



RIGHTSHIP

We are an ESG focused  
maritime digital platform

# Innovative digital solutions supporting green corridors

5th Hemispheric Conference on Logistics, Innovation and  
Competitiveness: Port-Maritime Digitalization as a key for Global  
Trade



# Today's presentation

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**Anthony Teo**  
Head of Americas  
RightShip

- **Ports and terminals significance and challenges**
- **Data and digitalisation opportunities**
- **Transparency, innovation and action through digital solutions**



# Who is RightShip?

RightShip is the world's leading ESG focused digital maritime platform, providing expertise in global safety, sustainability and social responsibility best practises.

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

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

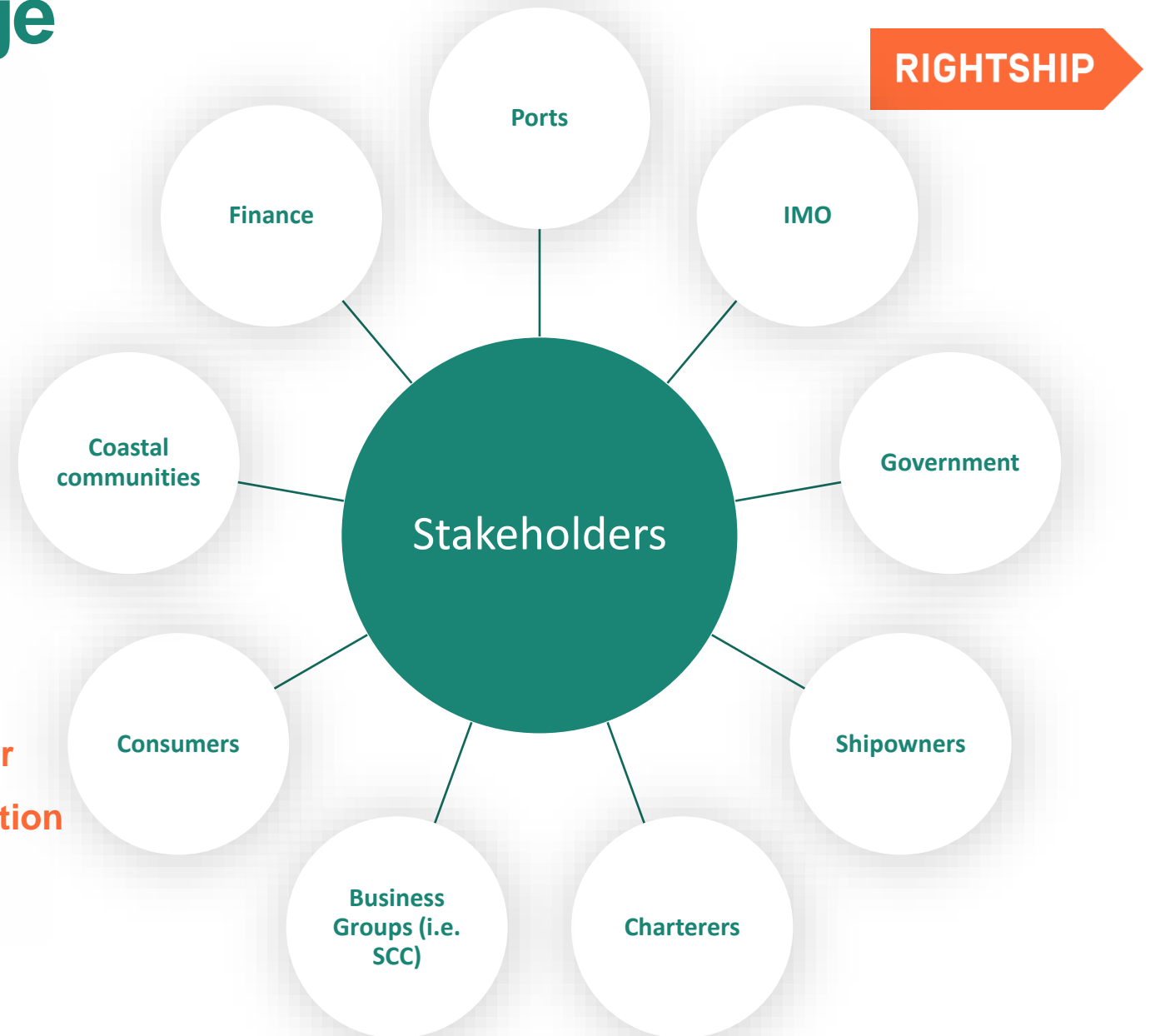
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RightShip has  
**more than 220 colleagues**  
in Australia, UK, US, Singapore, China and Japan.

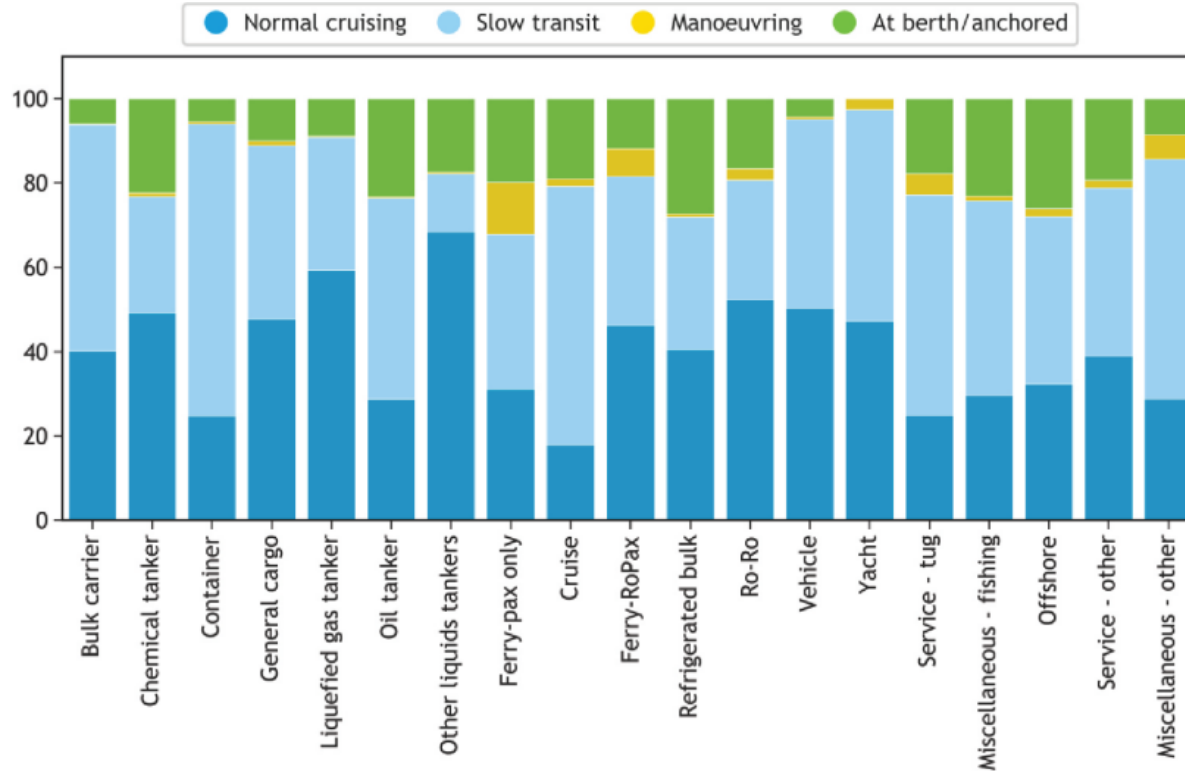
# The maritime challenge

- ~90% global trade movements
- Increase in absolute emissions despite carbon intensity improvements
- Complex stakeholder landscape
- Myriad drivers
- Better use of Data- Opportunity for greater transparency, innovation and decarbonisation



# Green corridors – Ports & terminals context

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- Increased regulatory and stakeholder pressure
- Lack of accurate ship specific emission data in port areas
- Desire for more transparency in measuring and managing port GHG emissions and air quality.

# Port regulations and incentives

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TABLE 14: DISCOUNT ON PORT DUES FOR SHIPS CALLING AT PORT OF PRINCE RUPERT BASED ON EACH INCENTIVE SCHEME AND EEDI

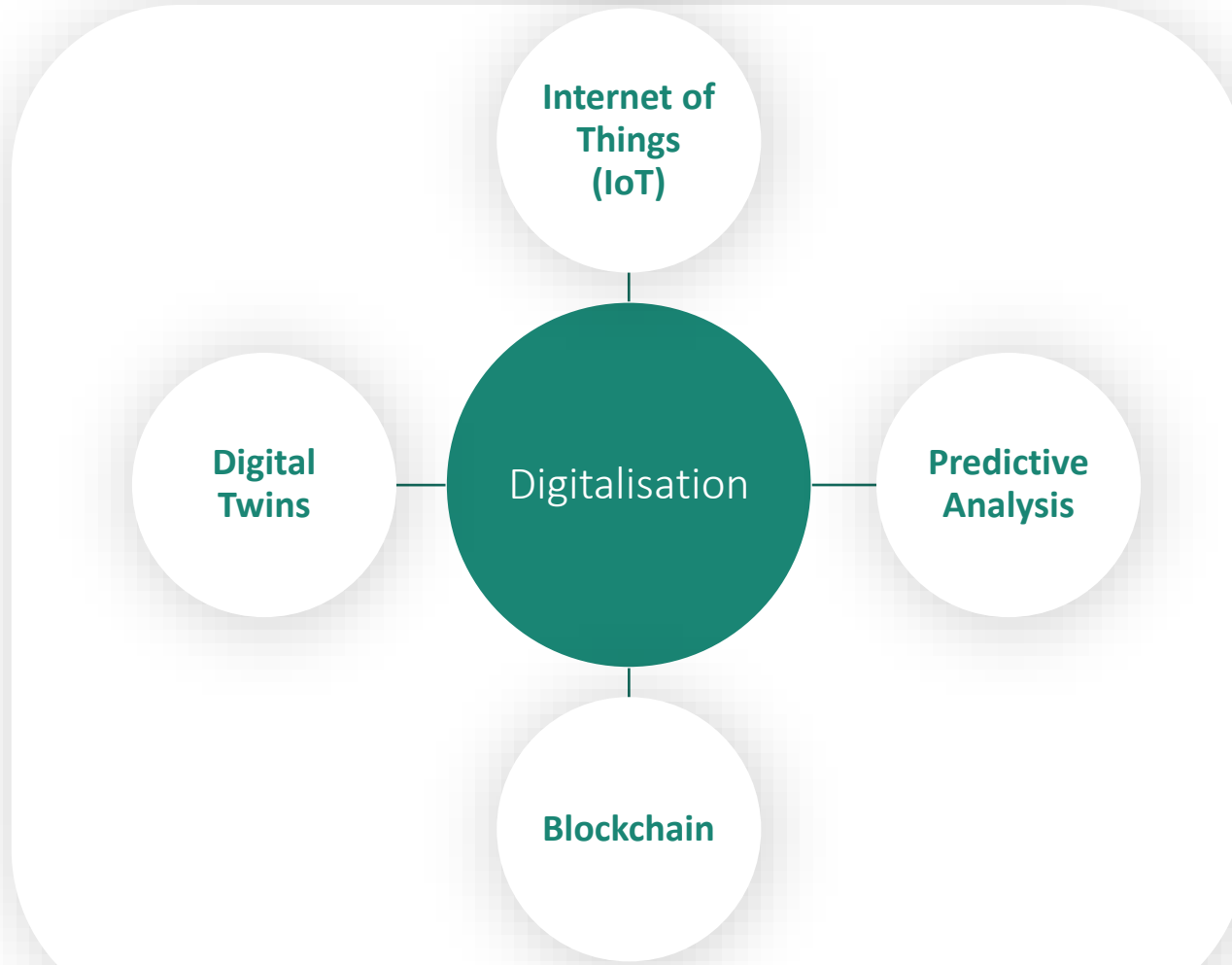
INITIATIVE	CRITERIA FOR SHIPS TO QUALIFY FOR DIFFERENT TIERS		
	TIER 1 (10% discount on port dues)	TIER 2 (20% discount)	TIER 3 (50% discount)
RightShip GHG Emissions Rating and Qi Rating	Environmental 4+ stars & GHG D; or GHG C & Environmental 3+ stars; or GHG B	GHG B and Environmental 3+ stars	GHG A
ESI	20 ≤ Score ≤ 30	30 < Score ≤ 50	Score > 50
Green Award	Award certificate		
CSI	Score of 3	Score of 4	Score of 5
Green Marine	Level 3 GHG & min. Level 2 overall	Level 4 GHG & min. Level 2 overall	Level 5 GHG & min. Level 2 overall
Energy Efficiency Design Index (EEDI)	Attained EEDI 15% better than Required EEDI	Attained EEDI 25% better than Required EEDI	

- Varied regulations
- 60+ incentives schemes
- Opportunity:
  - scheme harmonisation
  - alternative fuel energy hubs

<https://assets.nrdc.org/sites/default/files/incentive-schemes-promoting-green-shipping-ip.pdf>, accessed 6<sup>th</sup> October 2022

# The data opportunity

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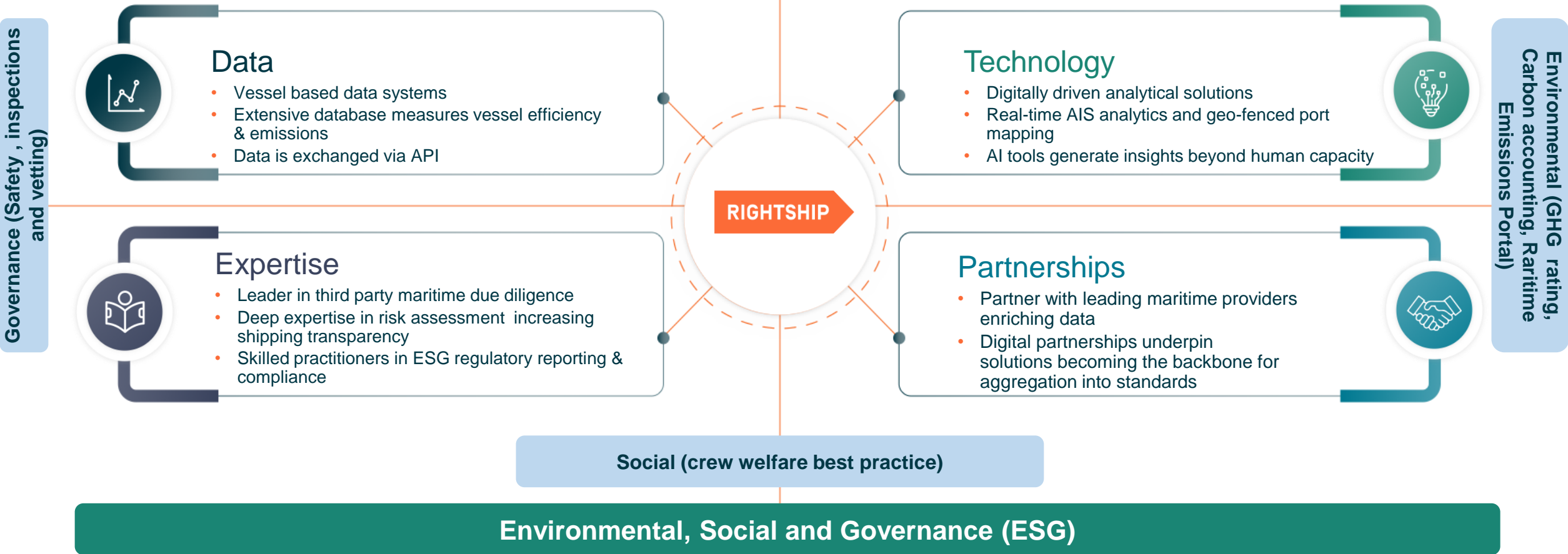
- Green Corridors & The Clydebank Declaration
- Oceans of data – collaboration and sharing
- Plan, Do, Check, Act

*The real prize is not just data but digitalisation*

# Maritime digital platforms

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We are an ESG focused maritime digital platform





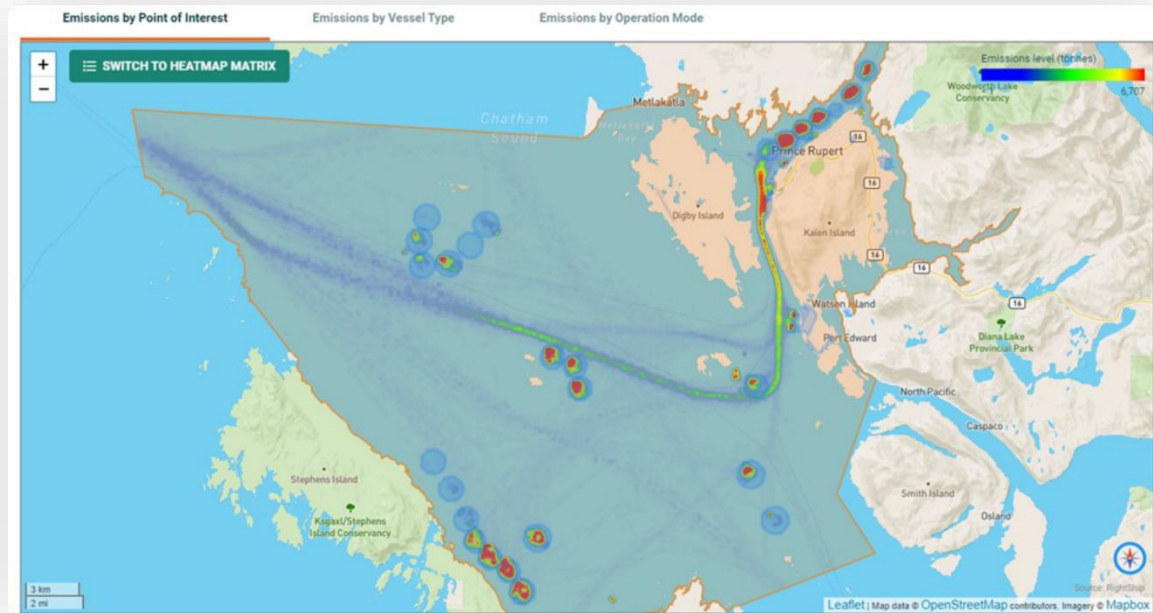
# Case study – Prince Rupert

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AIS Geo-Fencing

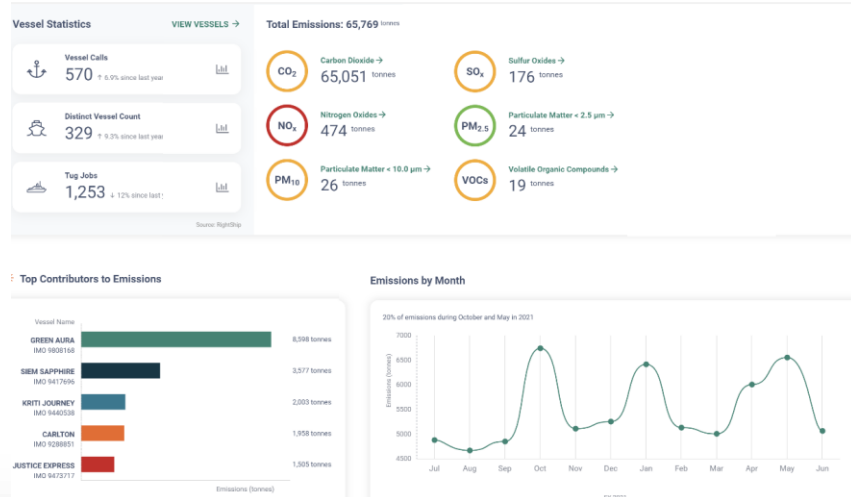
- Visual representations using heatmap and zoning technology
- Build on, or establish ESG actions
- Robust and reliable data



Data transparency into emissions hotspots

# Case study – Prince Rupert

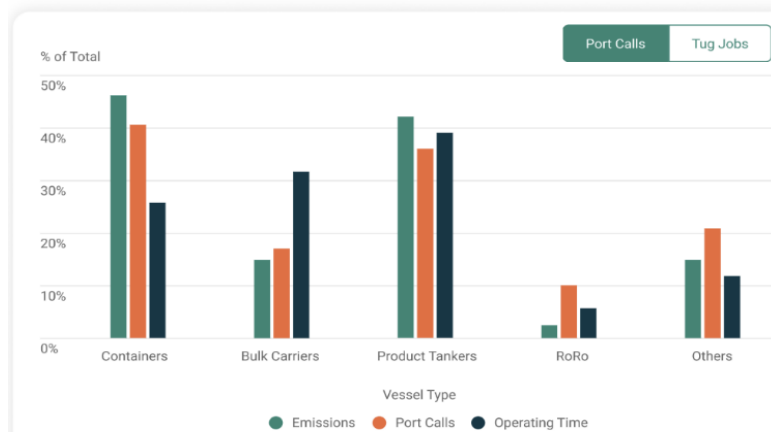
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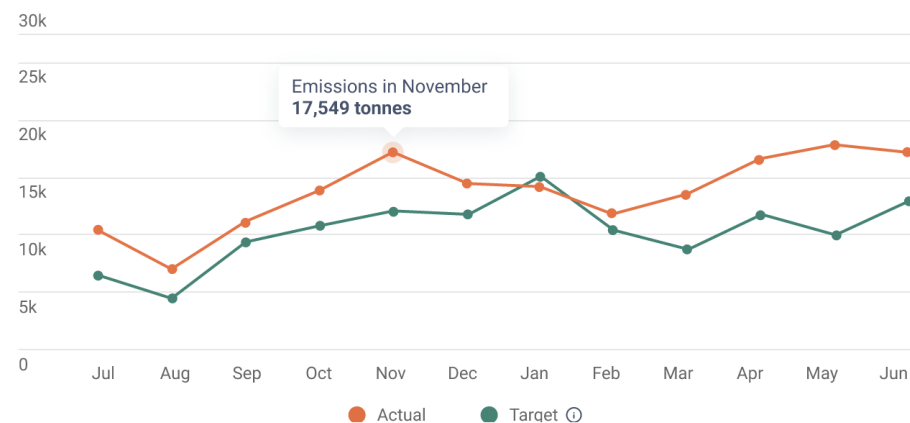
## Emissions by Operation Mode



## Correlation of Emission Volume with Port Activity and Operating Time



## Emissions by Month



# Case study – Prince Rupert Port, Canada

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*Digitalisation for maritime decarbonization*

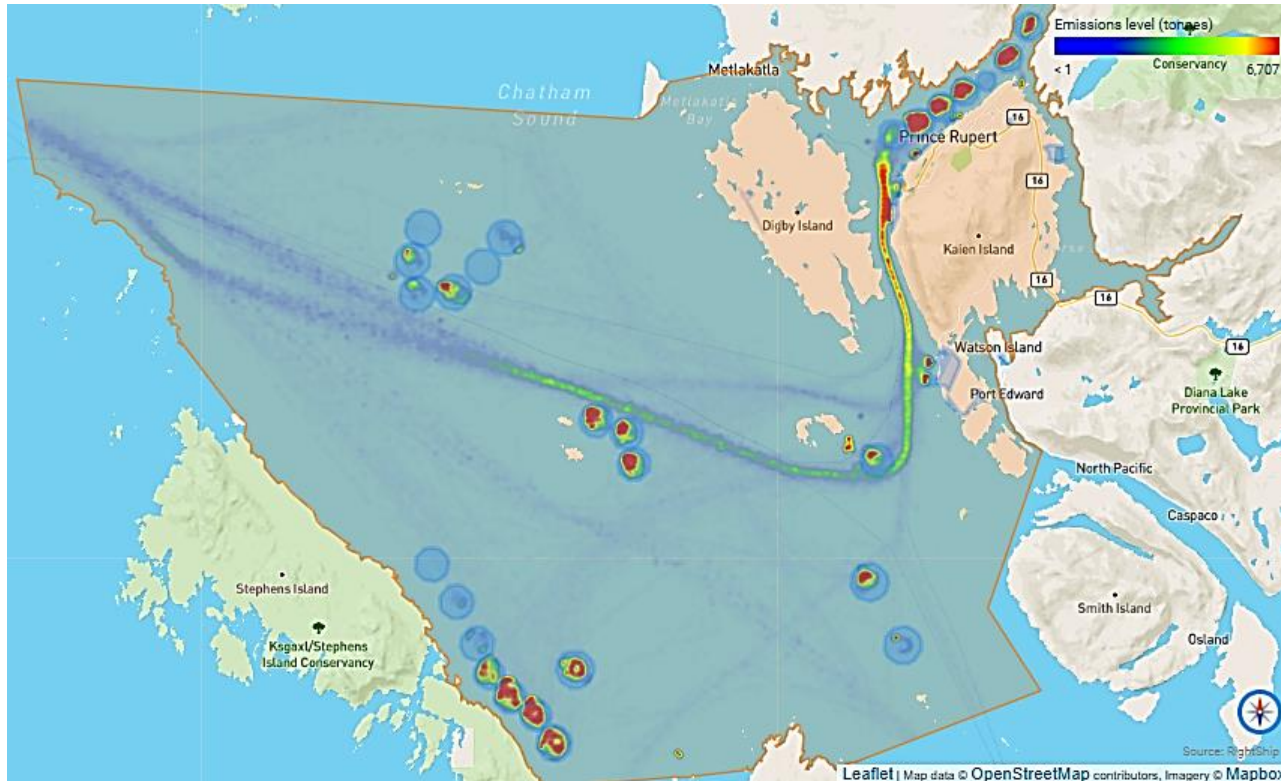
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- ‘Greenwave’ → ~ 3,190 tonnes of GHG emissions avoided in 2021

- Data & Smart digital platform:

- ✓ reduce air emissions,
- ✓ reduce environmental impact,
- ✓ improve efficiency
- ✓ strategic planning
- ✓ onshore power



Source: RightShip, Maritime Emissions Portal

# Digital solutions supporting green corridors

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**Robust & flexible  
data that can be  
trusted**



**Complex data into  
user friendly  
platforms**



**Identify and act  
upon hotspots**



**Addresses  
stakeholder  
environmental  
concerns**



**Support emissions  
reduction strategy**



**Attract sustainable  
financing to the right  
areas**

# Anthony Teo

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