

Brave new world? The next 25 years of container transport

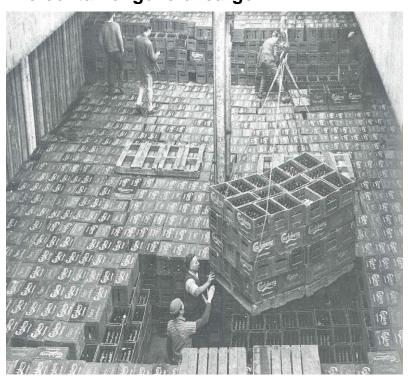
Andrew Huxley – TT Club

2nd BALTIC PORTS & SHIPPING 26 SEPTEMBER 2018, RIGA

T CLUB S MANAGED BY THOMAS WILLER



Pre-container general cargo





MV Fairland, Bremen, 1966

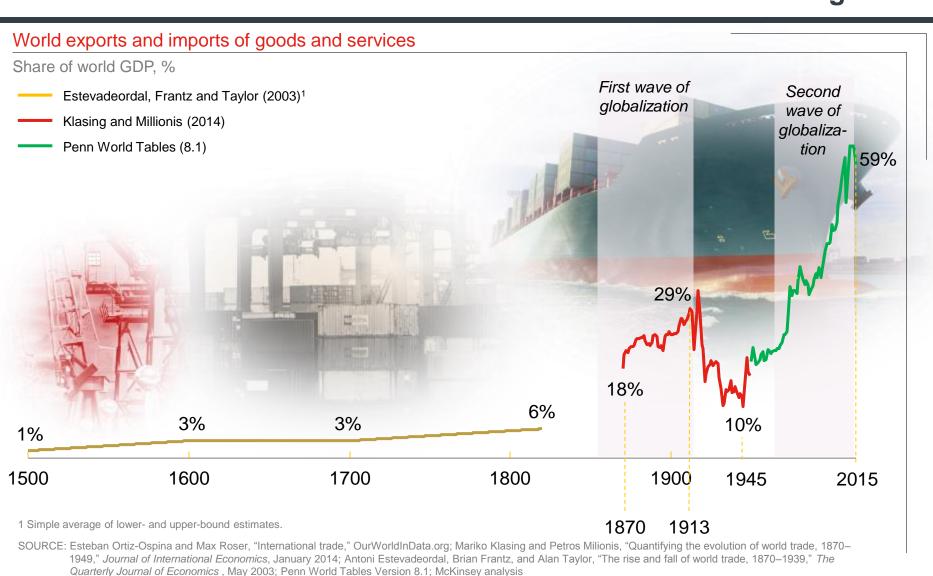


The container changed the game – both in terms of economics and safety





We've been living in an unprecedented era of trade growth

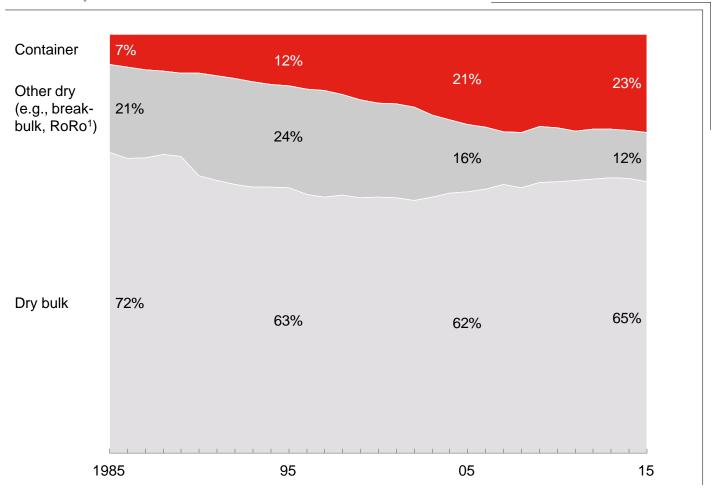




Containerisation has slowed considerably since the early 2000s – but is unlikely to reverse

Container share of dry seaborne trade

% of total dry seaborne trade tons



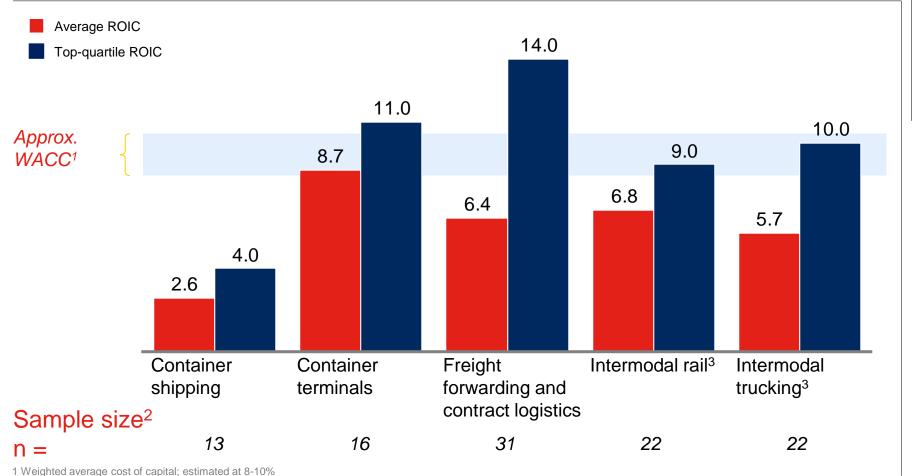
1 Roll-on, roll-off

SOURCE: IHS, McKinsey analysis



The container transport industry has struggled to return its cost of capital in the last two decades





SOURCE: Capital IQ, McKinsey analysis

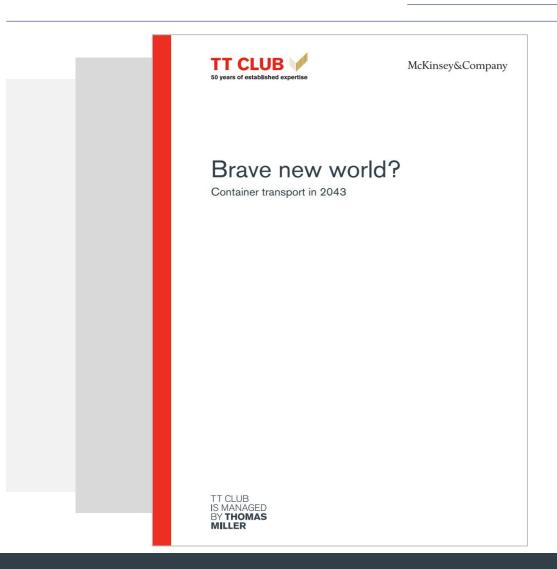
² Sample size varies across years due to data unavailability

³ Includes non-containerised transport







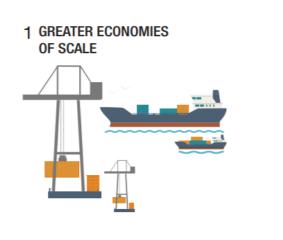


What is the fundamental force that drives industry value-creation over the next 25 years?

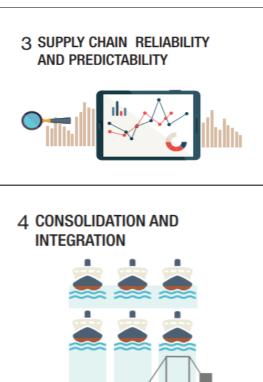
- Trade growth?
- Digital, data, analytics?

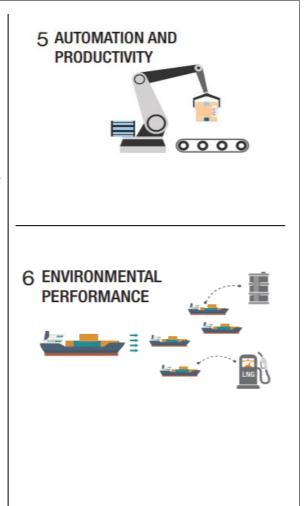


Six (potential) sources of value creation going forward











Third wave of globalisation

Trade demand

Sector economics

Industry structure





Re-acceleration of trade growth Container captures significant share from bulk

~35%

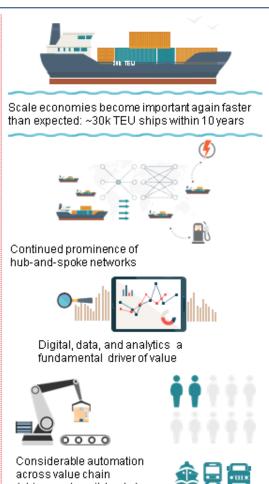


Specialisation results in significant supply chain fragmentation

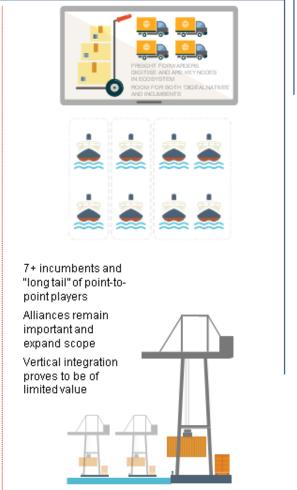


China manages slowdown while India grows >10% p.a.





(ships, ports, rail, trucks)





"Peak container" & consolidation

Trade demand



Further slowdown of trade growth No more containerization

Market stays flat at 23%



Increasing share of "local for local" supply chains

China's export engine sputters and India does not achieve "breakout" growth



Sector economics



Scale economies lose salience because insufficient demand to fill ships







Gradual automation, especially landside (ports, rail, trucks)





Industry structure



Freight forwarders digitise faster than asset owners and avoid disruption



Accelerated consolidation resulting in 3-4 leading liners

Vertical integration proves to be of limited value Alliances less valuable

"Digital natives" play in the margins; no entry by "digital giants"





Digital reinvention

Trade demand



"Slow and steady" trade growth

Modest additional containerisation



Shorter, more diverse supply chains (e.g., India to China, Africa to Europe)

China manages slowdown, India does not achieve "breakout" growth



Sector economics



Scale economies lose salience; flexibility is valued



Smaller ships, more point-to-point, less trans-shipment



Digital, data, and analytics a fundamental driver of value



Considerable automation across value chain (ships, ports, rail, trucks)



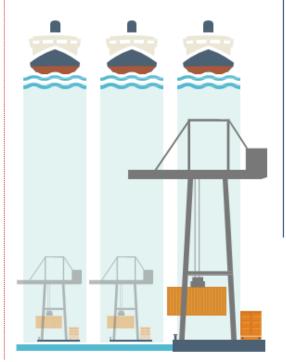


Industry structure

4-5 major incumbents and "long tail" of point-topoint players

Vertical integration enables digitisation and provision of E2E supply chain services

Freight forwarding radically shifted to a digital model





Digital disruption

Trade demand

Sector economics



Reduced friction via digital unlocks new exporters/importers

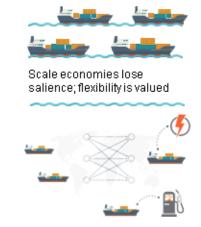
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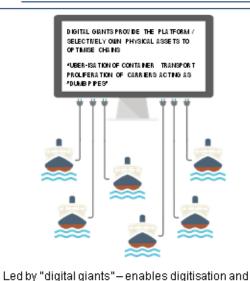


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Industry structure



provision of E2E supply chain services

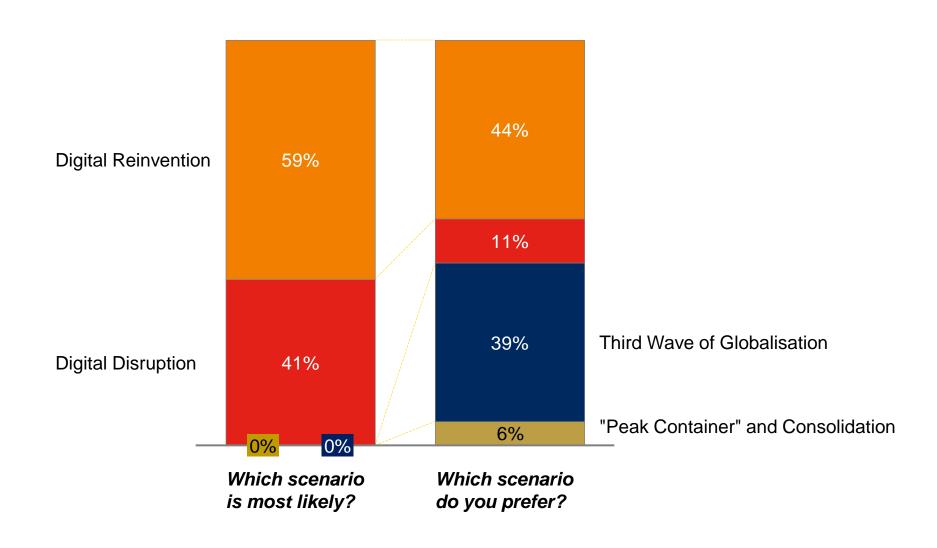
Freight forwarding becomes totally digital





The future is digital

Responses of TT Club Directors (8 November 2017)







- It is far too easy to be pessimistic about the future – there is more opportunity than we tend to think
- The future is digital some will win (big) while others will lose
- The winners will focus on innovation to delight the customer and make bold moves
- The license to operate e.g. environmental performance, safety - will become more important



View the report: ttclub.com/tomorrow

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