Digital Platforms deliver Safety, Sustainability and Social Responsibility

Steen Lund, CEO, RightShip

RIGHTSHIP

Who is RightShip?

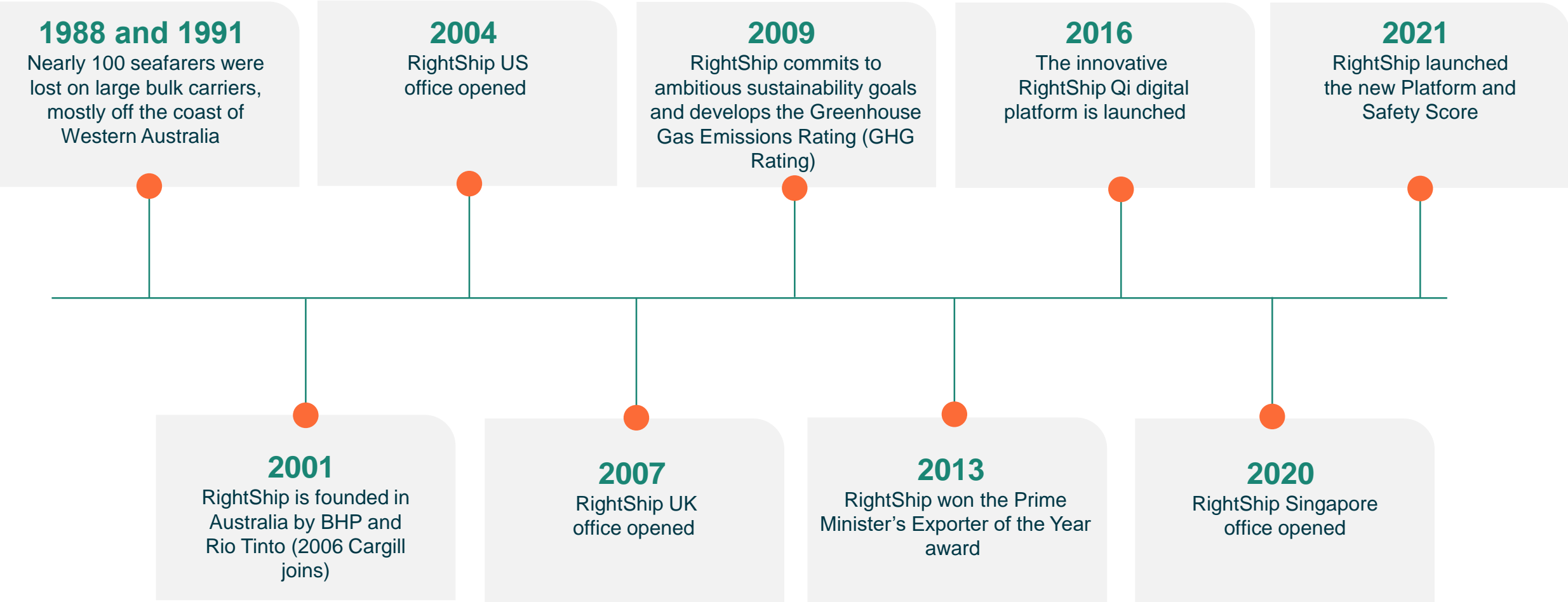Vision: A maritime industry that causes zero harm.

RightShip is the world's biggest third party maritime due diligence organisation, providing expertise in global safety, sustainability and social responsibility best practises through our technology platform.

We bring together industry expertise with the output from analytics and large data sets to provide our safety and environmental and ESG scoring systems, recommendations and consultancy services.

By partnering with RightShip, clients are supported in making decisions in an environment that is in a constant state of flux, protecting their business from risk.

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Environment Sustainability

Social Responsibility

Safety

The history of a 20 years old startup

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1988 and 1991
Nearly 100 seafarers were lost on large bulk carriers, mostly off the coast of Western Australia

2004
RightShip US office opened

2009
RightShip commits to ambitious sustainability goals and develops the Greenhouse Gas Emissions Rating (GHG Rating)

2016
The innovative RightShip Qi digital platform is launched

2021
RightShip launched the new Platform and Safety Score

2001
RightShip is founded in Australia by BHP and Rio Tinto (2006 Cargill joins)

2007
RightShip UK office opened

2013
RightShip won the Prime Minister's Exporter of the Year award

2020
RightShip Singapore office opened

RightShip's digital platform-based products

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Safety products

The risks that all vessels face during the course of operations can ultimately be managed, evaluated and improved beyond the compliance baseline. Through the use of our safety solutions, users are able to set new benchmarks in safety.

Sustainability products

We're steering the maritime industry towards a sustainable future. When you use our sustainability solutions, you're protecting our natural environment, developing a competitive advantage and improving your bottom line.

Safety Score	Vessel Vetting	Vessel Inspections

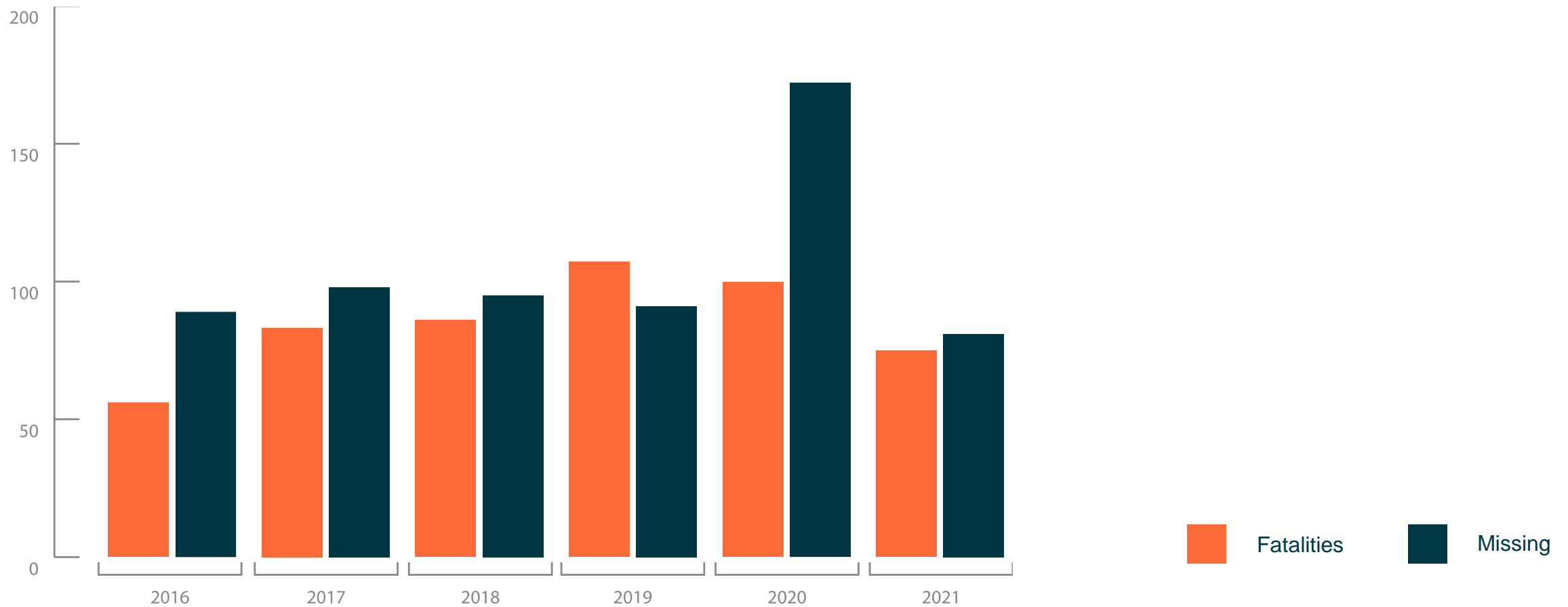| GHG rating	Carbon Accounting	Maritime Emissions Portal

57,000 vessels - 40,000 vets - 2,500 inspections - 3.8M views - 30,000 GHG ratings

Fatality and missing persons data remains unacceptably high

Number of seafarers lost during the course of maritime operations

2016 - 2021

Legend: Fatalities (orange), Missing (dark)

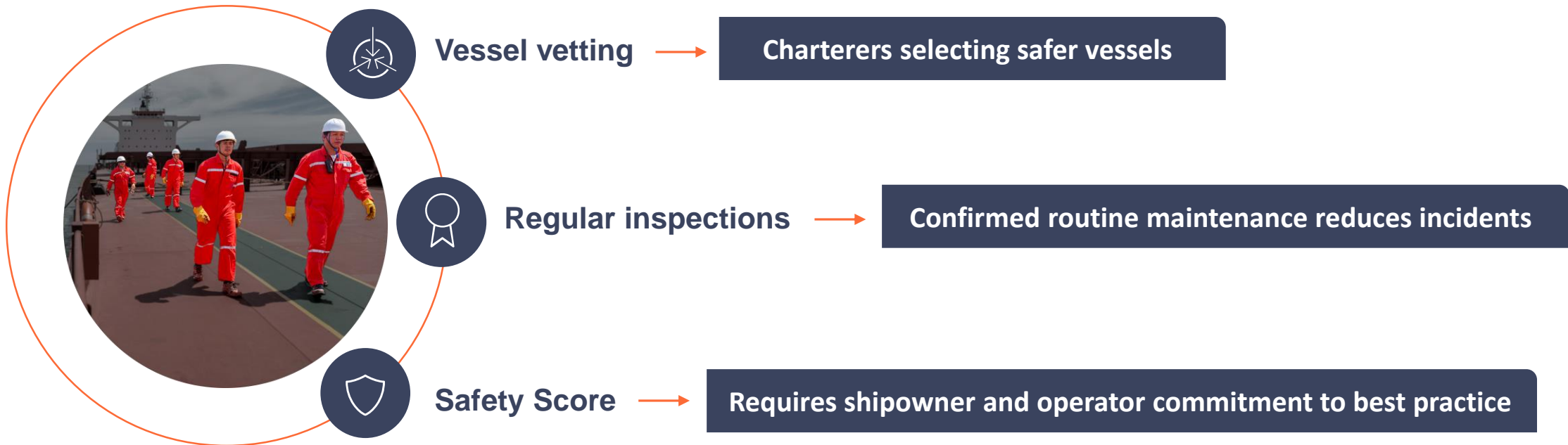# Technology for safe crew change requires attention

- Government restrictions in various regions continue to create safe crew change problems

- Crew contract extensions impacting fatigue, mental health, and consistent SMS adherence, set the environment for more near misses and incidents

- An open sea transfer operation that occurred recently led to a fatality as foreign crews were not permitted to change at the discharge port. This is an avoidable scenario

- Technology can play a role in mitigating risk: ship to shore crew health data is essential

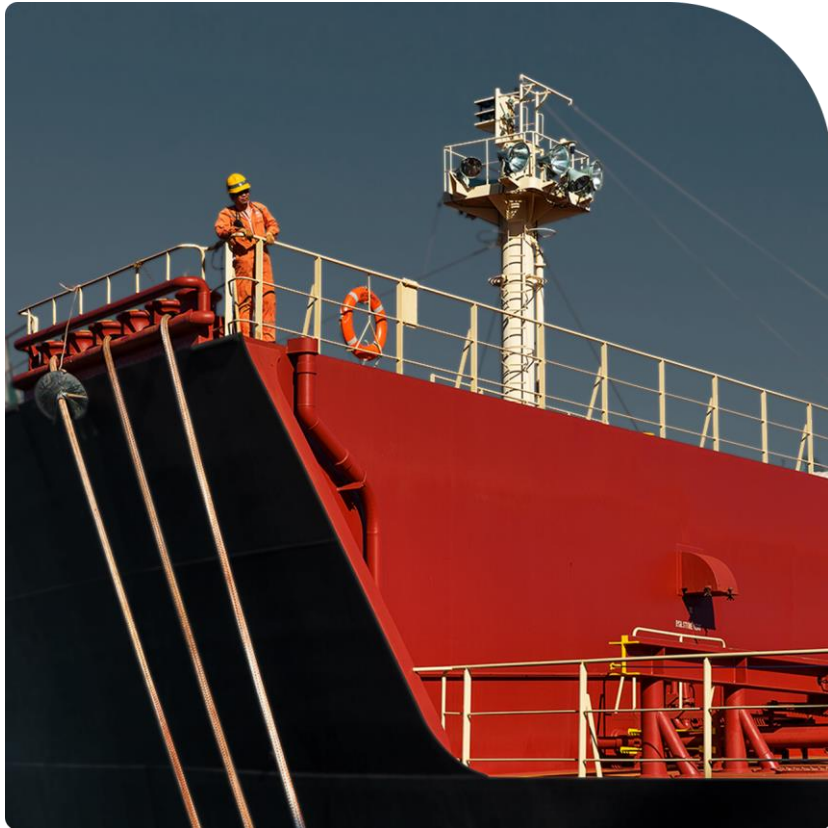# How do technology and human workforces intersect?

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At RightShip, we see a direct correlation between our technology and the safety impact:

Vessel vetting → Charterers selecting safer vessels

Regular inspections → Confirmed routine maintenance reduces incidents

Safety Score → Requires shipowner and operator commitment to best practice

Technology for crew welfare evolves

Crew Welfare is an industry priority, with the development of a crew wellbeing score taking place

- Research into the treatment of seafarers

- Together with the Sustainable Shipping Initiative and its partners co-creating appropriate Code of Conduct and welfare tools

- Ongoing work with customers and industry partners – industry commitment

- Launch of self-assessment on the RightShip Platform validating crew welfare

Industry collaboration + DryBMS

DryBMS provides a self-assessment across the four most serious risk areas faced in vessel operations:

Performance

People

Plant

Process

What DryBMS success looks like at a glance:

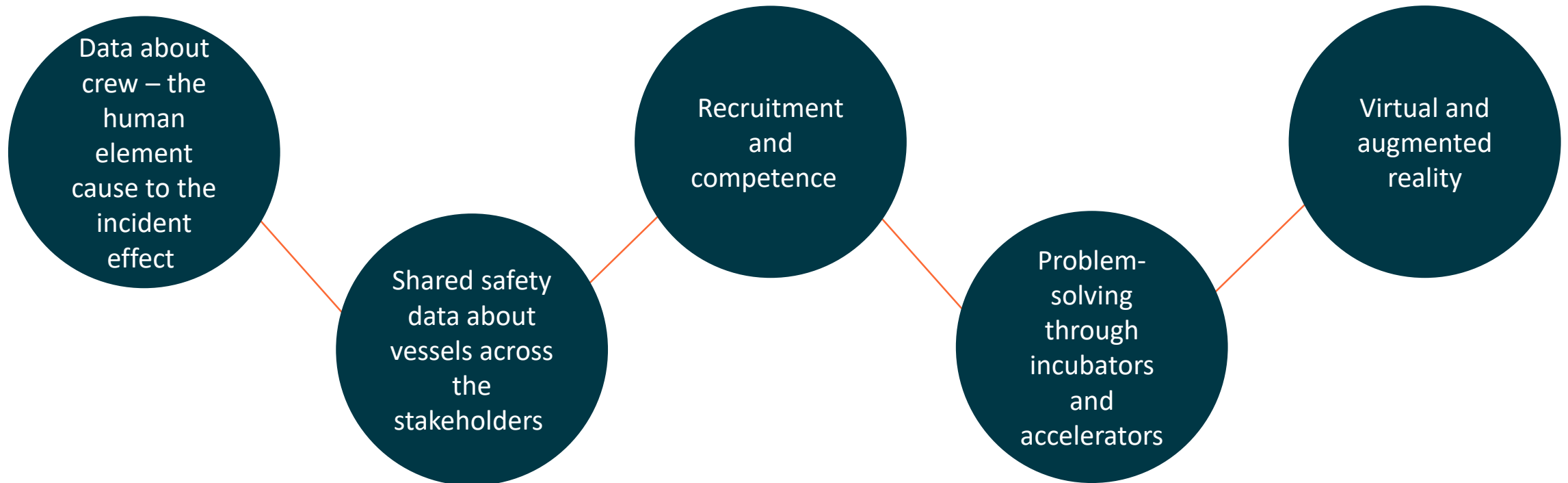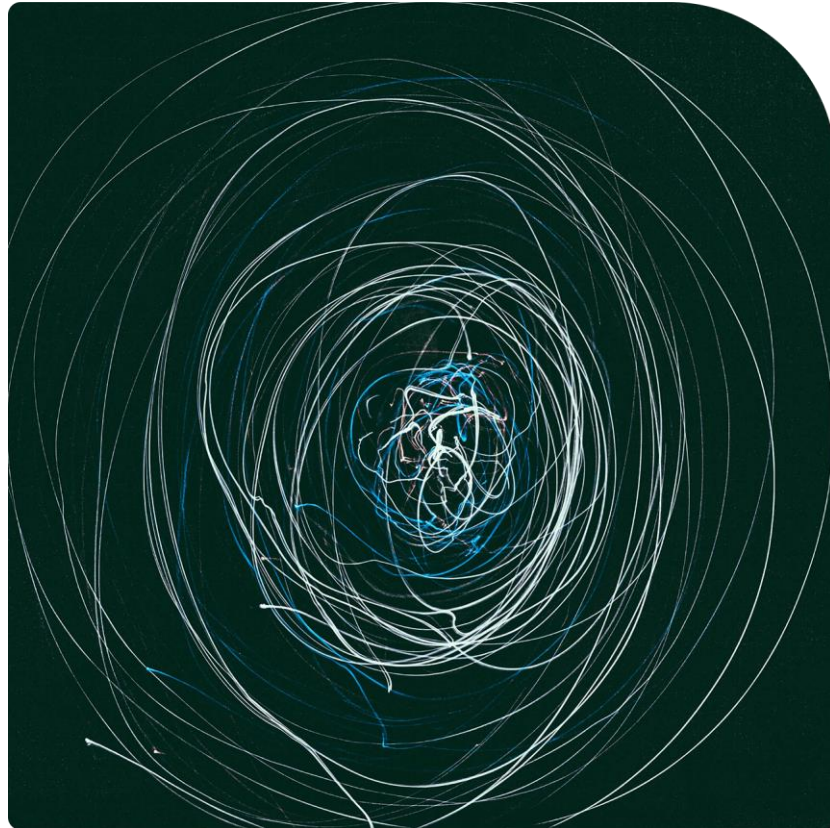| Basic, Intermediate, Advanced, Excellence | Collaborative working group | More than 500 companies providing feedback | 1,400 LinkedIn community members | More than 13,000 draft standard downloads |

Opportunities

Key areas in which RightShip sees opportunities to improve technology and innovation include:

Data about crew – the human element cause to the incident effect

Shared safety data about vessels across the stakeholders

Recruitment and competence

Problem-solving through incubators and accelerators

Virtual and augmented reality

Data orchestration of partnerships towards shared outcomes
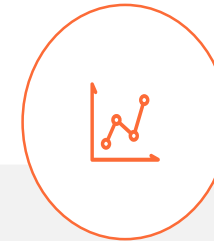
AI and Machine Learning

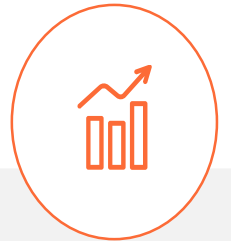**The key areas of opportunity to leverage AI and Machine Learning:**

Data quality:
Leverage AI to strengthen the level of timely quality of data used in reviewing performance

Data customer outcomes:
Improve comprehensiveness of assessments and timing of customer outcomes via technology

Data interpretation:
Use machine learning concepts and rules to interpret correlations and reduce areas of risk

Optimise expertise:
Increase efficiency for marine experts to better apply their knowledge and experience

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Thank you

rightship.com   info@rightship.com   🐦 **@RightShip_**   in **RightShip**