

Decarbonizing shipping – do you understand the change in risk and the human element?

Moderator:

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Our promise

..what is the IMO GHG 2023 strategy about

...insights from the industry

....emerging risk

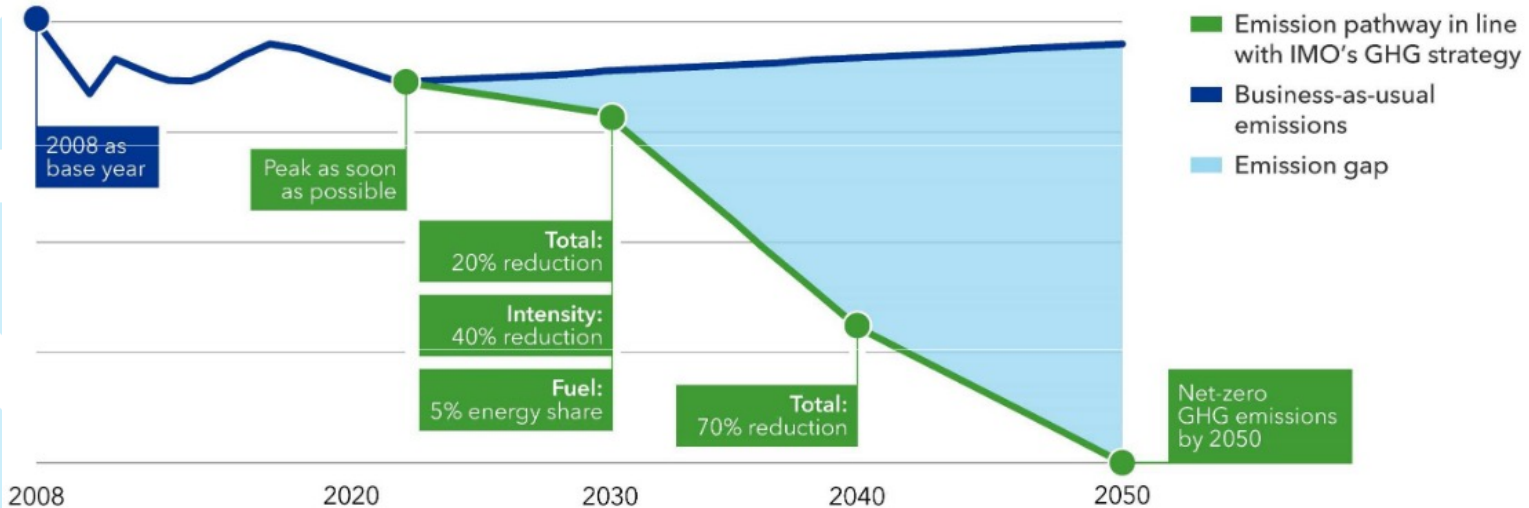
.....what does it take to stay competent assessing uncertainties ?

IMO GHG strategy 2023



The negative space

Units: GHG emissions



Total: Well-to-wake GHG emissions; **Intensity:** CO₂ emitted per transport work; **Fuel:** Uptake of zero or near-zero GHG technologies, fuels and/or energy sources

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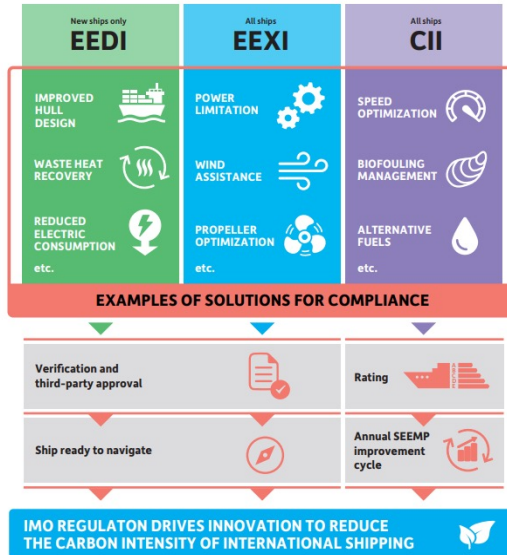
MARPOL VI: design/operation/propulsion



**IMO STRATEGY
ON REDUCTION OF GHG
EMISSIONS FROM SHIPS**



NEW REQUIREMENTS UNDER MARPOL ANNEX VI ADOPTED BY GOVERNMENTS



- Energy Efficiency Design Index (EEDI)
- Energy Efficiency Existing Ship Index (EEXI)
- Data collection System (DCS)
- Carbon Intensity Indicator (CII)
- Ship Energy Efficiency Management Plan (SEEMP)



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Live Polling



How many seafarers do you think are serving on international trading?

- 900.000
- 1.400.000
- 1.900.000
- 2.400.00

Our panel



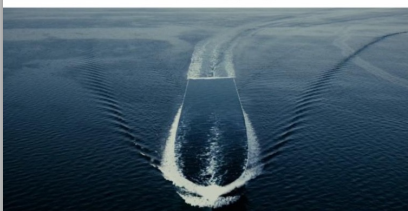
IACS

International Association
of Classification Societies

OCEAN

Technologies Group

Mærsk Mc-Kinney Møller Center
for Zero Carbon Shipping



In collaboration with



OSM Thome



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Recap consequence of IMO decarbonization strategy



Transformation and transition

Most technical solutions are identified

Alternative fuels are mapped

Digitalization and automation

Increased complicated operation

Upgrade of competences

But too few seafarers

To succeed - we need competent people

You are a part of this, but

what does it take to stay competent assessing
uncertainties?



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