

▶ Vessel efficiency

The perspective of an analyst

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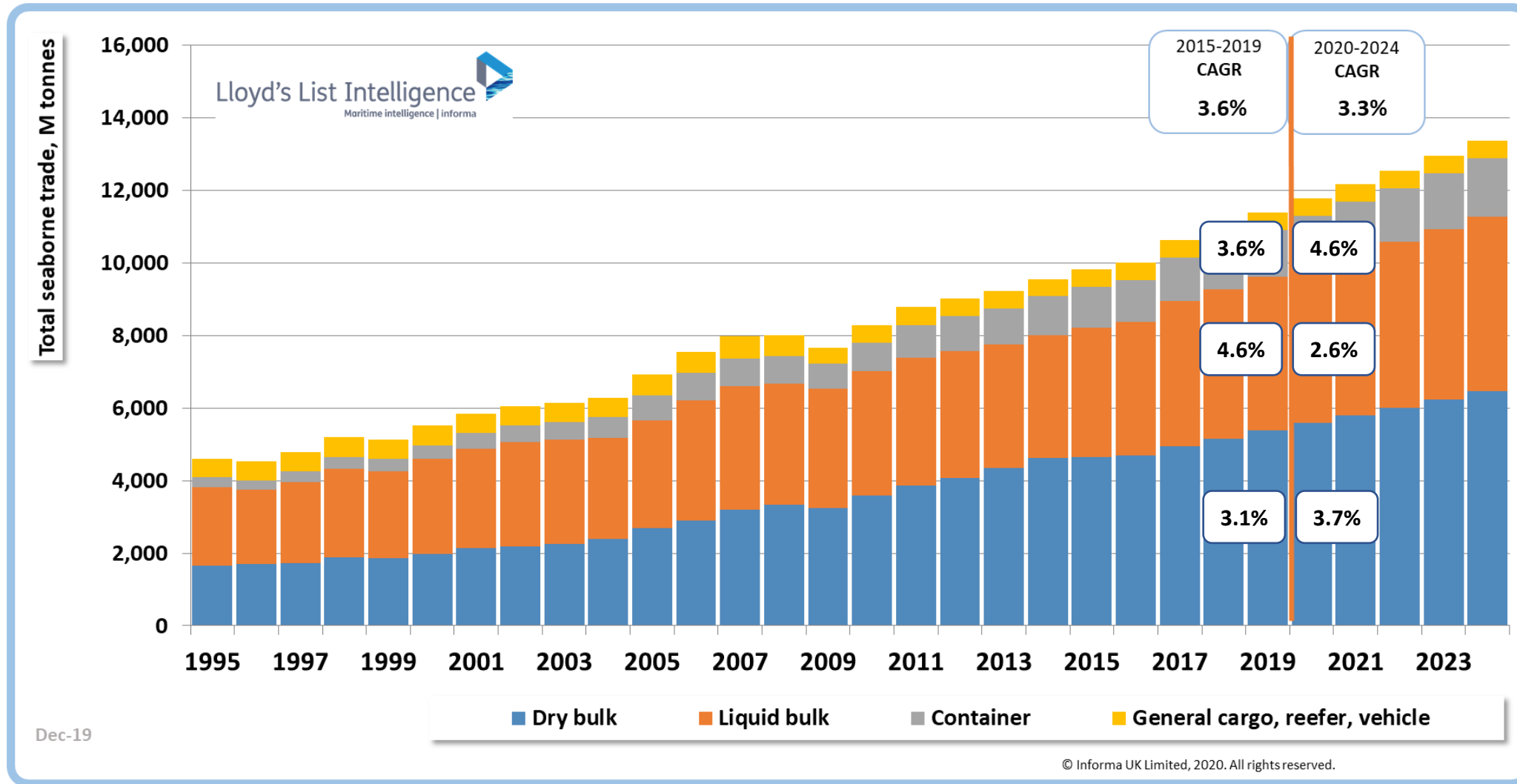
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78% of global trade is carried at sea (metric tonnes).

Liquid + dry bulk account for 84% of seaborne trade.

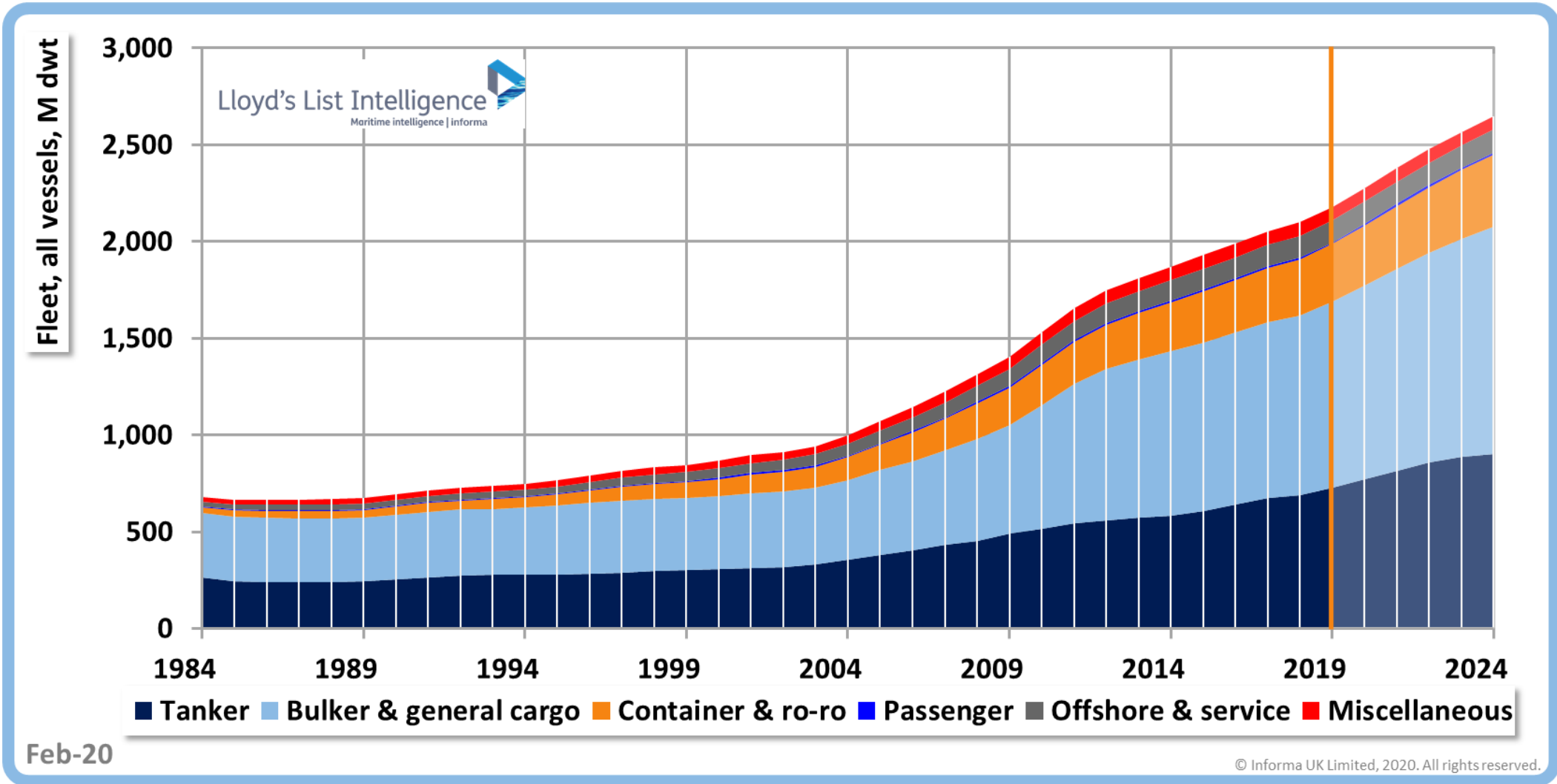


About 45%
energy
commodities

Dec-19

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The global fleet develops in line with demand!



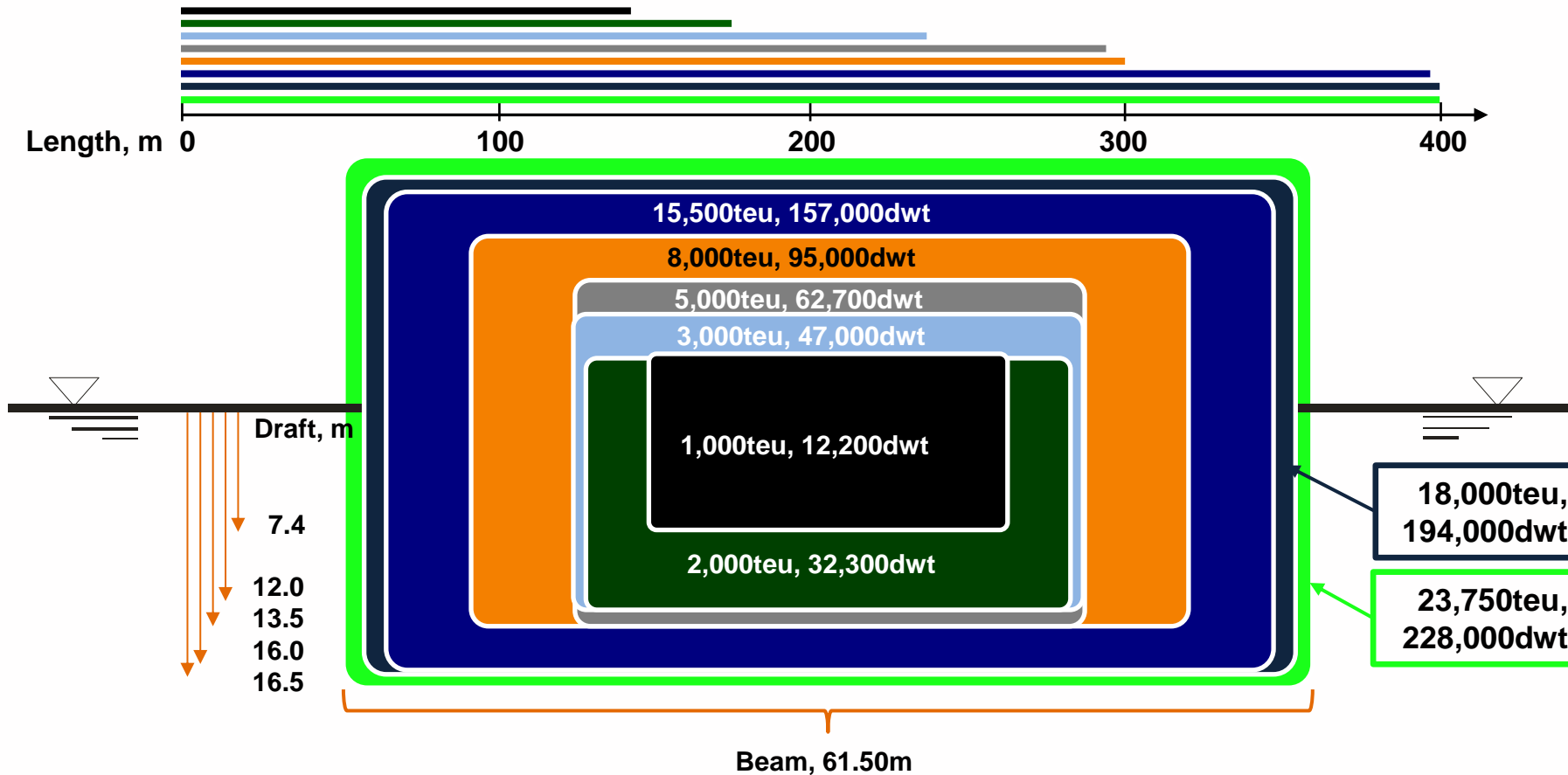
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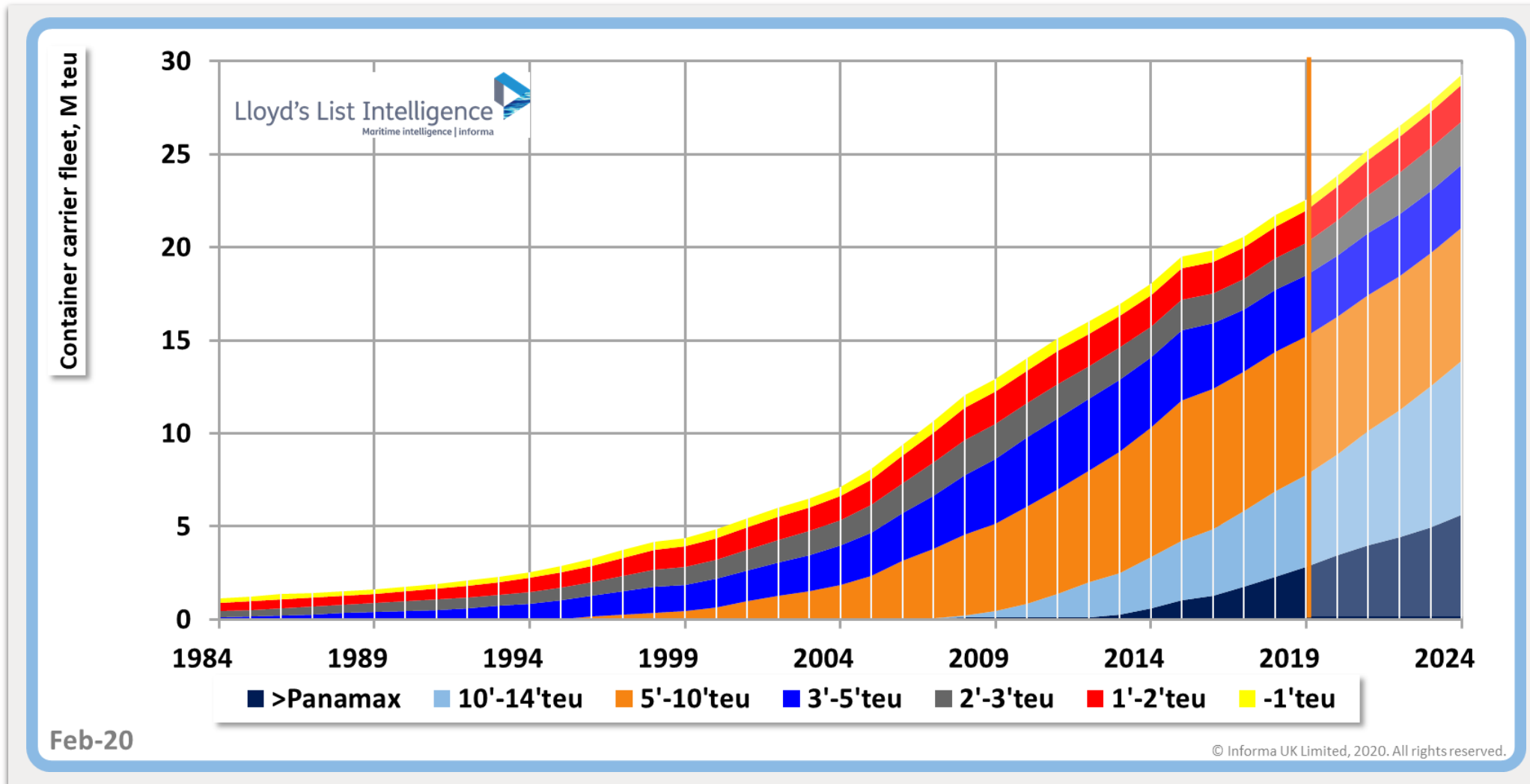
The ships have grown in all dimensions. Lately, mostly beam and loa.



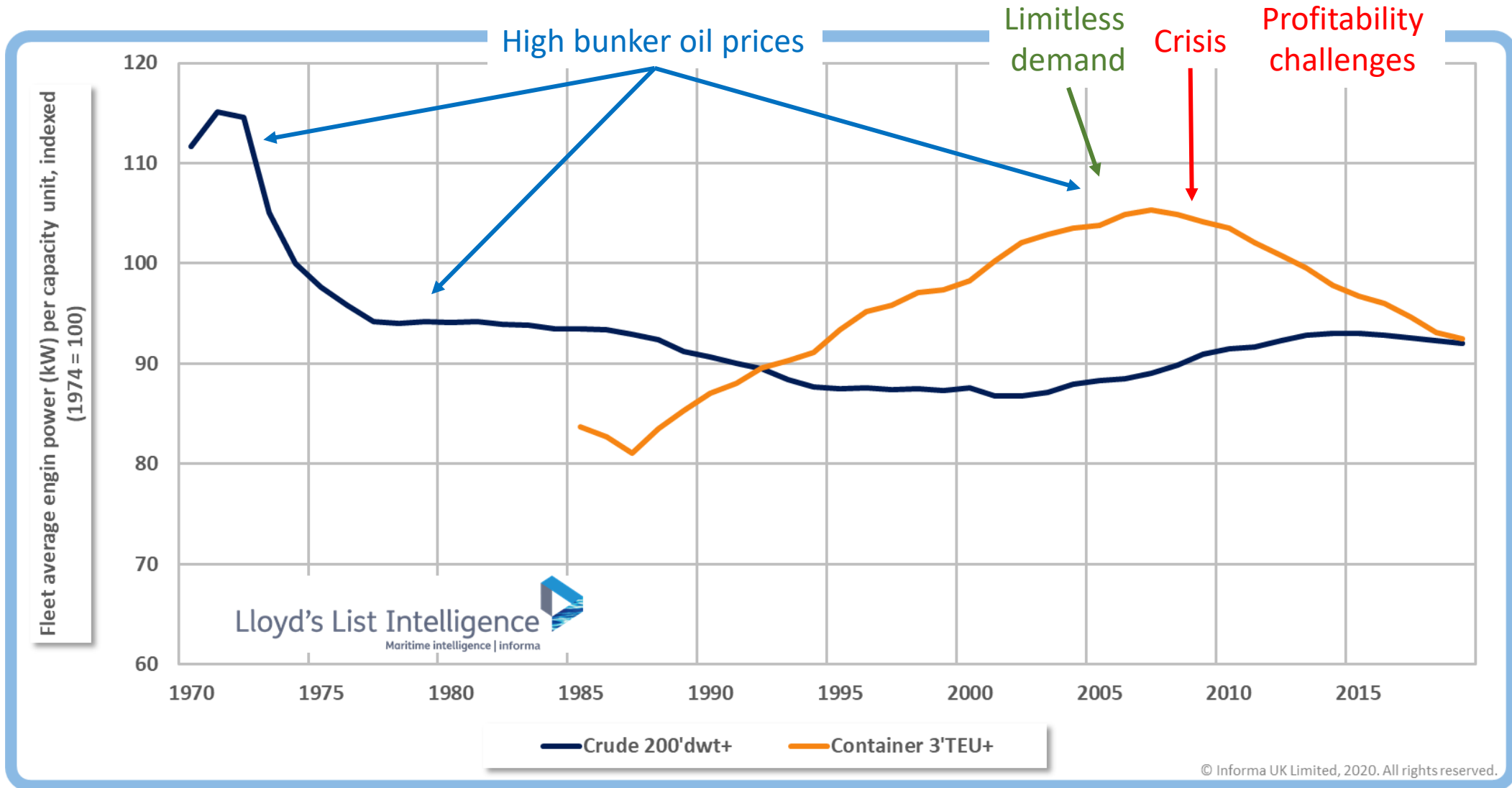
Source: Heiner Trappman



**Demand grows, supply grows faster →
Low freight rates → more cargo in boxes**



The development of installed energy power/capacity unit is a reflection of the different stages shipping demand has been through



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Key take-aways

- ▶ Key drivers for fleet change:
 - Economies of scale
 - Energy efficiency
 - Regulatory compliance
- ▶ Poor profitability hampers investments

Thank you !