

Air Cargo Market Outlook and Freighter Fleet Forecast

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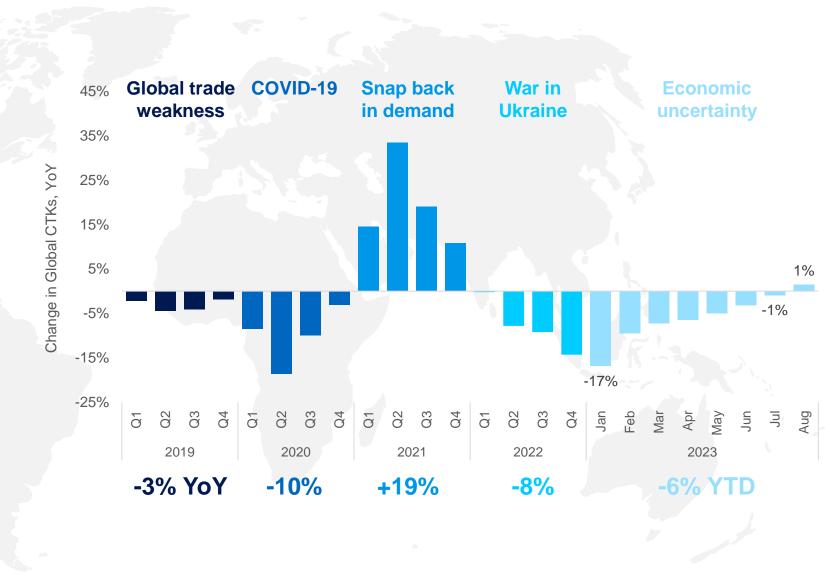
World Air Cargo Forecast

Global traffic YTD remains down vs. 2019 but bottomed out in January

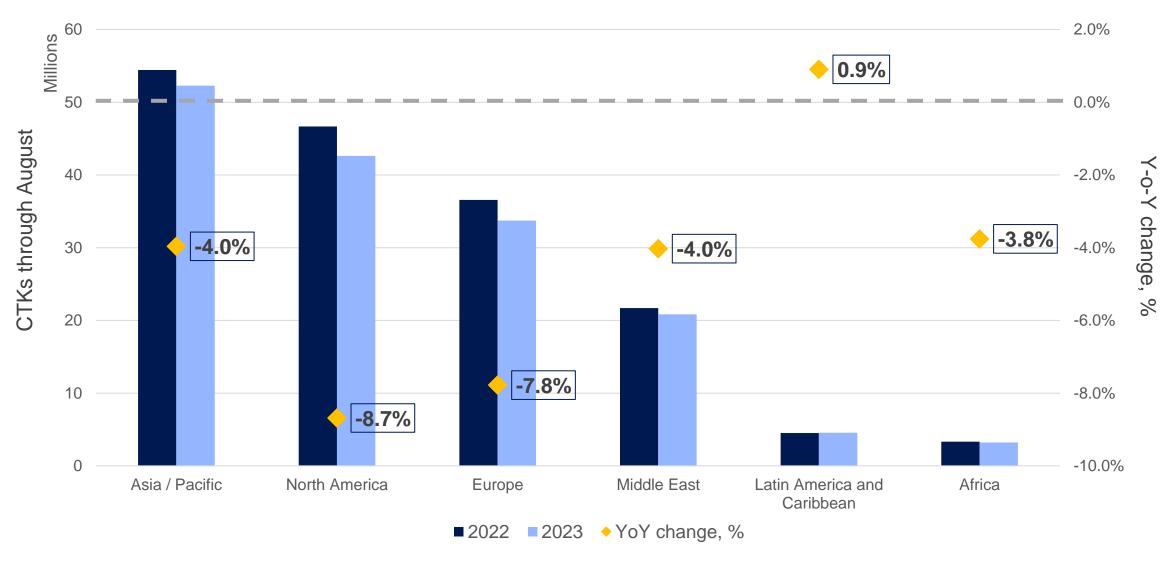
In Jan-Aug 2023, traffic was down

-5%

vs. the same period in 2019



All regions' cargo carriers, except Latin America, with lower y-o-y traffic growth YTD 2023 vs YTD 2022

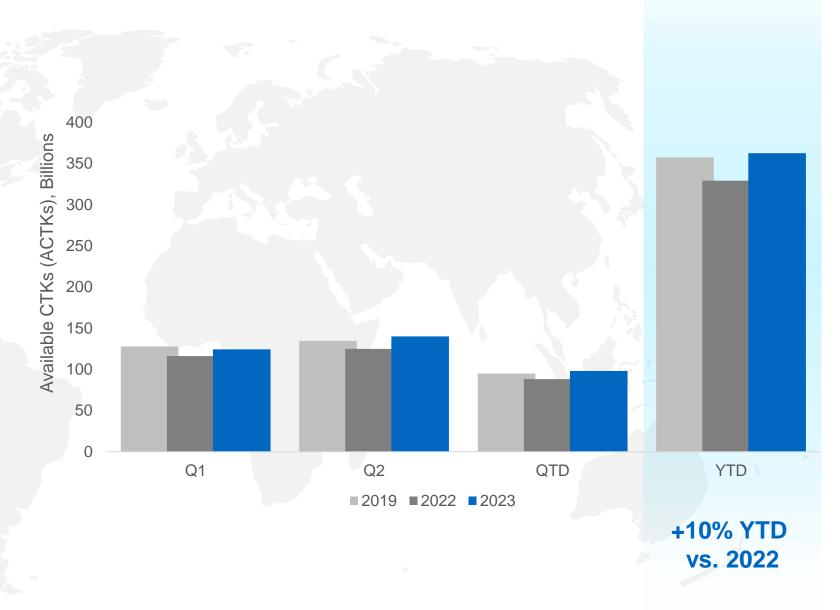


Global air cargo capacity YTD remains flat vs. 2019

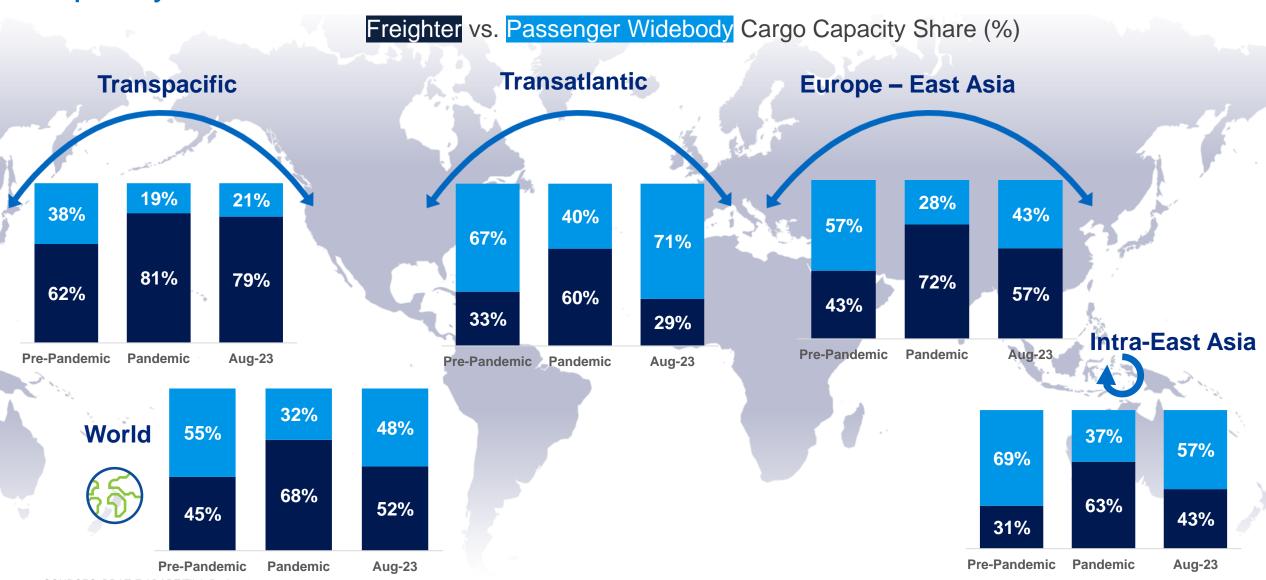
In Jan-Aug 2023, capacity was up

+1%

vs. the same period in 2019



Industry remains reliant on freighters, even as passenger widebody capacity returns

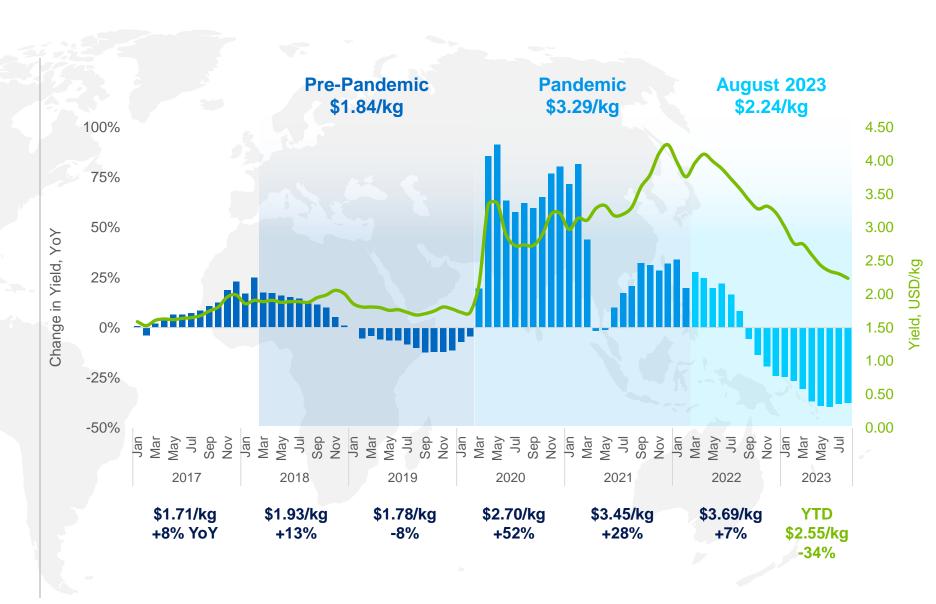


Global air cargo yields remain elevated

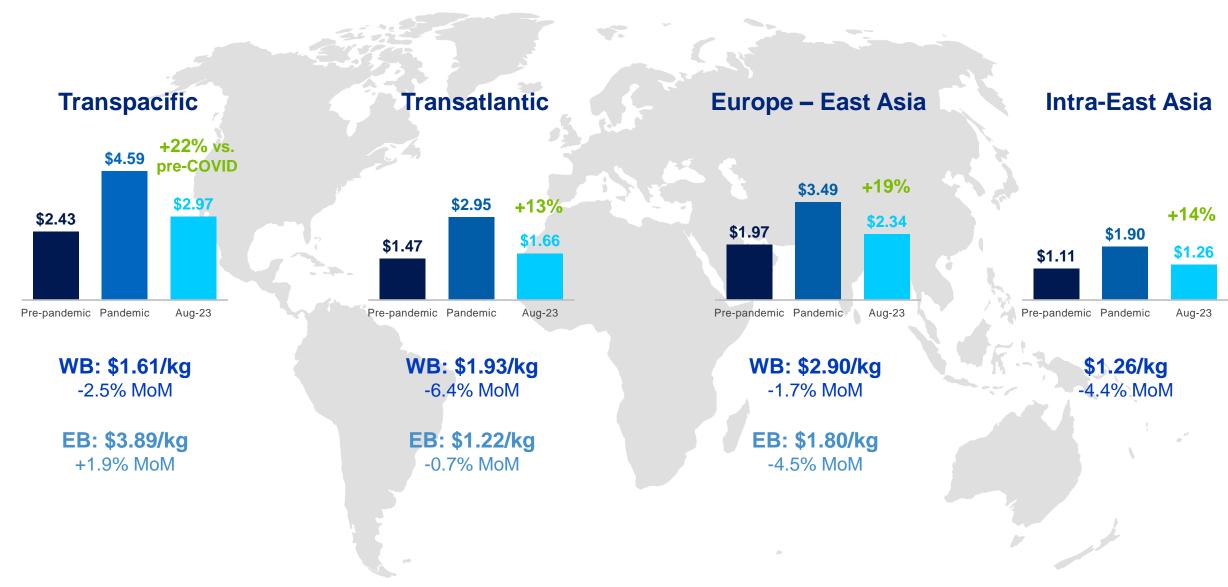
Year to date, global air cargo yields remain

39%

higher than the pre-pandemic average



Global air cargo yields vary by major flow, but remain elevated



Despite current challenges, the world air cargo market is resilient

Air cargo has grown an average of

2.7%

per year since the global financial crisis

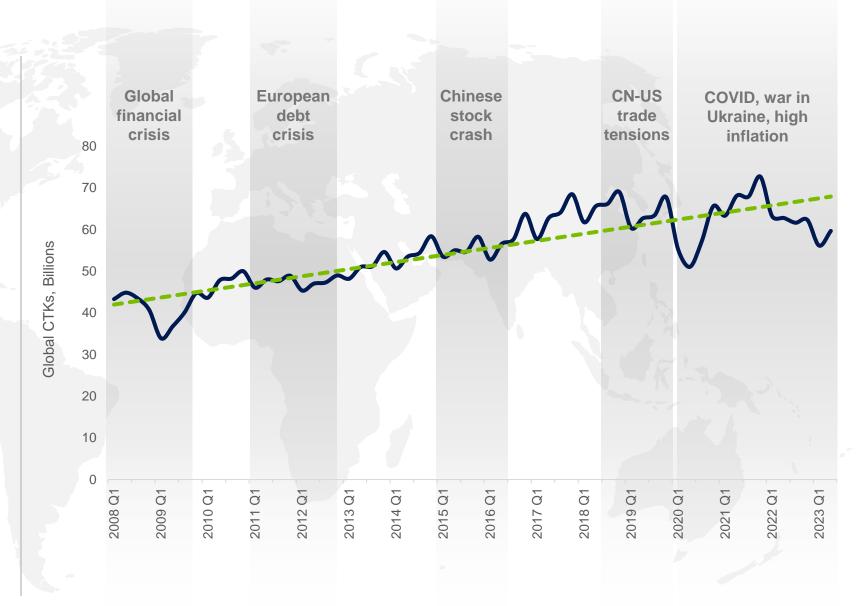




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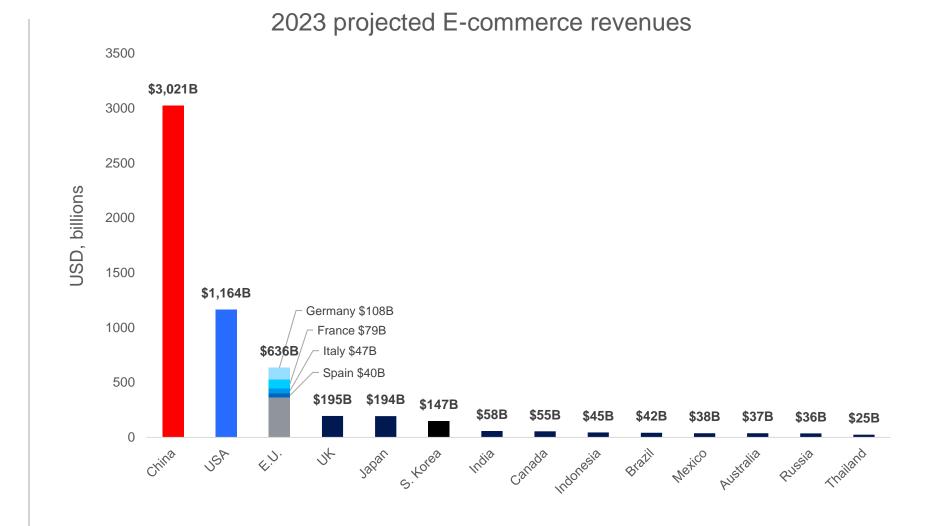
World Air Cargo Forecast

E-commerce market will continue to provide a boost to air cargo growth

China is the world's

#1

largest e-commerce market in 2023

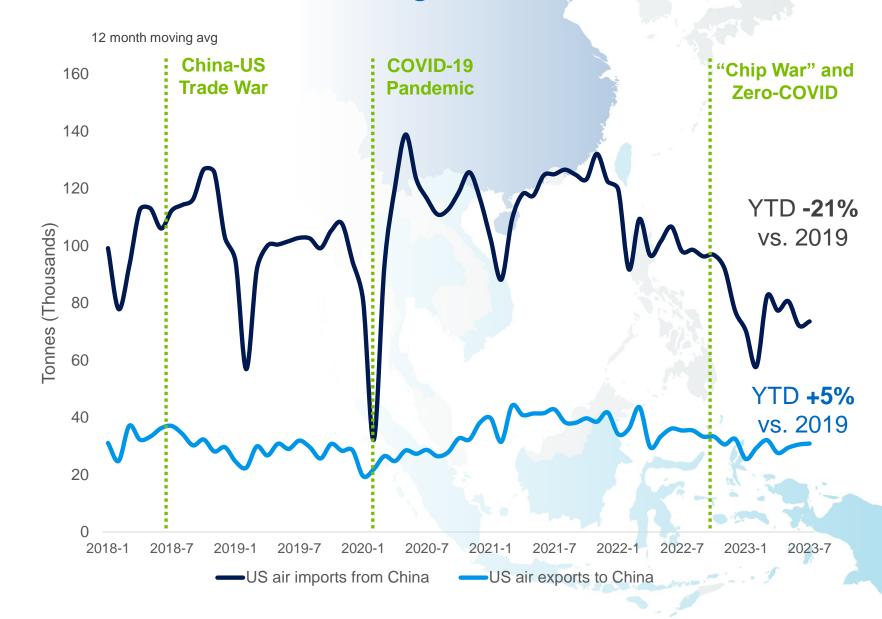


Supply chain risks impact the US-China air cargo market

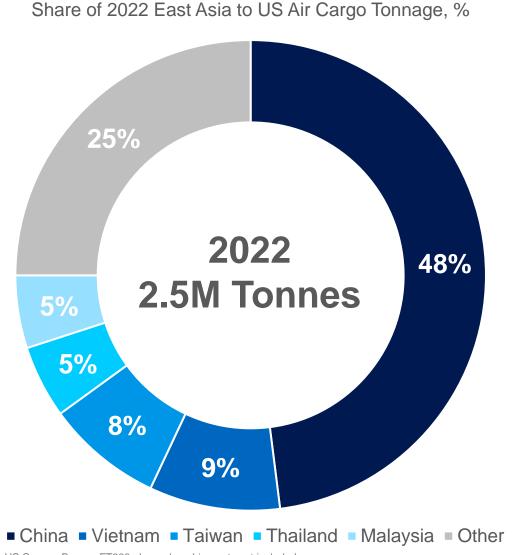
Geopolitical tensions, natural disasters, cyberattacks, and pandemics are elevating risk.

Shocks that disrupt supply chains for a month or more occur every **3.7 years** on average.

McKinsey August 2020



Diversifying supply chain strategies boosting air cargo from several East Asian countries



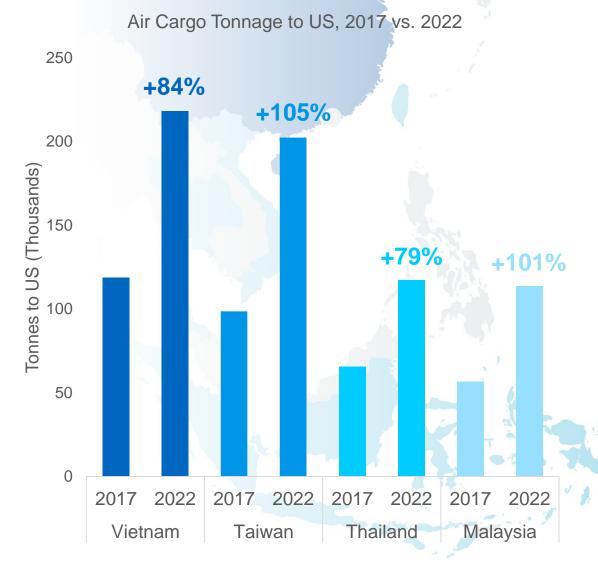




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Asian markets will lead air cargo growth over the next 20 years





2.6%World GDP

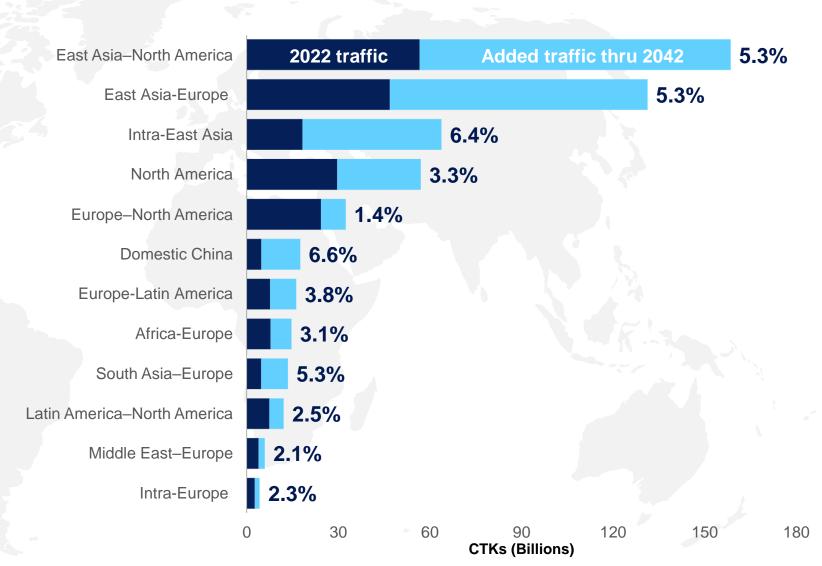


4.5% Cargo traffic



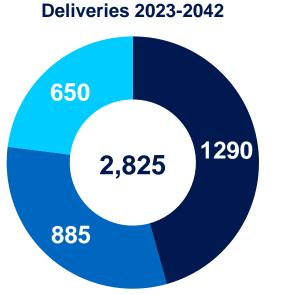
3.2% Freighter fleet



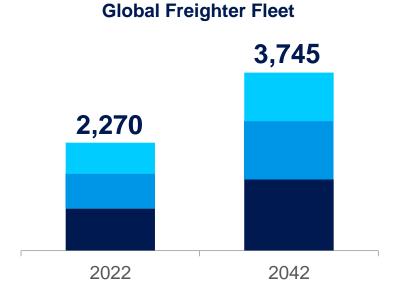


World air cargo market to demand over 2,800 freighters by 2042









Summary



- Revenues and capacity remain above pre-pandemic levels despite economic headwinds impacting traffic
- Air cargo growth expected to return in 2024
- Fleet renewal, supply chain diversification and e-commerce growth continue to boost long-term freighter demand
- Over 2,800 new and converted freighters will be needed by 2042

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