

ZERO Downstream Emissions

FULLY EV

25 TONNE

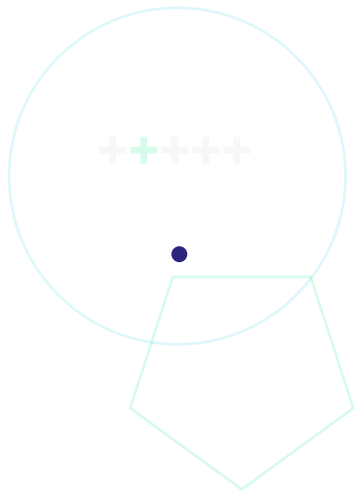


with our first electric vessels.

Charting a Green Course

Yinson GreenTech's Vision for Zero Emission Ports

24th October 2024



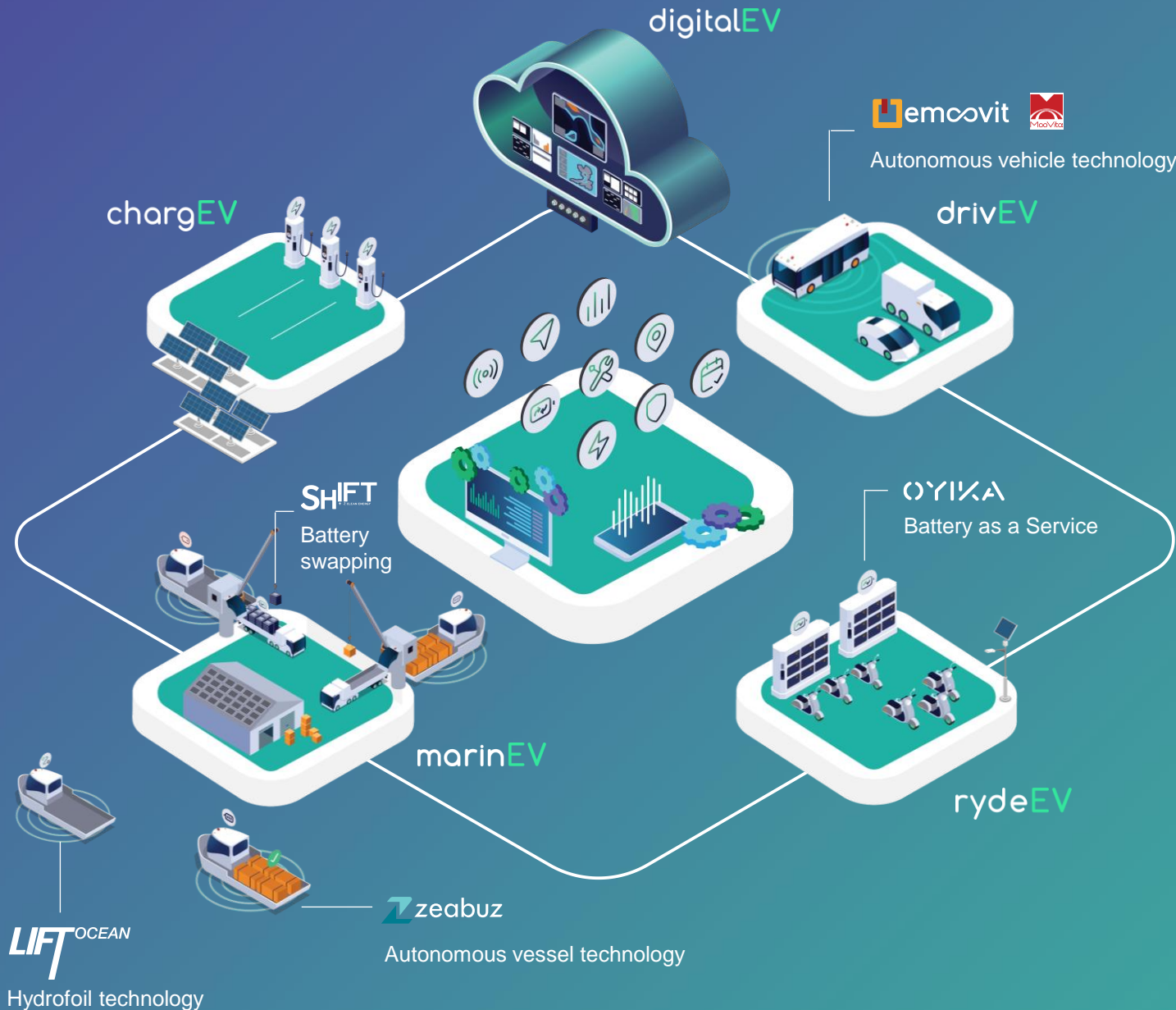
We aim to build profitable businesses by investments in green technologies to accelerate the transition to a net zero world.



Positively charged

OUR BRAND PROMISE





ZERO Emissions End to End logistics

Our integrated ecosystem opens new opportunities for businesses to increase efficiency and have cleaner operations.



marinEV

A Yinson GreenTech Business

MARINE ELECTRIFICATION



*Positively
charged*

Maritime Decarbonization requires immediate action



2023 IMO GHG Strategy, MEPC 80/17

2030

20% reductions in GHG emissions, striving for 30%

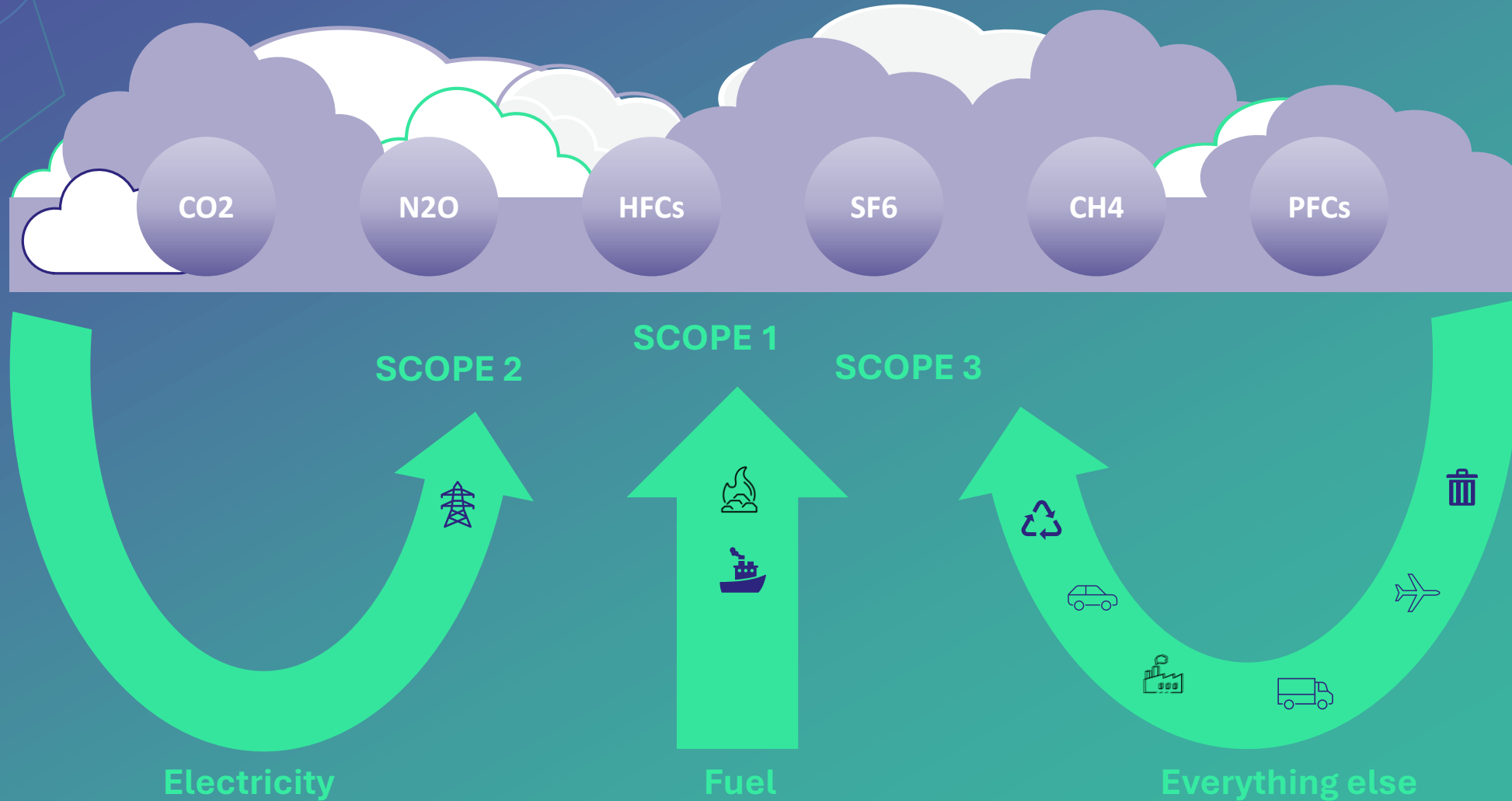
2040

70% reductions in GHG emissions, striving for 80%

2050

Net-zero GHG emissions

REDUCING & REPORTING Scope 3 emissions is challenging



Significant emissions happen in port

Goods & Services



Ship supplies



Waste disposal

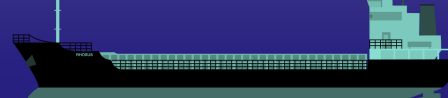


Diving services



Crew change

SCOPE 3

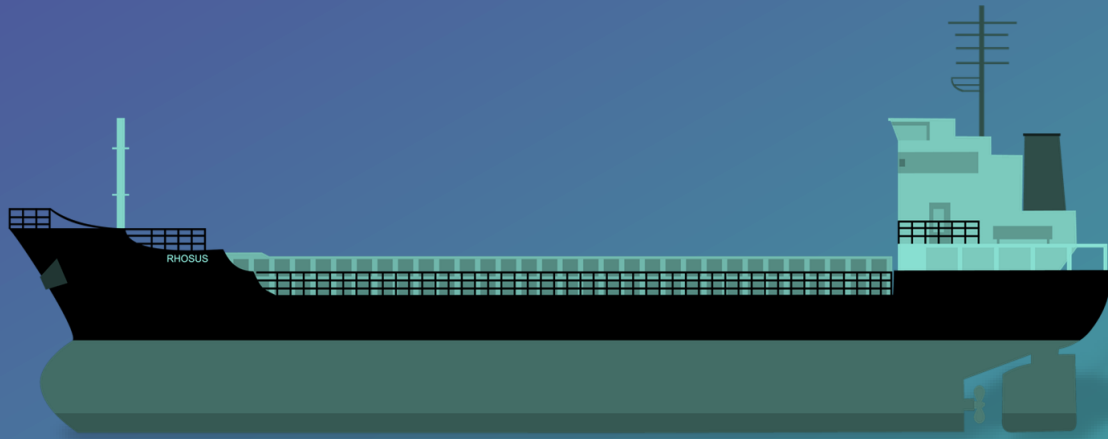


Mode Of Transport



20NM
CO2: 1.08MT
SOx
NOx
PM 2.5

Not uncommon to have multiple vessels per call



No. of
Calls

CO2
1.08
MT

CO2
1.08
MT

CO2
1.08
MT



Decarbonization poses major challenges



REDUCING is challenging as these are essential services



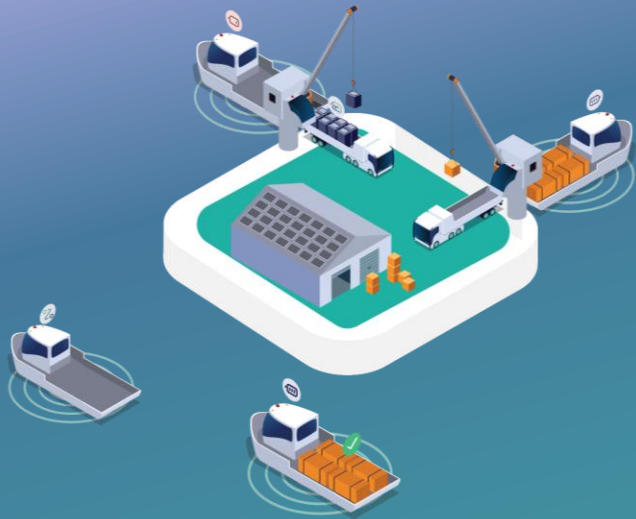
REPORTING will increase administrative burden and costs



RELIABLE green port services will be limited in supply

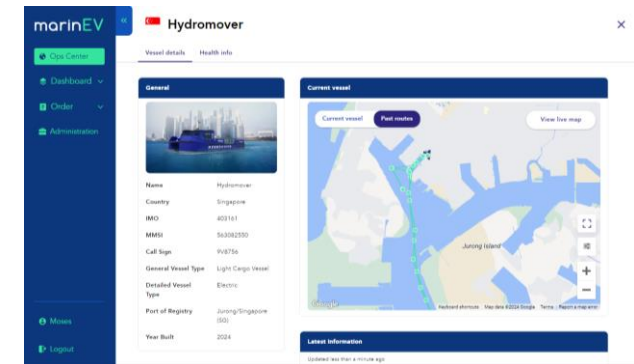
Partner of choice for Maritime Decarbonization

Complete solutions for emissions reduction for shipowners and harbourcraft operators



Zero Emissions Vessels

- End to end solutions for maritime electrification, from newbuilds, conversions, to cutting edge charging technologies
- Our capabilities allows us to take an ecosystem approach to accelerate EV adoption






Marine Digital Platform

- Our marine digital platform would enable real time tracking of cargo and passenger deliveries
- A report would also be generated to highlight carbon saved for every trip using an EV

ELECTRIC CREW TRANSFER VESSEL

HYDROGLYDER



- Hydrofoil System from Lift Ocean AS for energy efficiency 
- Smart sensors for situational awareness 
- Composite material hull for light weight 

ELECTRIC LIGHT CARGO VESSEL

HYDROMOVER

- Spacious cargo volume of 25 tons
- Designed for efficient hydrodynamics hull
- Locally designed & constructed together with Goal Zero consortium

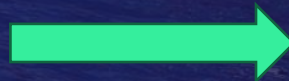


ELECTRIC LIGHT CARGO VESSEL

HYDROMOVER 2.0



- Cargo capacity up to 40 pallets, 25 Tons
- Range of up to 90 nautical miles
- Crew welfare significantly improved as vessel is very quiet
- First of the series to be delivered in 2025

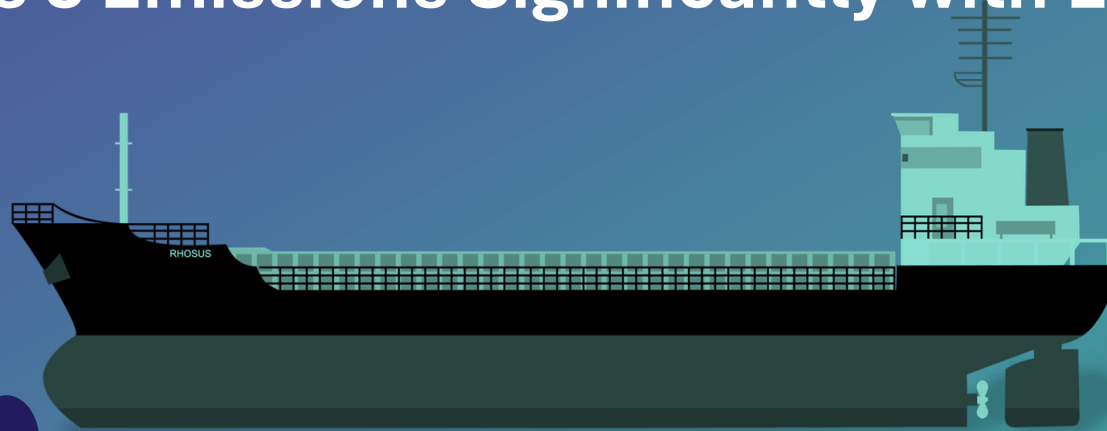


Replace 2 ICE equivalents

Reliable green transport secured for the future



REDUCE Scope 3 Emissions Significantly with EVs



CO₂
↓ **2.09 MT Reduction**

CO₂
2.16

CO₂
0.07
MT



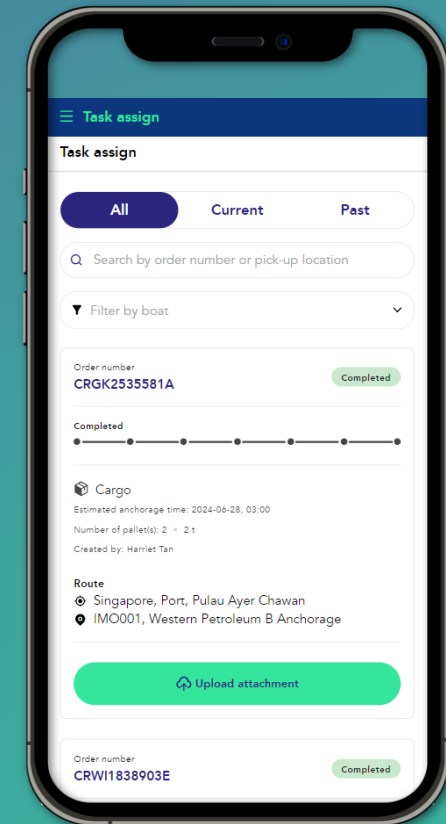
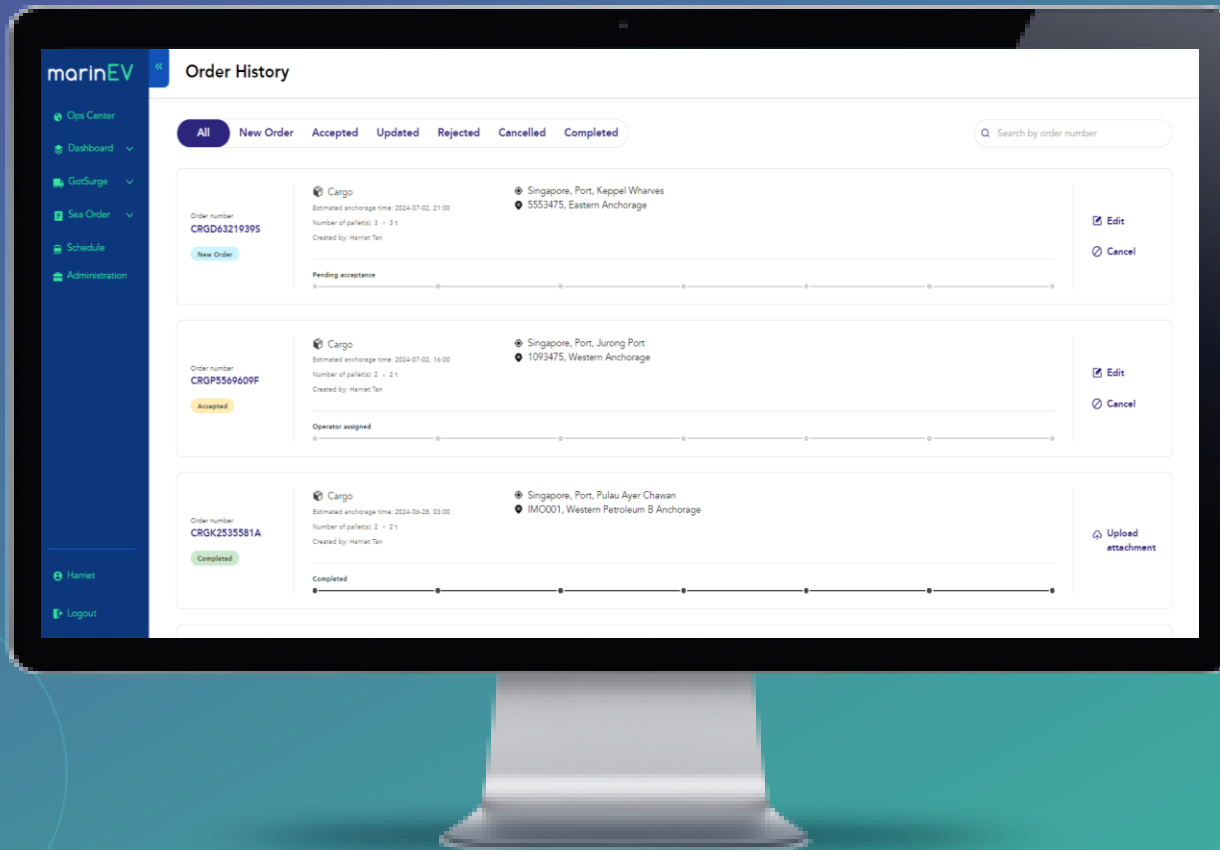
PM
2.5

CO



Digitalization makes Booking, Tracking and Reporting easy

Reports and statuses would be accessible anywhere at anytime

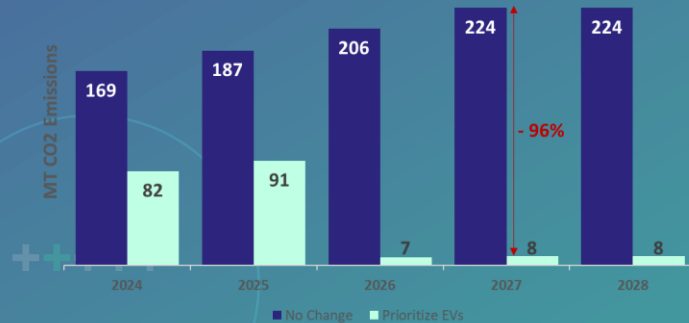


Why marinEV, Why Now

REDUCE

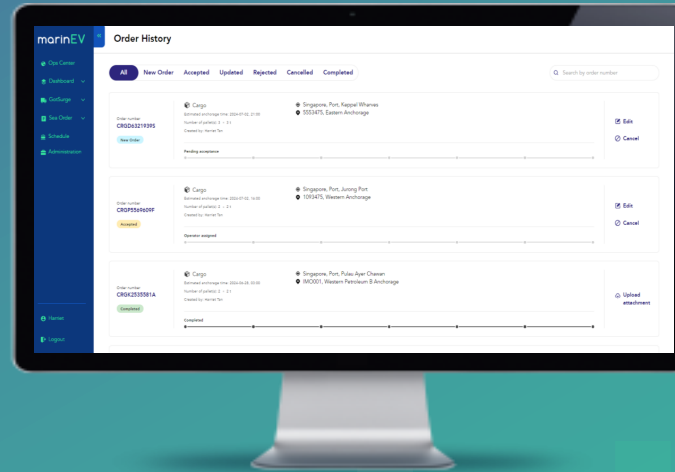
related Scope 3 emissions significantly

Scope 3 Emissions Comparison, annually
No Change vs Prioritize EVs



REPORT

emissions with ease using our platform



RELIABLE

green transport secured for the future



Thank you!

www.marinev-ygt.com