a digital platform that enable us to build industrial IoT/Big Data solutions with high customer value and that protect our desired market position.

More use of automatic capturing and robotic processing of data

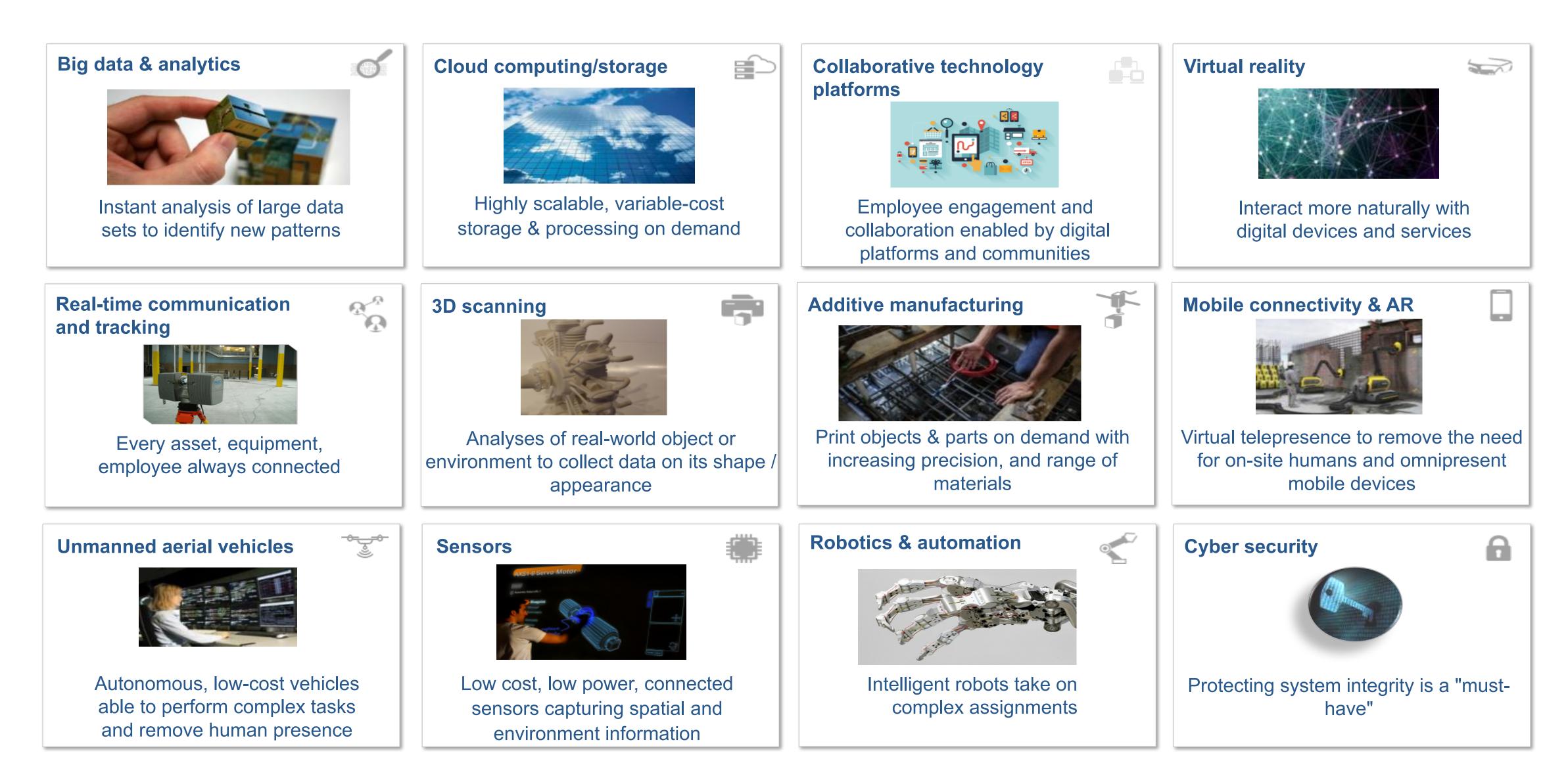
More open innovation with customers, partners, and vendors in innovation labs.

Develop strategic partnerships by actively using accelerators and incubators to innovate and extend our footprint.

Create a agile and design thinking culture. Empathy driven, human centered and rapid prototype methodology for new innovation. Create a strong product management competence. Organize ourselves in more effective smaller teams and cross-functional squads to amplify the strength and synergies of being a industry group.



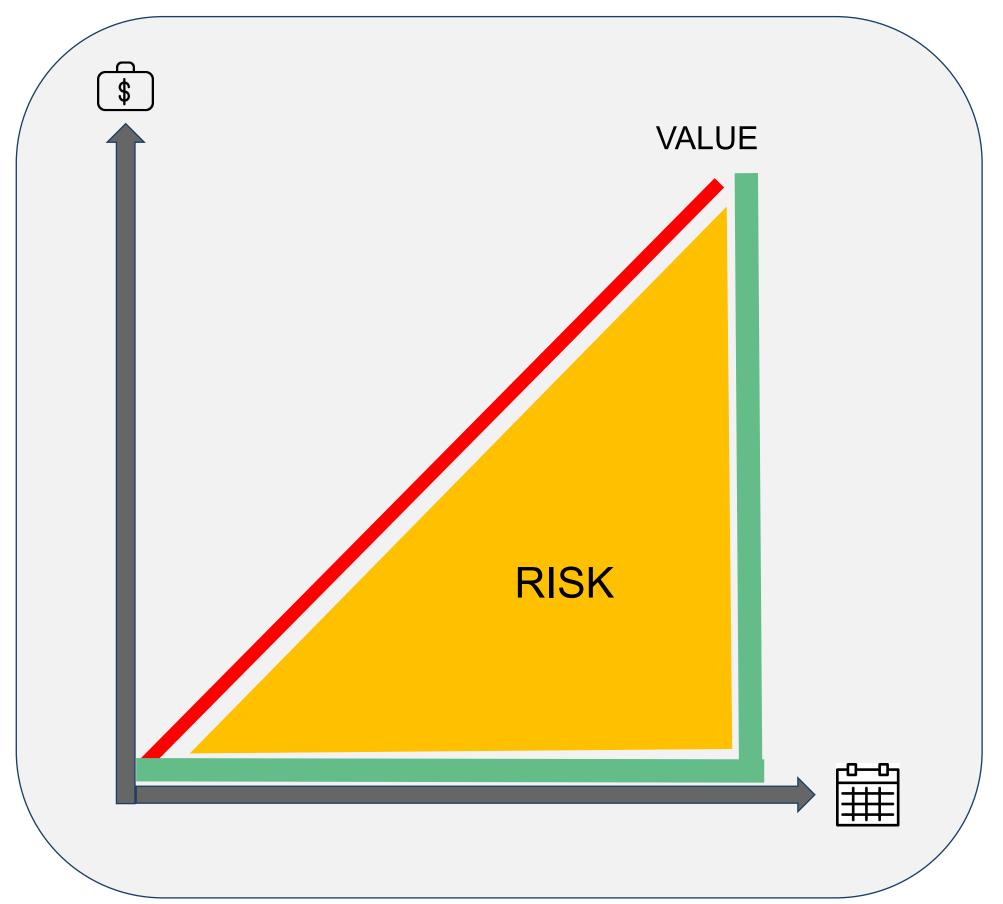
New digital technologies are re-shaping the world





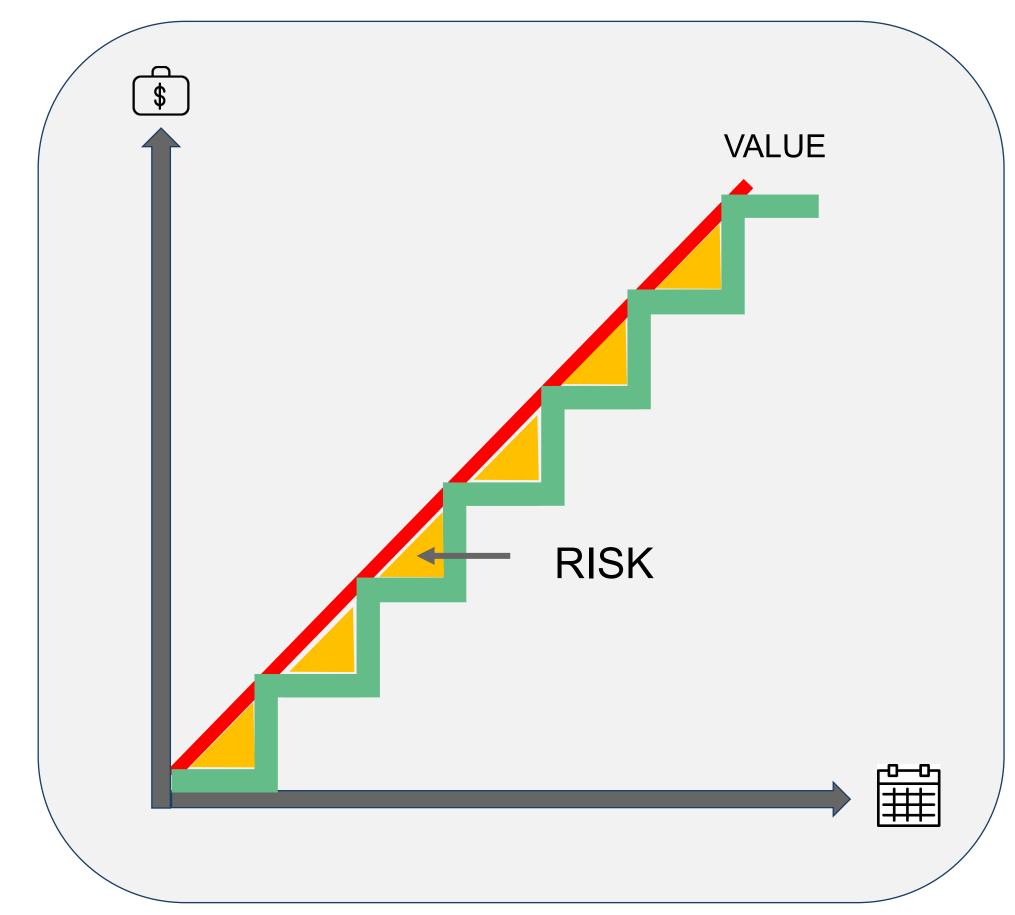
METHOD & PROCESS NEW AND AGILE WORK METHODS ARE RE-SHAPING THE WORLD

MOVE FROM



- MAKE PRODUCTS WITH NO/LOW CUSTOMER INVOLVEMENT
- IDEA TO PRODUCT: 1-2 YEARS
- **HIGH** INVESTMENT
- DECISIONS: LOW FREQUENCY

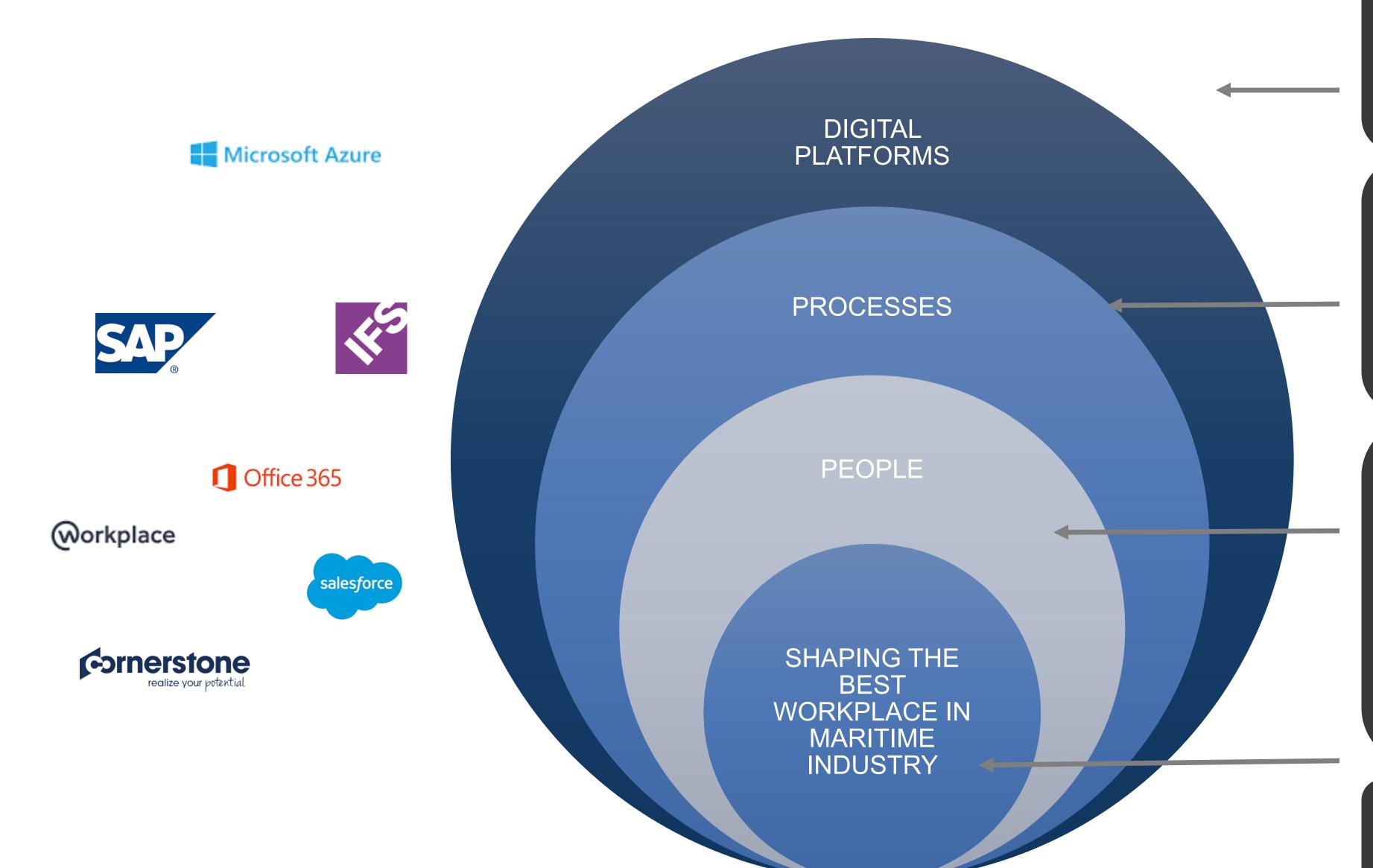
TO



- MAKE PRODUCTS WITH CUSTOMERS & PARTNERS
- IDEA TO PRODUCT: WEEKS
- LOW INITIAL INVESTMENTS
- LOW RISK
- DECISIONS: HIGH FREQUENCY



SHAPING THE BEST WORKPLACE IN MARITIME INDUSTRY



MISSION

- Choose digital platforms that gives us the best flexibility, openness and speed to execute efficiently on identified business ideas and changing market conditions.
- Constantly adopting and developing processes that are creating an agile and market driven organisation.
- Objective and Key Result (OKR) methodology to improve performance and employee motivation.
- Empower people to at any time improve or change workflows that people hate
- Everyone have access to a digital personal assistant and a personalized workplace on
- Choose communication and collaboration platforms that enable us to reach everyone everywhere and give everyone a voice.
- Foster an organization that constantly develop new and more effective ways to communicate .
- Attract & retain the best talent by giving them autonomy and end-to end responsibility.
- Develop people and challenge them to create agile, smart and innovative ways to disrupt ourselves.

 Become a thought leader in creating and developing the most admired and innovative workplace in the maritime industry

WILHELMSEN DIGITAL THINKING

50% of the workforce will be millennials in three years



TAL THINK WILHELMSEN D

Consumerization of IT

and the elevated role

of design



The need of a digital plattform that break the silos and creates an agile organization that is prepared for higher speed and more demanding customers. Architecture need to be based on cross industry open standards





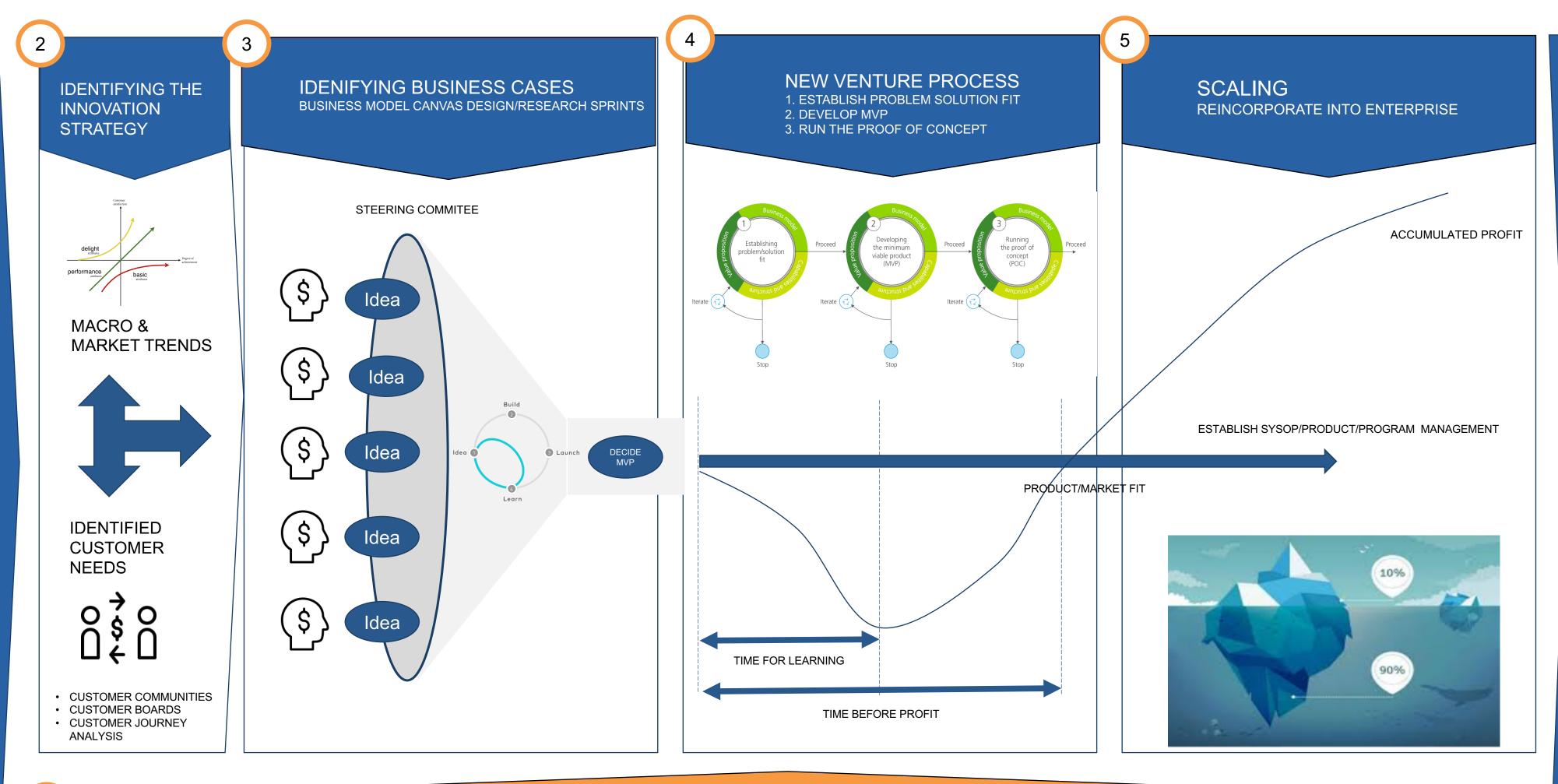
Technology platform

Shared application

Propritary Wilhelmsen application



METHOD & PROCESS WILHELMSEN INNOVATION PROCESS



THE GLOBAL MARKET

1

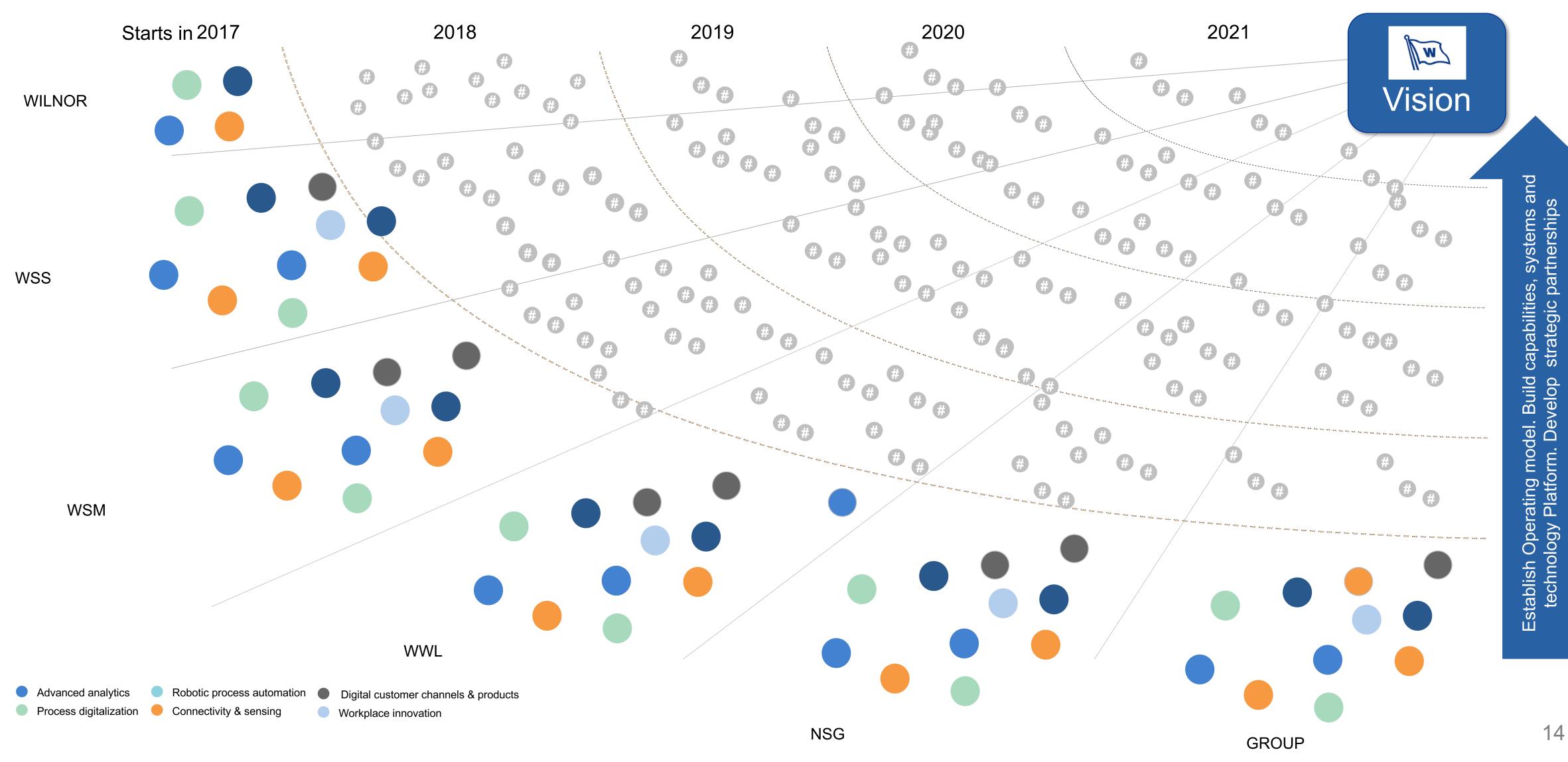
WILHELMSEN DIGITAL BUILDS A FUNDATION FOR INNOVATION & EXECUTION WITH CAPABILITES, PROCESSES & PLATFORM

GLOBAL MARKET THE



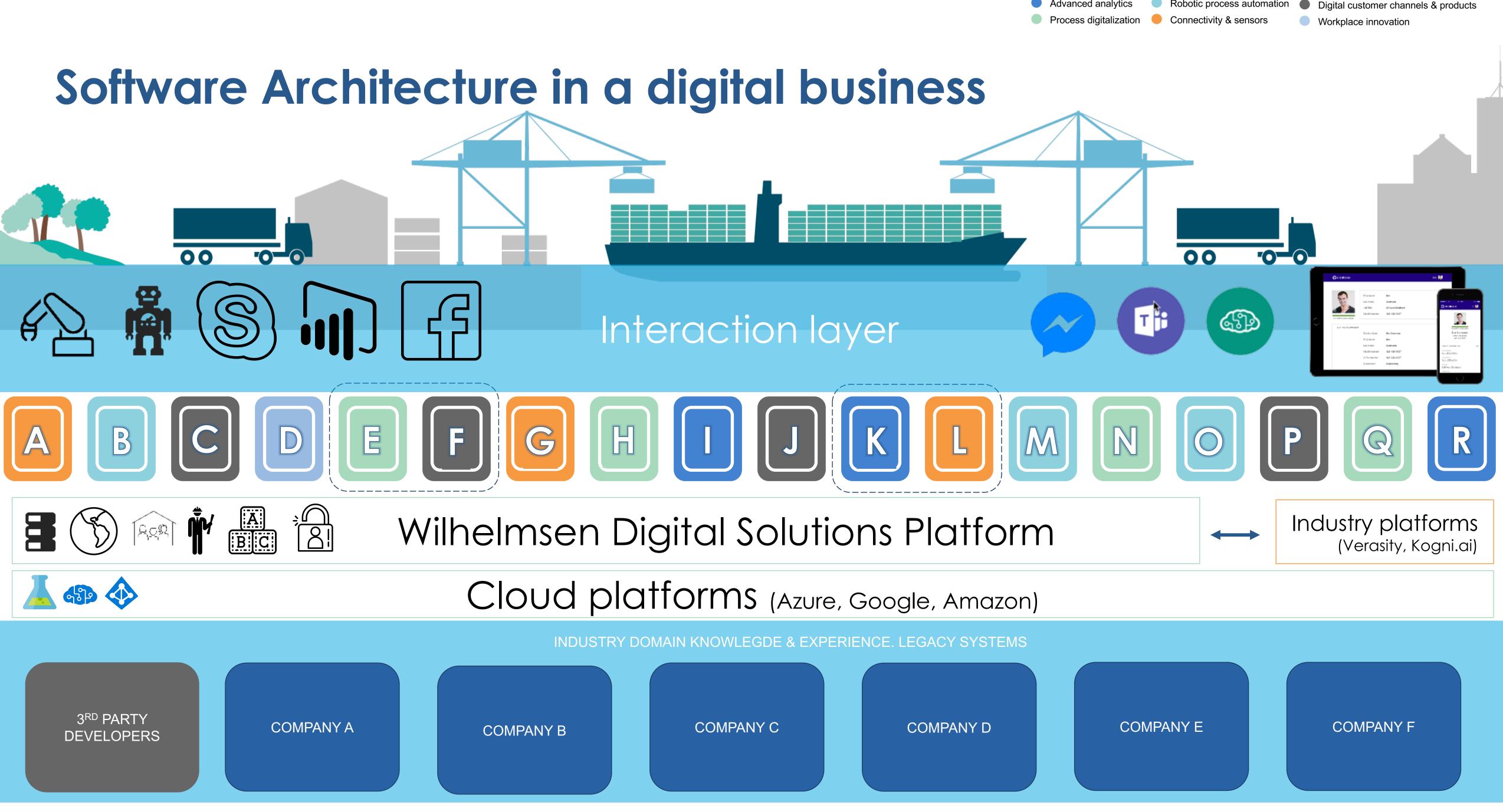
Digital Roadmap to reach the vision.

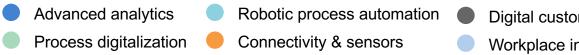
Prioritized projects and product development



Redefine how we serve our customers and position Wilhelmsen as the shaper of the maritime industry.







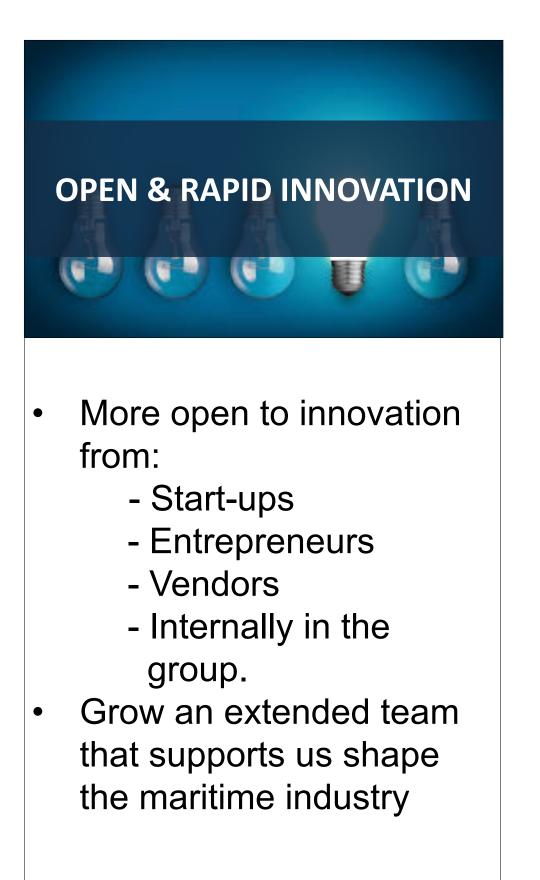
Wilhelmsen Smart Boilerwater

Maritime Innovation Lab

0

8 5000

METHOD AND PROCESS Maritime Innovation Lab is a key strategic tool to drive more innovation with higher speed and quicker ROI.





- Unique and effective • access to new talent and innovative companies.
- More effective recruitment from academia and R&D institutions.

•



- create new revenue and find new business areas.
- Challenge us to be more innovative within the group.



- Facilitate and grow • strategic partnerships with members of the Maritime Innovation Lab.
- Participate and invest in incubators and accelerators to grow deal flow for Wilhelmsen Venture Capital.



Accelerators/Incubators

Maritime Clusters









KONGSBERG

- Kognif.ai

- Veracity



Maritime Innovation Lab



Office space Industry experts - Access to marketplace - Investment



Cognite -

















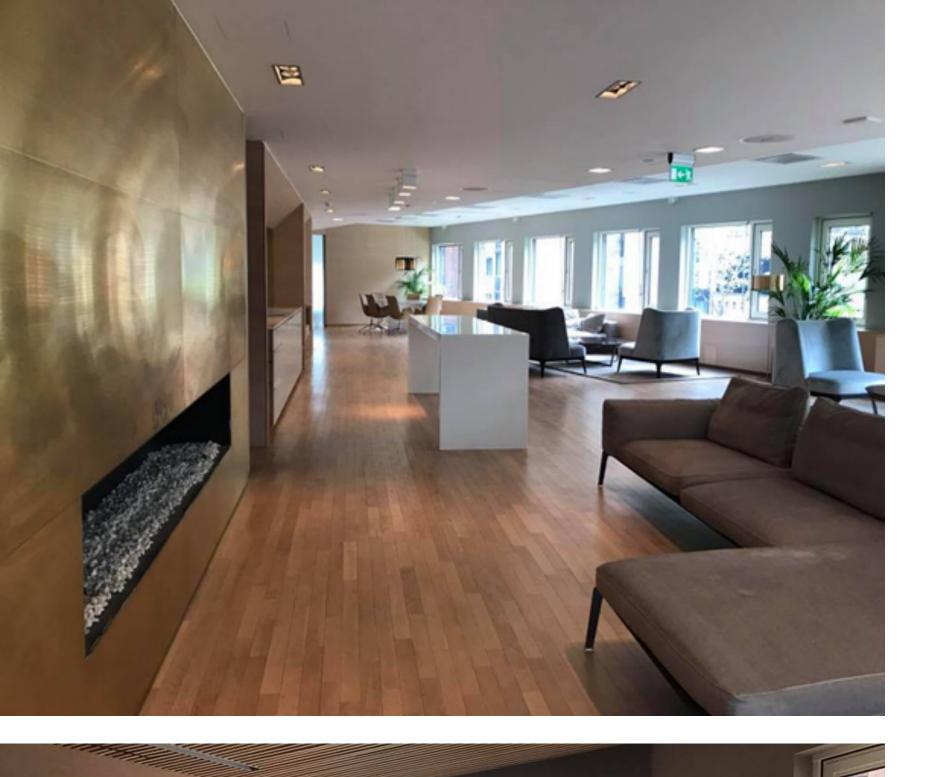


What is Wilhelmsen offering

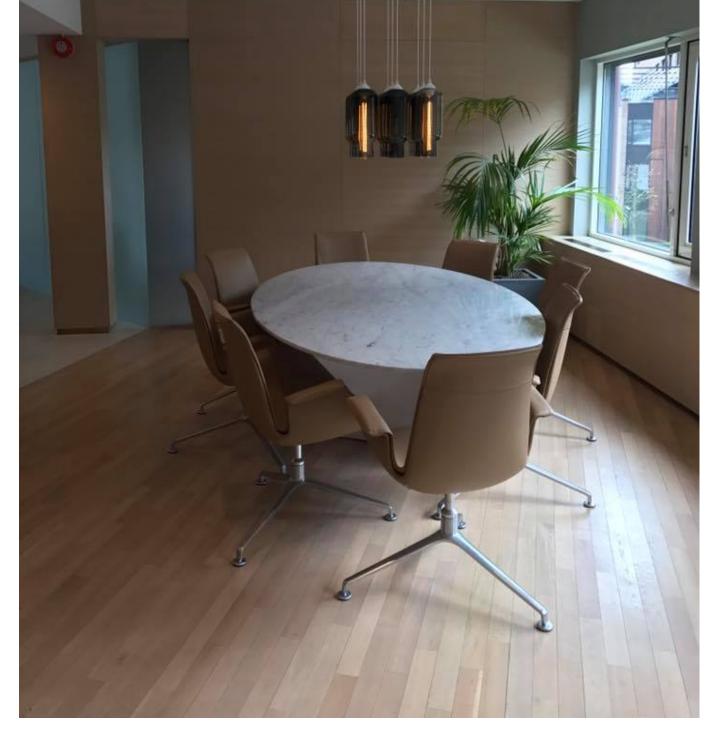
- Office space with access to Wilhelmsen HQ
- Direct access to key people and industry experts in the Wilhelmsen Group and partners
- Wilhelmsen serve 50% of the global maritime market. We can either be a customer or a go-to market partner
- Access to capital either directly from Wilhelmsen Venture or trough VC partners we work with



Access to a global maritime network











What will happen in the Lab?

- Hackathons ullet
- Demo days •
- Industry events
- Collaboration with academic institutions that are focusing on • innovation in the maritime industry.
 - NTNU, HSN, BI and other academic institutions
- Partner activities with other start-up and innovation labs

