

# A Maritime Energy Transition







Comparison of CO<sub>2</sub> Emissions Trajectories: Future Emissions Growth and Reduction Rates

----- IMO 2050 (Fourth IMO GHG Study) ---- BaU (Low) (Fourth IMO GHG Study) --- BaU (High) (Fourth IMO GHG Study) --- IMO 2050 (Absolute Zero by 2050)



#### What?





# **Price per kWh**



Source: MARIN

#### How?





Direct pilotage touch points



Comparison of CO<sub>2</sub> Emissions Trajectories: IMO Reduction Rates and Potential Zero-Emissions Fuels Uptake (Getting to Zero Coalition S-Curve)





# **Solution Readiness**



Indicative Comparison of Solution Readiness of Zero-Carbon Fuels (LR ZCFM)



### So What? Pilotage as a Service







# Thank you

