

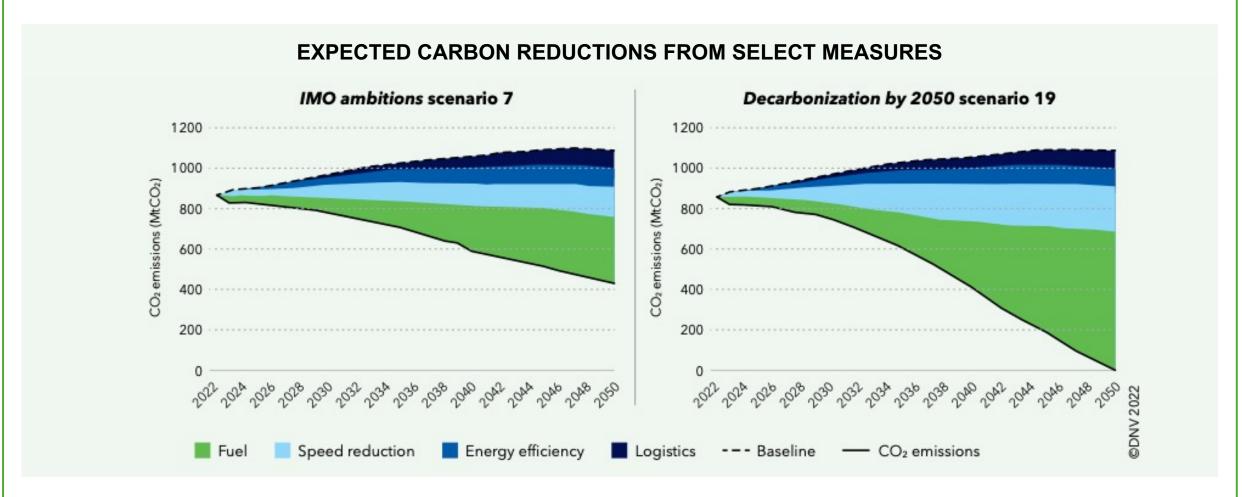
Ammonia Energy Conference 2022

AEA Maritime Ammonia Session: Advancing Maritime Ammonia

> Phoenix 15 November 2022



Global Shipping Aims To Decarbonize By 2050

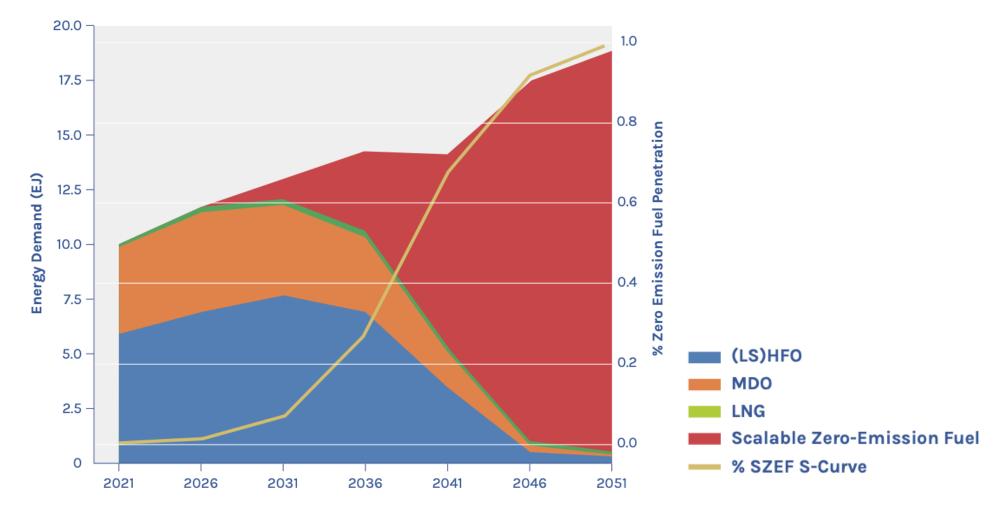


Ref: DNV Maritime Forecast 2050, DNV, 2022



Decarbonization Through Scalable Zero-Emission

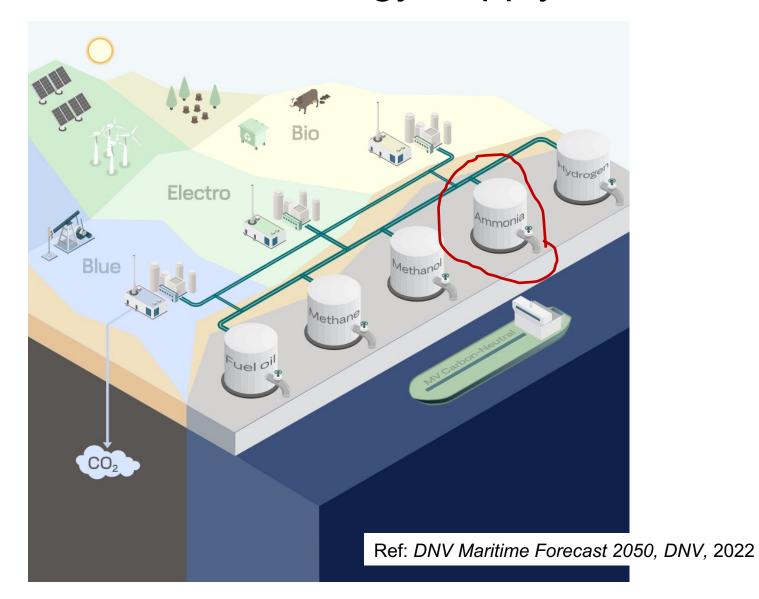
Fuels



Ref: A Strategy For The Transition to Zero-Emission Shipping, UMAS & Getting To Zero Coalition, 2021

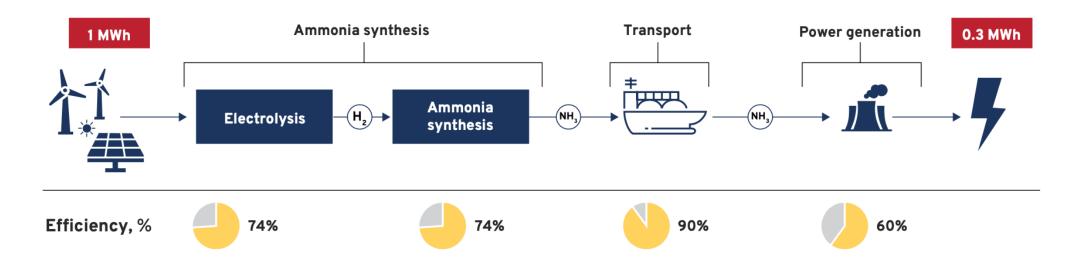


Ammonia's Role In Future Energy Supply Chains





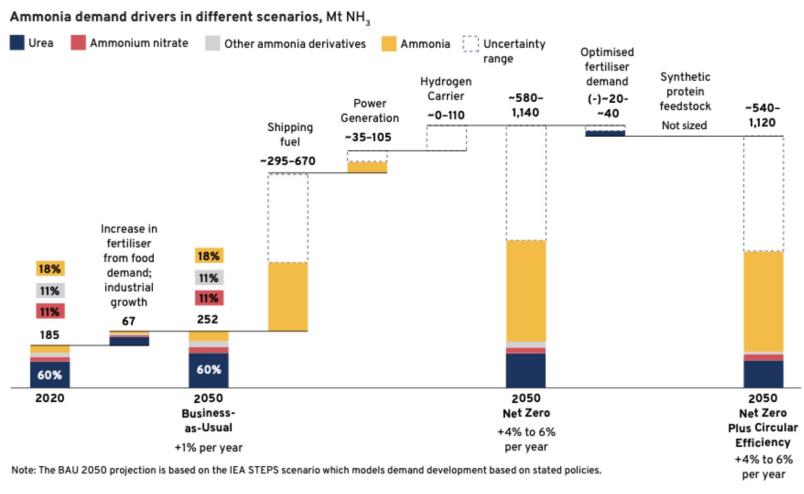
Ammonia Is A Renewable Hydrogen Carrier



Ref: Making 1.5-Aligned Ammonia Possible, Mission Possible, 2022



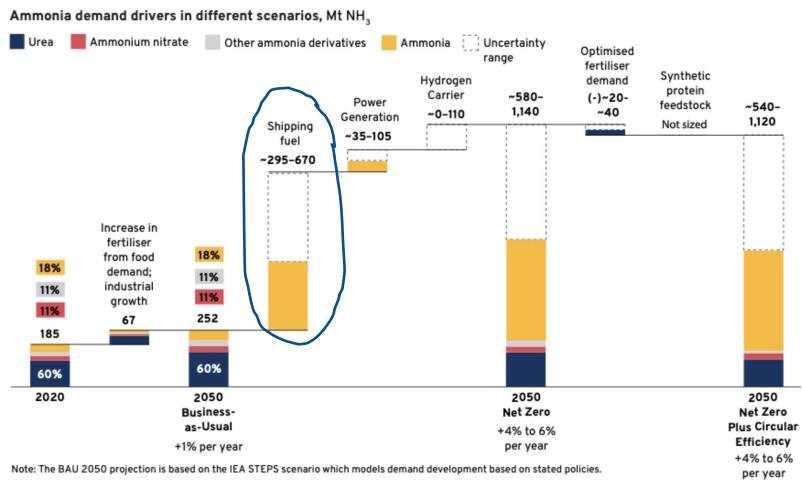
Major Increase In Ammonia Demand From Shipping



Ref: Making 1.5-Aligned Ammonia Possible, Mission Possible, 2022



Major Increase In Ammonia Demand From Shipping



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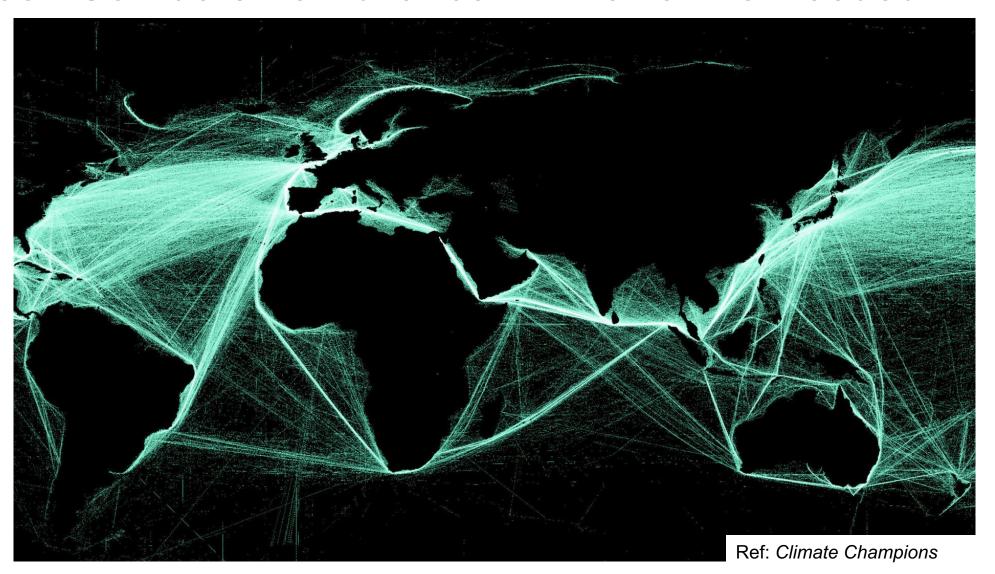
Ammonia Terminals Need Connection to Major Bunkering Ports



Ref: Alternative Fuels Insight, DNV, 2021

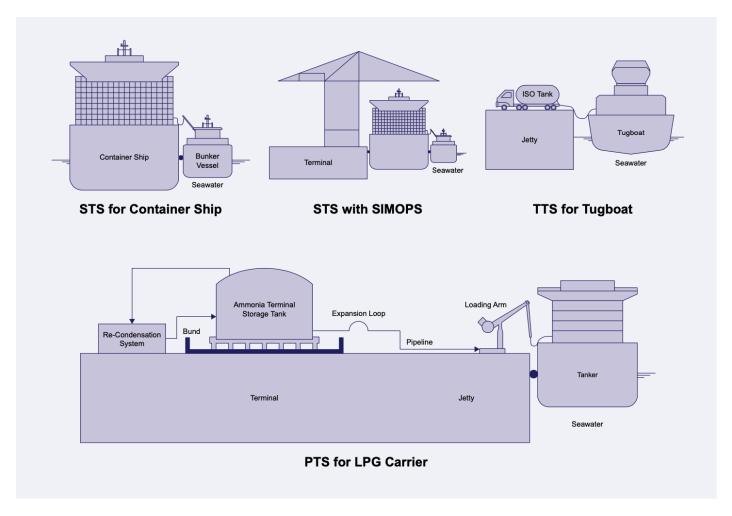


Green Corridors To Advance Ammonia Are Needed





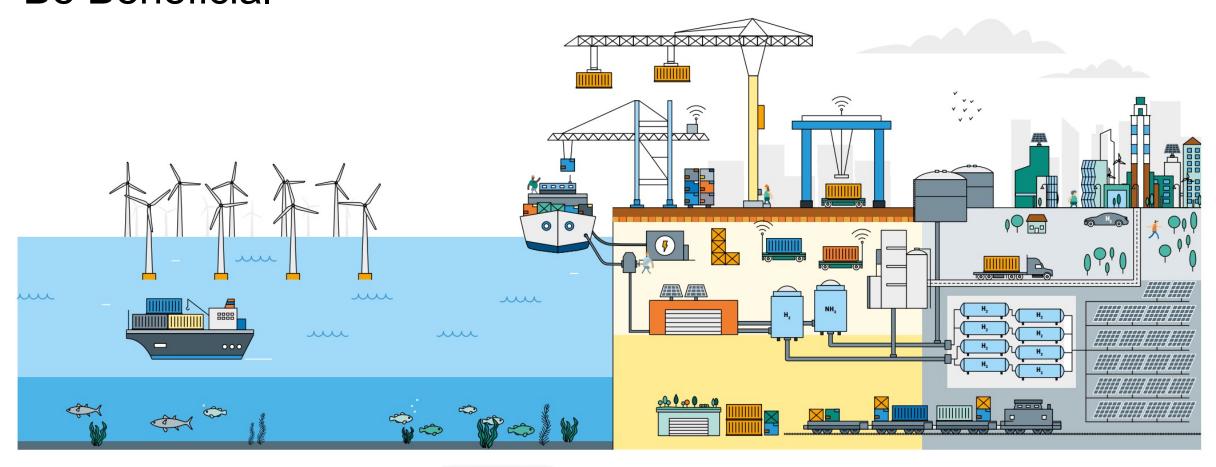
Ammonia Bunkering Is A Matter Of Safety



Ref: Ammonia as a Marine Fuel, NTU, 2022



Integrated Approach To Port Electrification Will Be Beneficial



Ref: Port Energy Supply For Green Shipping Corridors, Argus, 2022



PLEASE WELCOME OUR PANELISTS

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Advancing Maritime Ammonia - Speakers



Trends, Priorities and Examples of Increasing Ammonia Shipping Fuel Readiness Across the Value Chain

Emile Herben,
Product Manager,
Clean Hydrogen & Ammonia
Yara Clean Ammonia



Ammonia Safety – Safety and Public Perception

Monique Berrevoets, Strategic Consultant Antea Group



Ammonia as a Marine Fuel – Bunkering Operations and Dispersion Simulations

Chase Ji, Senior Sustainability Engineer American Bureau of Shipping (ABS)



Accelerating Maritime
Decarbonization via Multi-Sectoral
Integration

Tatum Auvil,
Research Analyst,
Low Carbon Resources
Electrical Power Research Institute
(EPRI)