



## LOGISTICS OF THE ENERGY REVOLUTION

THE FUTURE OF  
THE ENERGY  
SUPPLY CHAIN



**POWERING  
OUR WORLD,  
TOGETHER**

DELIVERING EXCELLENCE  
TO THE ENERGY SECTOR

**DHL Energy Regional Conference Europe 2022**

# Jumbo – SAL – Alliance

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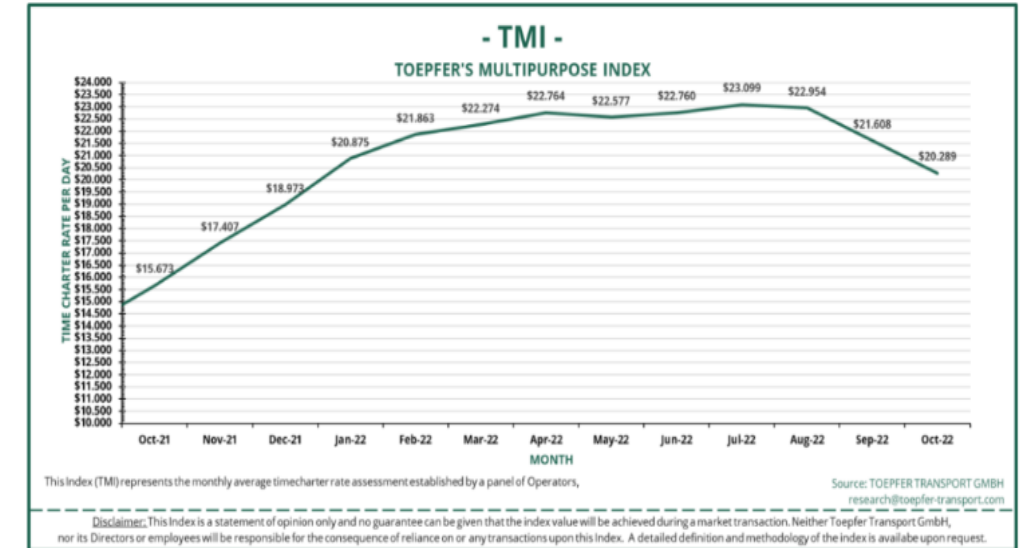
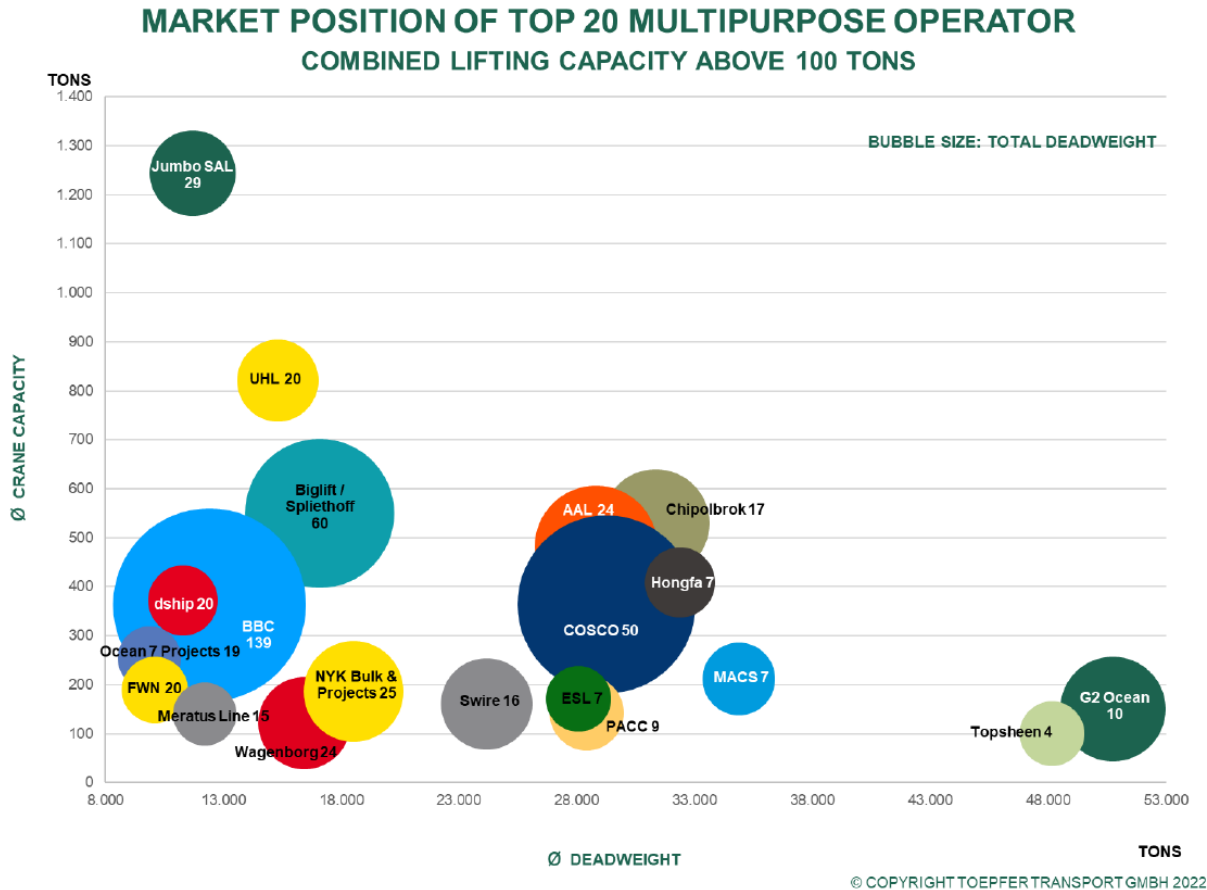
*Jumbo-SAL-Alliance*

*DHL Energy Conference Oct. 13*



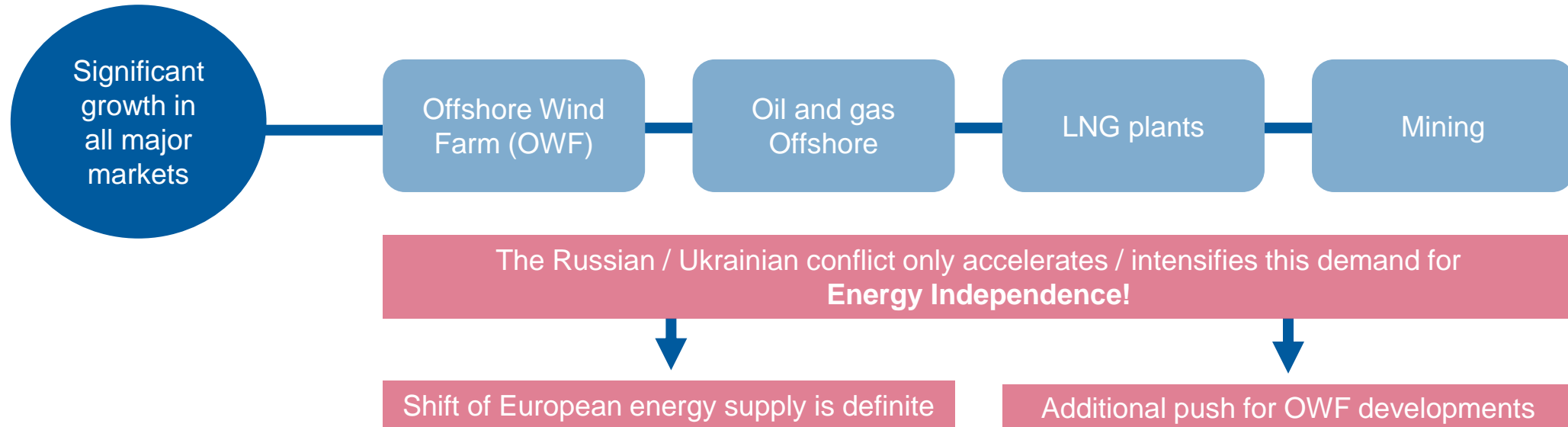
A L L I A N C E

# Current Market Overview



- Large consolidation in MPP fleet took place due to last decade of recession.
- MPP fleet is relatively aged.
- No structural investments done during last decade.
- Above 500 ts lifting capacity is considered a niche so no big investments expected despite strong outlook.
- MPP fleet below 500 ts volatile.
- MPP fleet is absorbing increased container demand.
- International legislation having an impact on daily operating costs for international shipping (fe EU ETS Emission trading system).

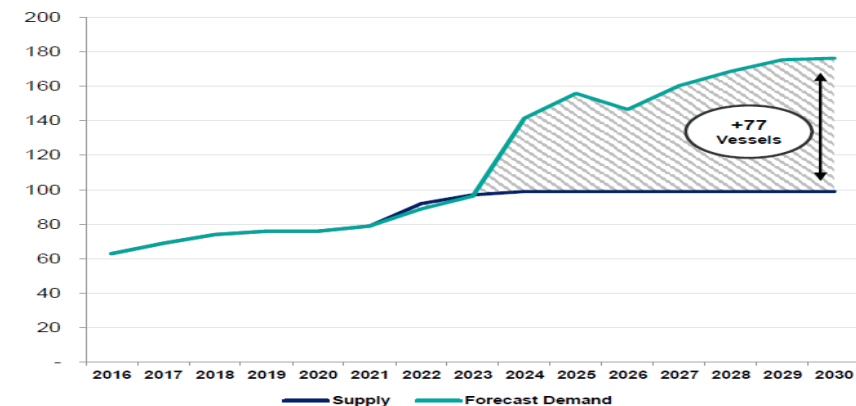
# Market Developments



**In short terms no significant increase in MPP availability expected due to:**

- Shipyards are full, difficult to receive a building slot.
- Deck carriers used for shipping new built sections again.
- Steel prices high.
- Order now, delivery in 2/2,5 years.
- Yards prefer to built less complicated vessels then heavy lift vessels.
- More remote areas will be developed / sourced – longer supply lines.
- Uncertainty in selection of main engine / fuel type.
- ETS compliance might result in slow steaming / scrapping older tonnage

**HTV Forecast Supply / Demand**  
Based on current order book





# Orca, the next generation HLV



Classification	DNV Ice 1A Multipurpose Dry Cargo Ship Clean Design Tier III ECA (Sox-A) Fuel ready (LFL Methanol) Recyclable Polar (C,25) Battery Safety, RP (1)	Deadweight	13,150 t	Crane Capacity	2 x 800 t @ 20.00m (in combination 1600 t)
		Length over all	149.90 m	Eco Speed	13.0 kn
		Breadth moulded	27.20 m	Design Speed	16.5 kn
		Depth to main deck	13.50 m	Max Speed	18.0 kn
		Draught design max	7.20 m	Main Engines	2 x MAN 6L3244CR 3600 kW Total kW 7200
			8.50 m	Consumption	Eco 16 t/day @ 13.0 kn Design 28 t/day @ 16.5 kn

# Current Challenges

Current logistical challenges for Offshore Wind Farm development

Longer Supply Lines

Small Marshaling Ports

Heavier and Larger

Chinese Controlled Tonnage

Green Shipping

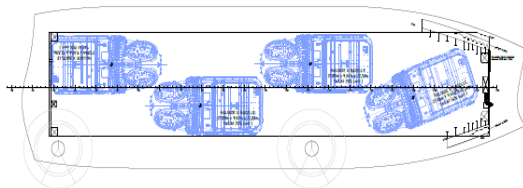
WAY FORWARD = Stronger, Together

Supply Chain Transparency

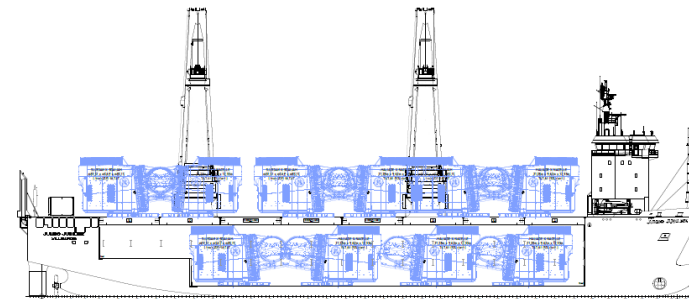
Long Term Relationship

Contractual Flexibility

Project JV's (carriers)



Under deck requirement, intake 4 units



With deck option, intake 10 units



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