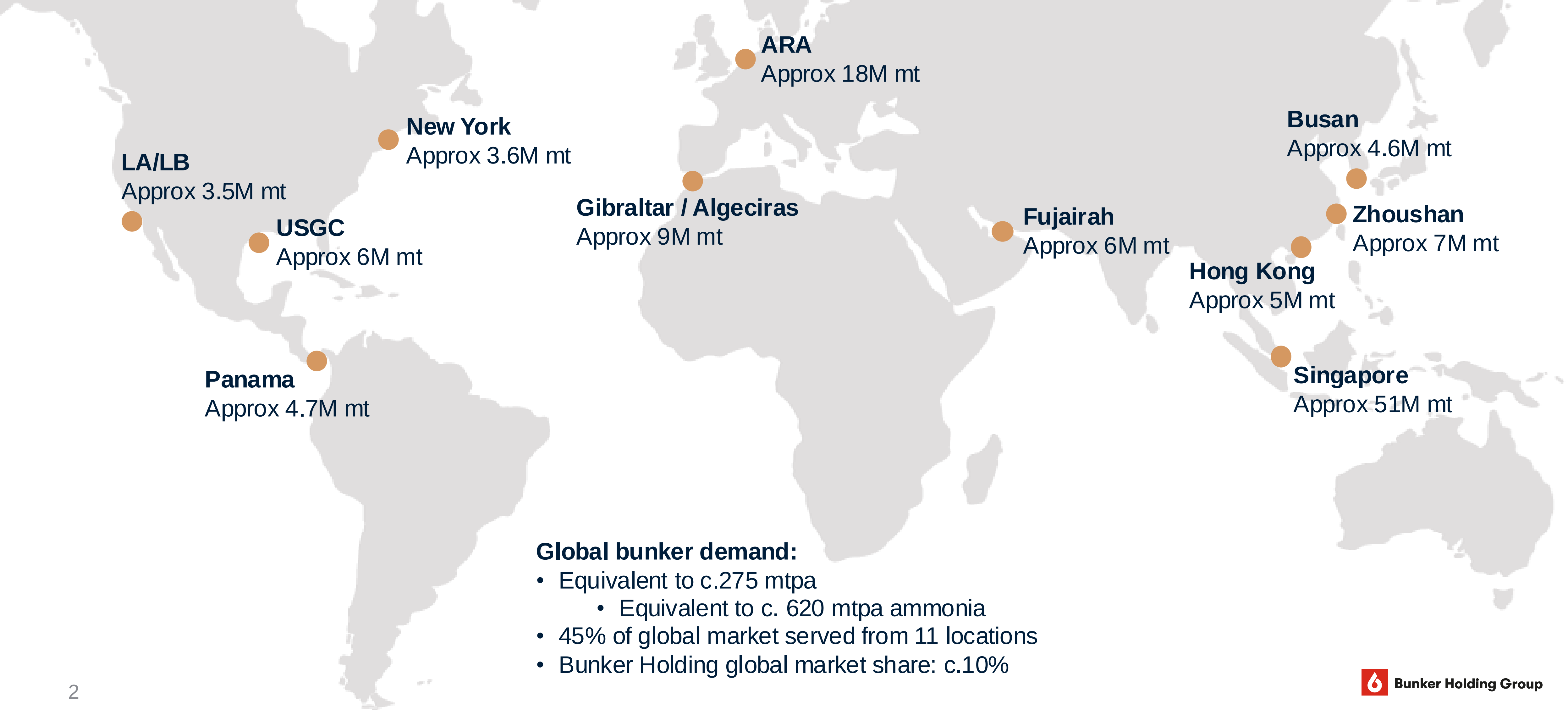
Bunker Holding Group

INTRODUCTION TO BUNKER HOLDING

New Orleans 13/11/2024

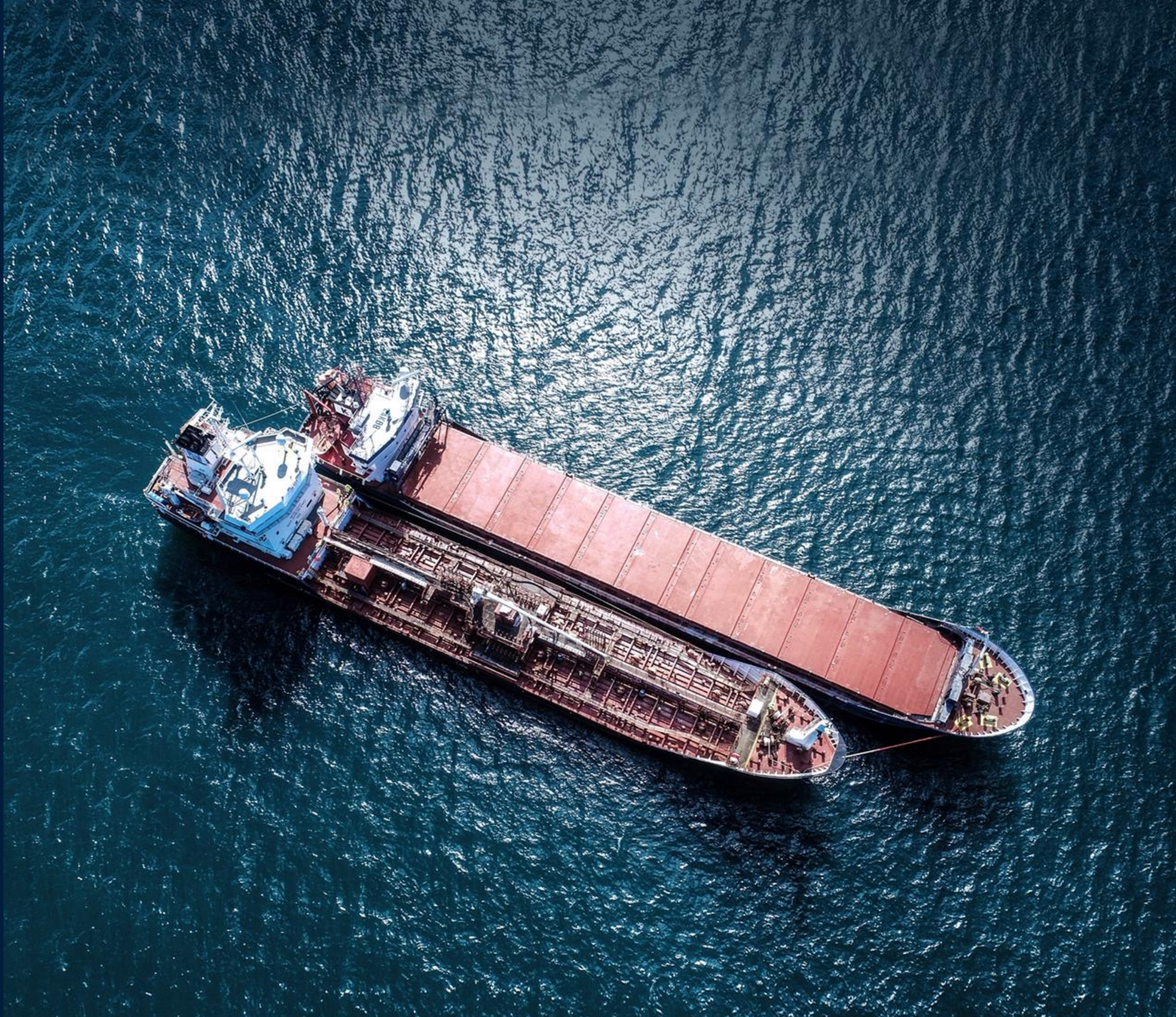
OVERVIEW OF GLOBAL MARINE FUEL TRADE



Global bunker demand:

- Equivalent to c.275 mtpa
    - Equivalent to c. 620 mtpa ammonia
- 45% of global market served from 11 locations
- Bunker Holding global market share: c.10%

WHAT
WE DO



WE TRADE BUNKERS AND LUBRICANTS

WE OFFER PHYSICAL SUPPLIES

AND WE HELP SHIPPING COMPANIES MANAGE THEIR PRICE RISK ON FUEL EXPENSES

OFFICES IN AMERICAS
16

OFFICES IN EUROPE
25

OTHER OFFICE LOCATIONS
2

OFFICES IN ASIA
19

AROUND THE WORLD

HIGHLIGHTS

PORTS
1,668

NATIONALITIES
60+

COUNTRIES
32

OFFICES
62

EMPLOYEES
1,500+

INQUIRIES
107,402

TRUSTED ADVISORS

CONNECTING THE DOTS

DEFINING OUR CLIENT'S BUNKER NEEDS.
LOCATING THE OPTIMAL PHYSICAL SUPPLIER.
MANAGING RISK AND VOLATILITY IN FUEL PRICES.
HANDLING ALL TRADES AND LOGISTICS.

NEW REGULATIONS ARE FORCING A CHANGE IN GLOBAL SHIPPING

Implemented frameworks

EU ETS — Cap and trade of emission allowances

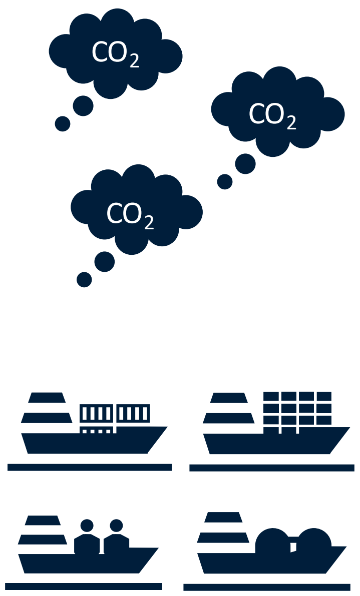
CII — Carbon intensity indicator rating

EEXI — Energy efficiency requirement for existing ship index

SEEMP III — Ship energy efficiency management plan

EEDI — Energy Efficiency Design Index

Fleet/vessel emissions

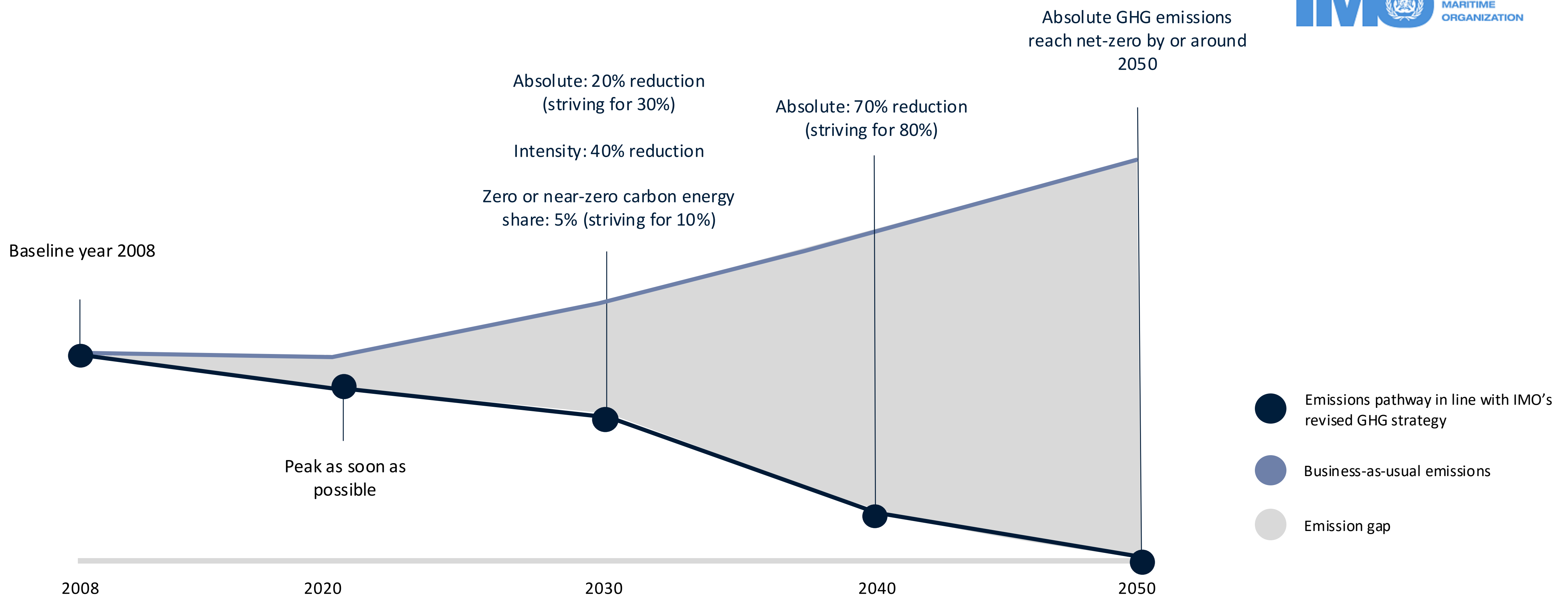


Up-coming

FuelEU Maritime — Operational requirement on GHG intensity

IMO mid-term measures — Required GHG intensity of marine fuels & GHG emissions pricing mechanism (IMO to agree by 2025)

REVISED IMO GHG STRATEGY



INTERNATIONAL MARITIME ORGANIZATION

Bunker Holding Group

THE GREEN TRANSITION OF THE MARITIME INDUSTRY IS UNDERWAY

Short Term

- Fossil-based bunker fuels continue as the most dominant products. These begin to be augmented with biofuels.
- LNG is an available lower carbon fuel with a positive pathway to decarbonization.
- Focus is also on improving energy efficiencies on ships to reduce fuel burned.

Medium Term

- LNG & biofuel will begin to take a larger share of the fuel mix.
- Low Carbon Methanol becomes available in multiple locations.
- Commercial demonstration of ammonia fuel seen in multiple geographies
- Challenges around scale of supply of low and zero carbon fuels will persist.

Long Term

- An uptake of carbon-neutral fuels will take place, once a clear and robust regulatory framework is in place.
- Further development of blue and green sources of supply will facilitate the uptake of hydrogen-based fuels.

	2024		2030	2035/2040 – 2050
Pathways	Today	Short term	Medium term	Long term
From conventional fuels	VLSFO	Biofuel (FAME, HVO)	New Bio-based fuels (pyrolysis, HTL, etc)	
From fossil LNG	LNG	Biomethane	E-methane	
H2-based solutions		Low Carbon Methanol		
			Blue and E-ammonia	
				E-hydrogen (short sea, inland)