

Investment Considerations of Operators

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Unique Qualifications of MTBS

- MTBS is the global leader in business & transaction advisory services in the port sector with a high success rate on both sell-side & buy-side transactions
- MTBS is a recognized contentleader: implementing international best practice transaction services and products.
- **MTBS's** track record encompasses a large number of transaction projects in Europe, Middle East, Africa, Latin America and the rest of the World.
- **MTBS** is independent, flexible and international.

- MTBS dedicated port team is the largest and most experienced team, certainly when compared with global accounting & strategy consultants.
- MTBS' senior experts have a long corporate history in blue chip organisations such as Deloitte, PWC, APMT, Royal Haskoning, Royal Boskalis, Port of Rotterdam etc.
- MTBS's team of experts all have deep-rooted experience in strategy, business valuation, transaction and finance.
- **MTBS** methodology focuses on delivery as well as skills transfers.

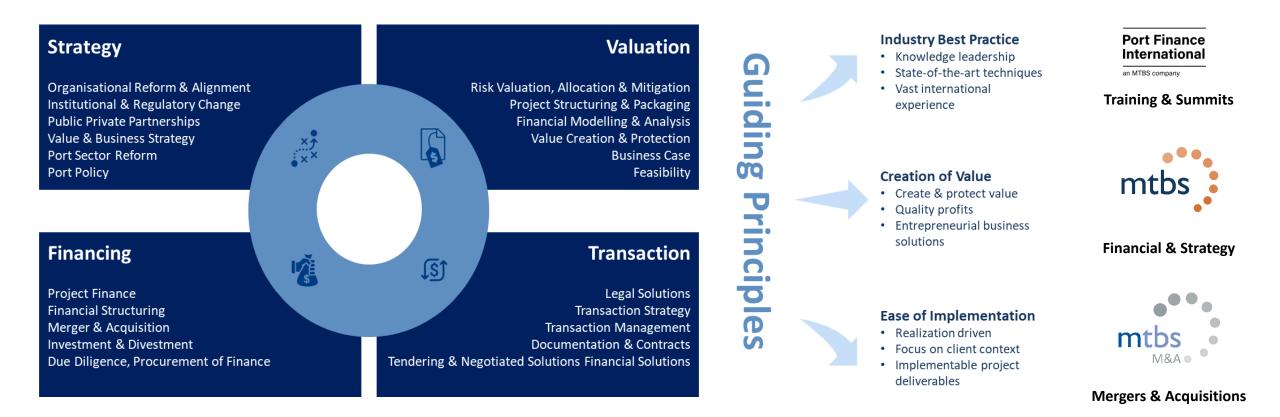


MTBS is proud to call the White House its 'home port'. A Landmark building since its completion in 1898



Our Mission: Unlocking Value in the Maritime & Transport Industry

On the interface of land and water, positioned between public and private interests, ports are the most strategic nodes in global transport network. Therefore, MTBS believes that ports offer a unique value proposition. It is the mission of MTBS to unlock and protect this value by offering its clients entrepreneurial business solutions and creating the quality profits they seek.



Key Products in Port Business & Transaction Advisory

Areas of Expertise			Project Structuring		
Deep-sea Ports D	ry Ports	Shipping	DBFOM	DBFM	
River Ports & IWT Free Zones		IWT	ВОТ	M&A: Equity Transactions	
Analysis Plann		nning & Operations	Financial Analyse	Financial Analyses & Financing	
Market Studies & Forecasts		Master Planning	Master Planning	Value for Money	
Tariff Studies	-	Business Planning	Business Planning	Viability Gap Funding	
Benchmark Studies	Technica	Il & Operational Planning	Technical & Operational Planning	Financial Structuring	
Feasibility Sutdy	Produ	uctivity Improvements	Productivity Improvements	Financial Due Diligence	
Partnering		Procurement	Sell Side Transactions	Buy Side Transactions	
Partnering Strategy & Search		perators (Revenue)	Transaction Design & Management	Due Diligence	
Market Sounding & Consultations		ontractors (Capex)	Bid Documentation	Bid Preparation & Support	
Operator Search	Inves	tors/Banks (Financing)	Investor Selection	Negotiations & Close	
		M&A (Equity)	Negotiations & Close		

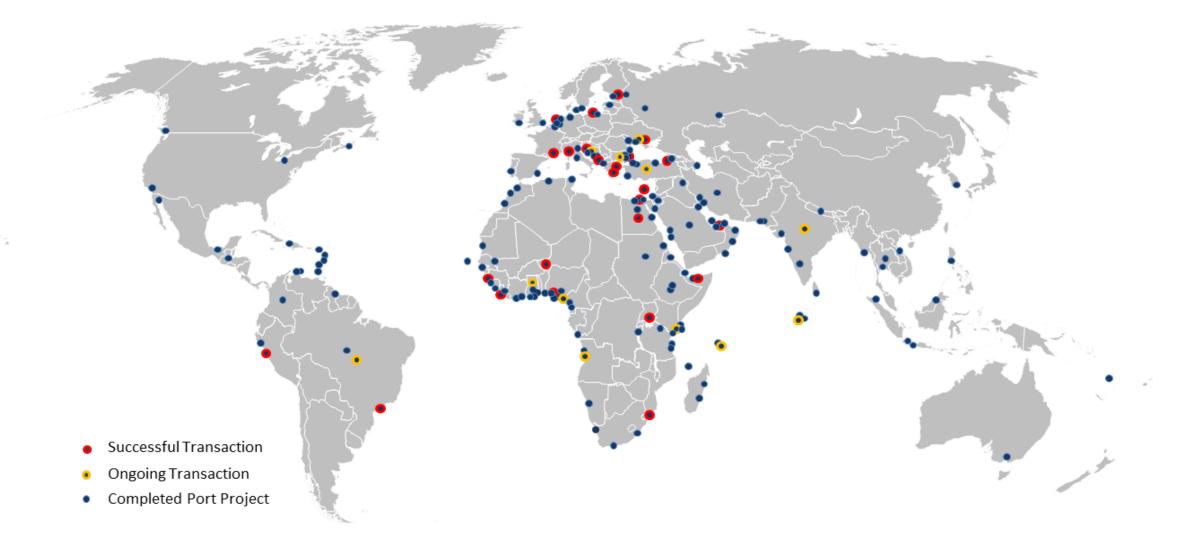


Overview of our Clients



Entrepreneurial approach to deal-making

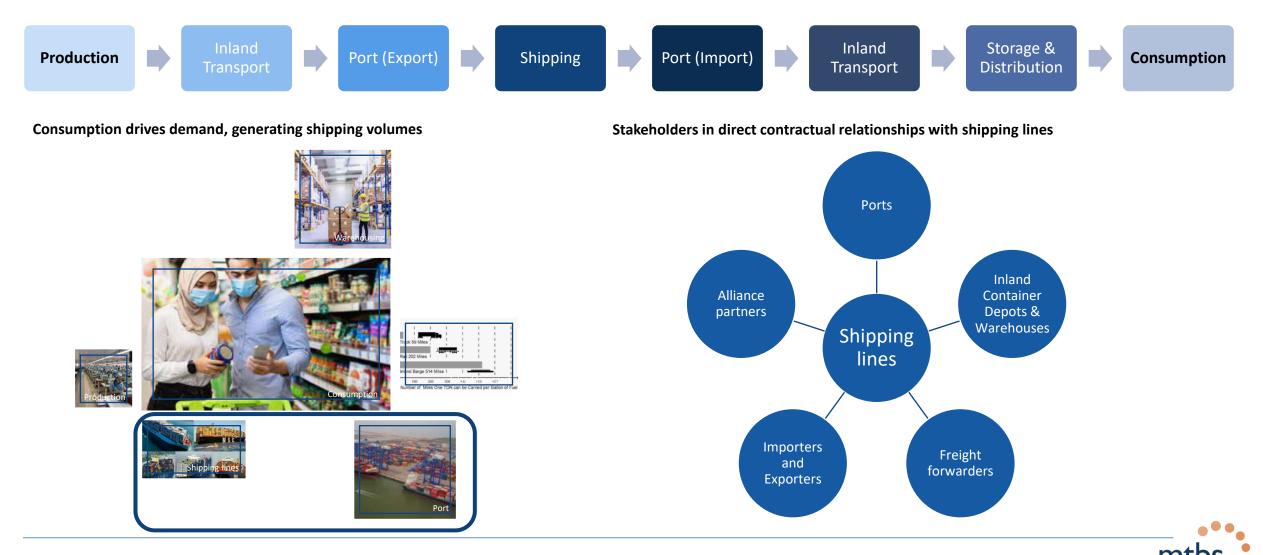
MTBS Track Record and Extensive Global Experience





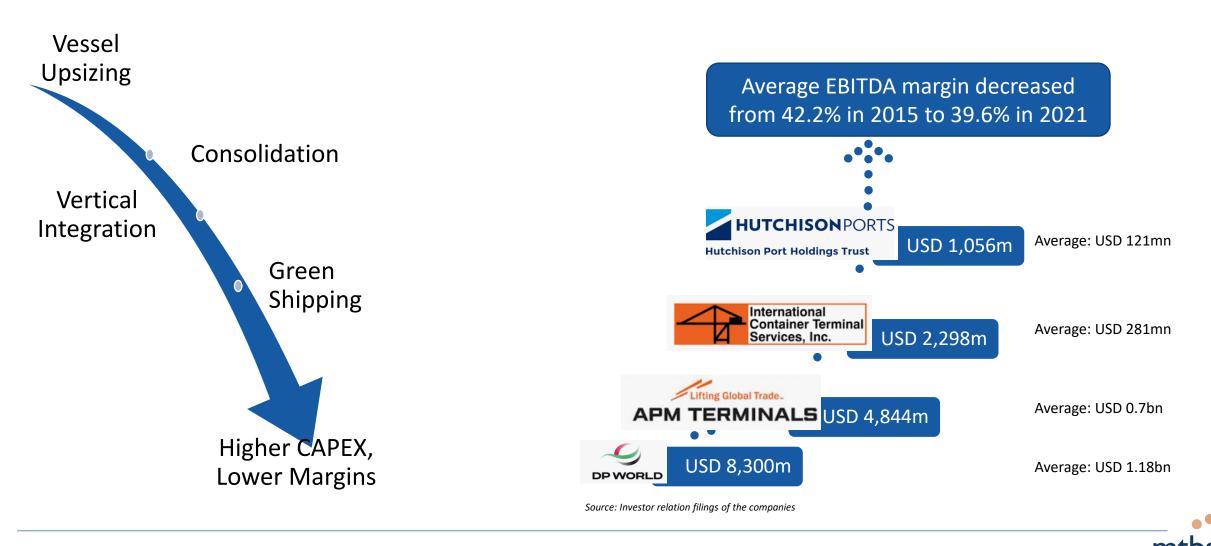
Importance of shipping lines in the supply chain

Shipping lines are midstream supply chain kingpins. Ports are reactive to the trends of their customers.



Challenges confronting port operators

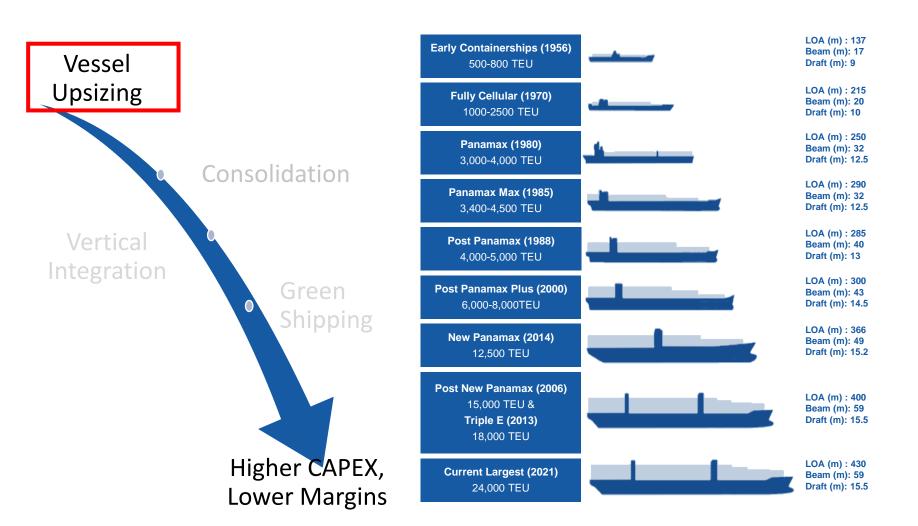
Trends of customers in the past decade result in a dilemma for port operators. Continue investing, satisfied with mediocrity or exit the business?

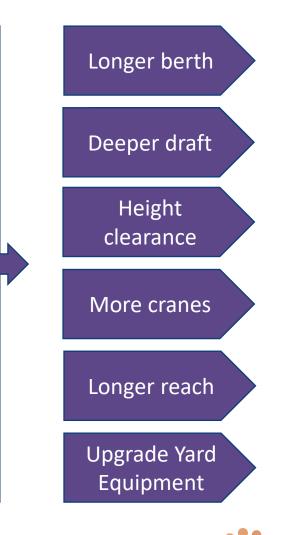




Impact of Vessel Upsizing

Incur substantial CAPEX (Civil & Equipment) or face obsolescence





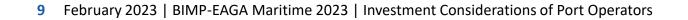
mtb

Capital Expenditure

with

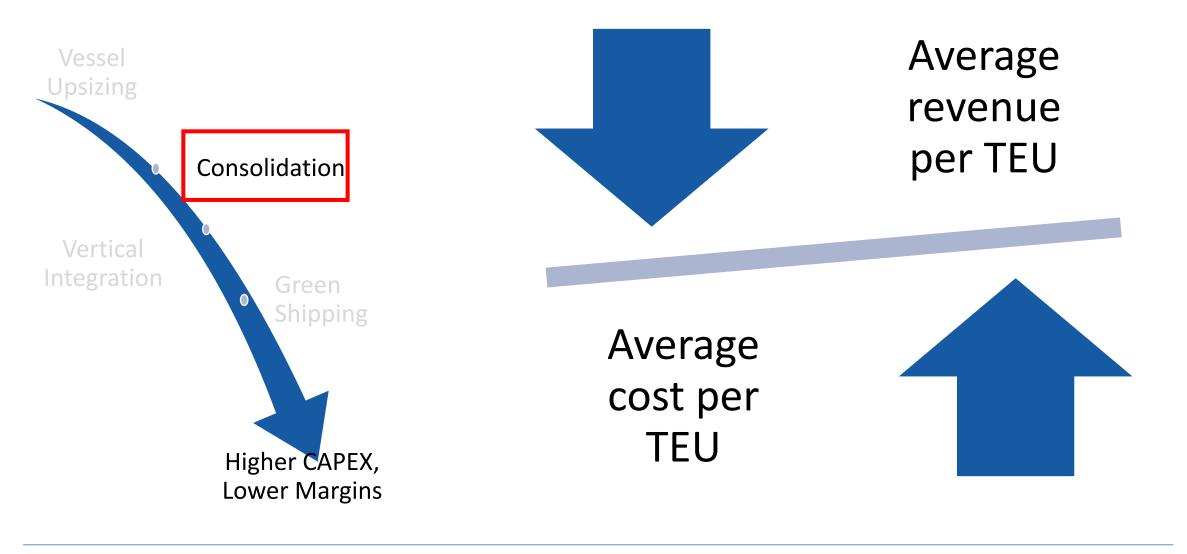
respond

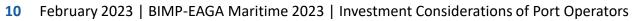
Ports



Impact of Shipping Line Consolidation

Tariff pressure and peaking problems





Impact of Vertical Integration

Consolidation

Green

Higher CAPEX,

Lower Margins

Shipping

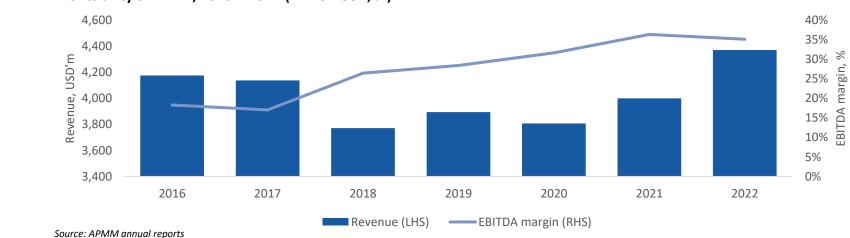
Vessel

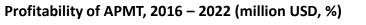
Upsizing

Vertical

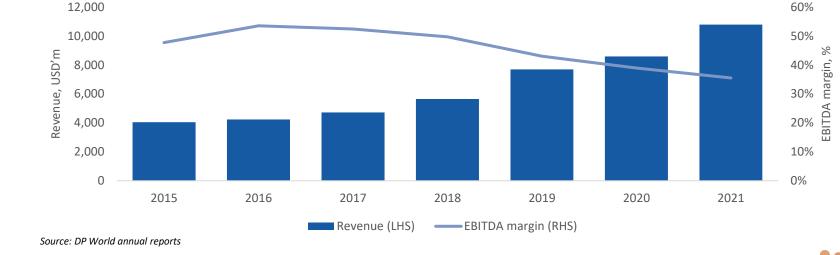
Integration

Ports with close affiliation with dominant shipping lines share the fortunes of their vertical chain, while profit centres face margin pressure.











Impact of Green Shipping

Green shipping extends to port operations, translating into CAPEX requirement which may not bring about the incremental capacity and productivity



Hydrogen-Container Handler (LB, US)

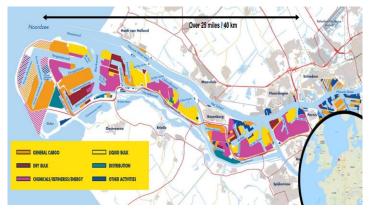


Hydrogen-based tractor (Port of Imminghem, UK)



Source: Google images, Port of Rotterdam

Establishing Green Shipping Corridors (Rotterdam, NL)



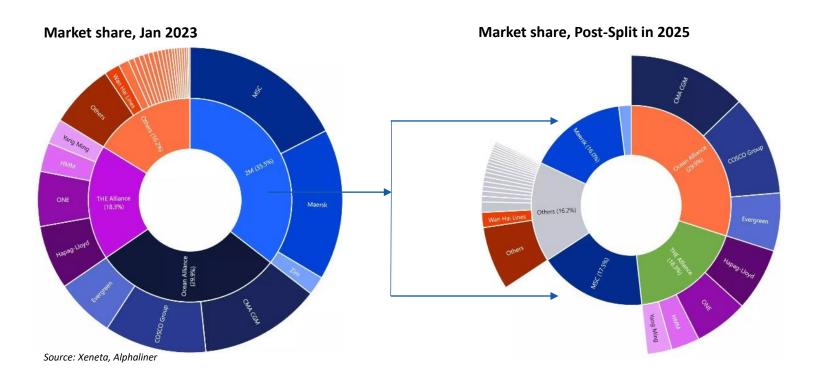
Solar installation at Aqaba CT



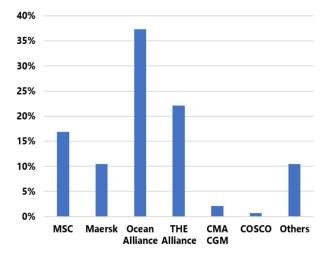


Recent announcement of 2M alliance split

Bargaining power of ports may improve, but by how much?



Capacity market share in Transpacific route

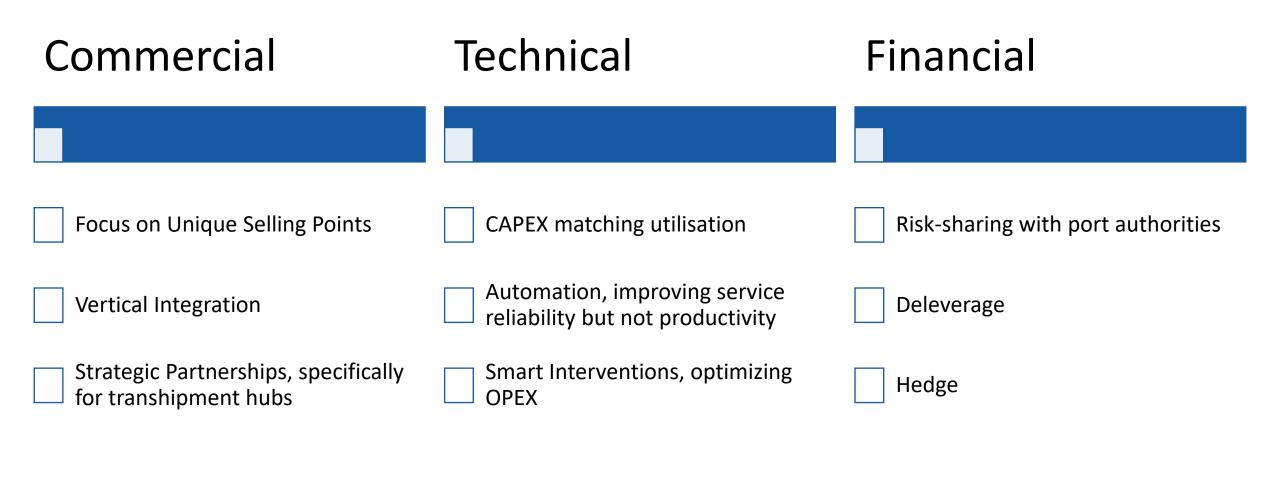


Source: Sea Intelligence



What can ports do to improve margins and mitigate risks?

Dissecting the aspects of a Business Plan – Commercial, Technical and Financial



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