Schiphol Group: 440k ATM cap and potential air cargo implications



March 2023

Final presentation





Impact of Air Transport Movements (ATMs) cap on Schiphol air cargo traffic



Reducing 2030 schiphol air cargo traffic by

-29%

vs 2021



Utilization of warehouse capacity

~50%



Ripple effects

identified which potentially reduce cargo traffic even further in 2030

Executive summary

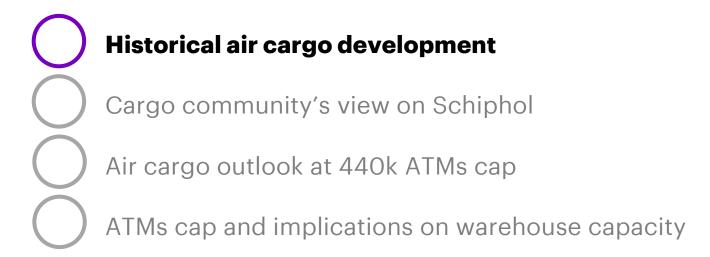
Cargo operations at Schiphol are expected to be **impacted** disproportionally by the limitation of the annual ATMs at schiphol to **440K**

The findings enable future air cargo operations **strategic planning** for air cargo **stakeholders** and **policymakers**

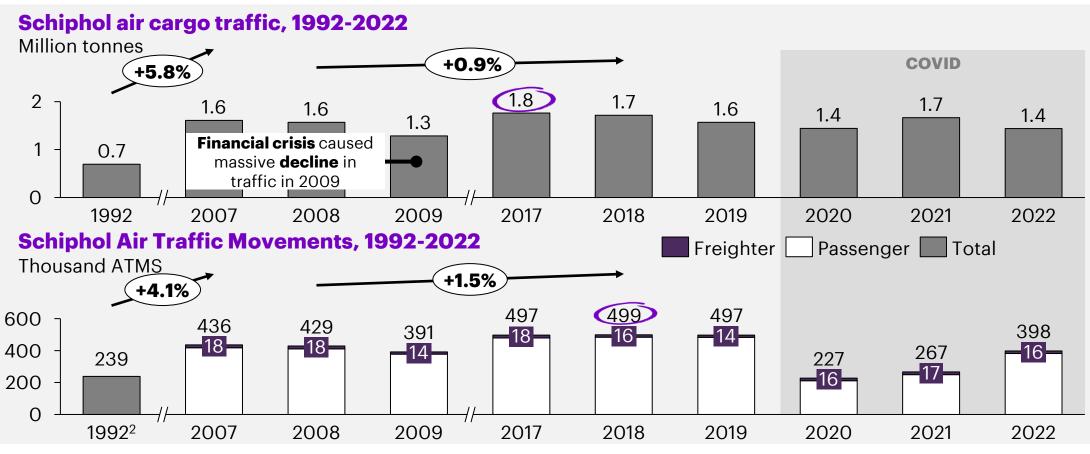
9 key findings of the study impacting various stakeholders of the air cargo community are summarized below:

- A cap on 440k ATMs will likely result in a -29% traffic drop in 2030 compared to 2021, up to -46% in a pessimistic scenario; freighter traffic is expected to be impacted most significantly (-60%)
- Far East and Middle East inbound trade lanes expected to be most severely constrained when introducing ATM caps
- High tech (especially from inbound Far East), raw materials and machinery parts commodity volumes expected to be impacted most in terms of tonnage
- The Netherlands air trade will become more important for Schiphol, but Schiphol will become less important as main gateway to carry Netherlands air trade
- Within trucking distance of Schiphol, well-connected alternative air cargo gateways exist to carry cargo volumes which cannot be accommodated at Schiphol
- Ripple effects can severely impact Schiphol's 2030 air cargo traffic outlook up to a total of ~130-210K traffic tonnes
- **Excess handling warehouse** capacity at Schiphol will grow, as **only half** of the warehouse capacity is expected to be utilized in 2030
- Relocation of Dutch shippers unlikely as a result from the 440k ATM cap
- Cross-border trucking will reduce for The Netherlands, but a 440k ATMs cap likely to drive an increase at the European level



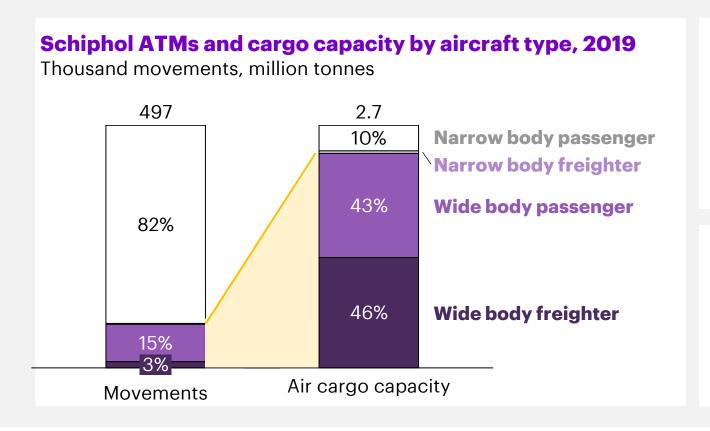


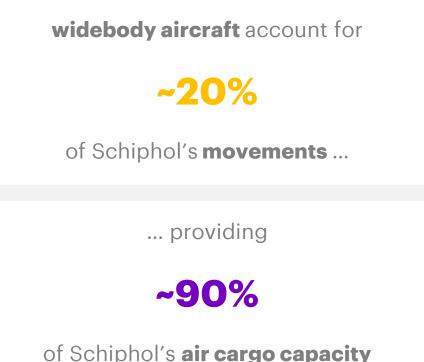
Pre-financial crisis cargo traffic and ATM¹ growth at Schiphol was significant, post-financial crisis it has been relatively flat



In 2017, Schiphol was operating at peak cargo traffic throughput of 1.8M tonnes with ~18k freighter ATMs, while operating close to 500k ATMs limit

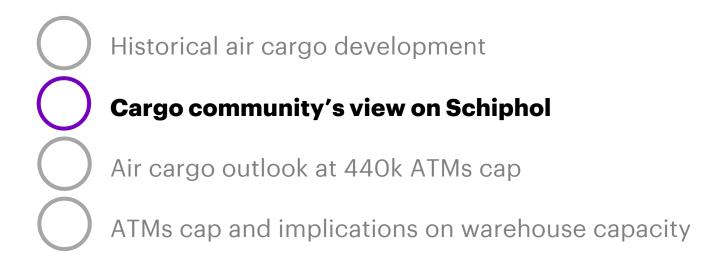
Schiphol's air cargo capacity is heavily reliant on a limited number of widebody aircraft movements



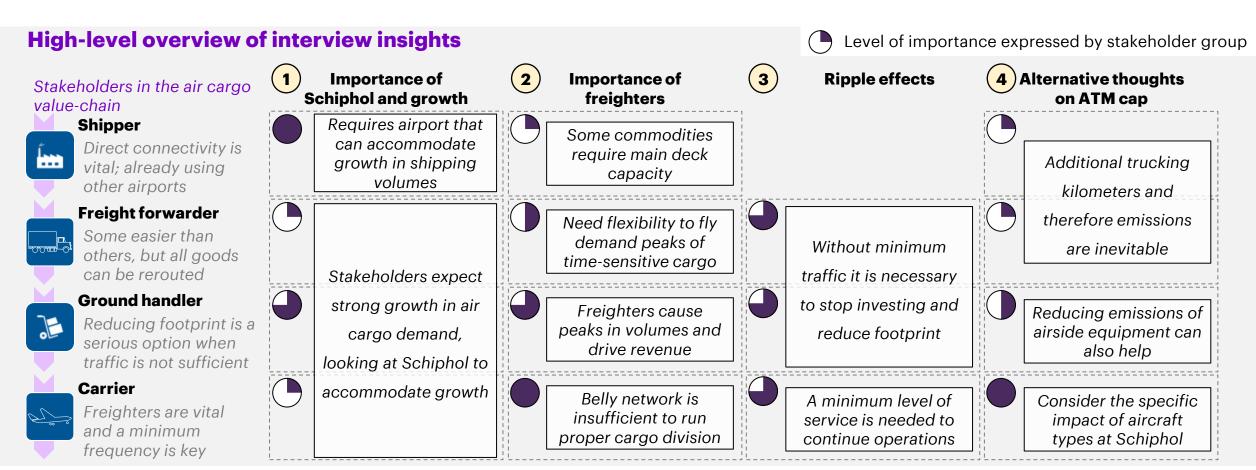


Allocation of 60k ATMs reduction over aircraft types is crucial for Schiphol's air cargo capacity outlook



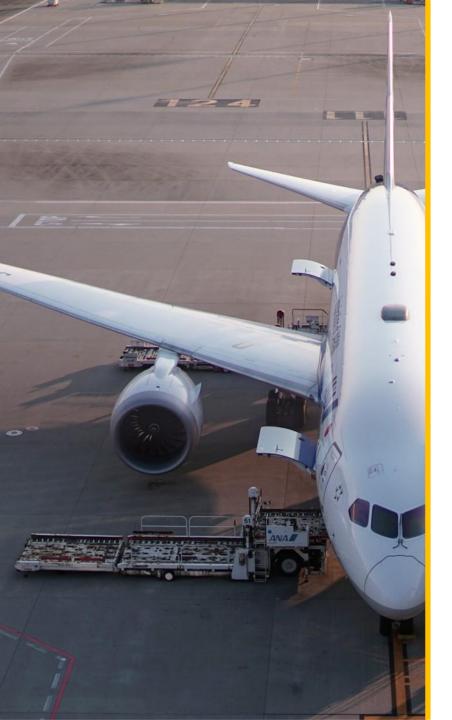


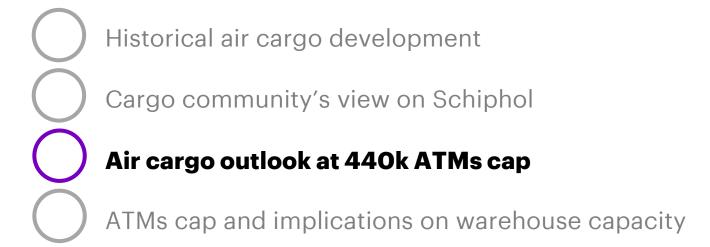
All stakeholders recognize the importance of Schiphol as a major enabler for air cargo trade growth in Europe



Freighters are perceived crucial in supporting the cargo industry at Schiphol









Reducing ATMs by -12% to 440k affects air cargo at Schiphol disproportionally, up to -18% in 2030

Expected difference between 500k and 440k ATMs¹ cap scenario in 2030F

Air Transport Movements





Air Cargo Traffic

Total

-12% (-60k)

-450k

-18% (-245k)

Freighter

-41%

-420k

(-41%)

-40%

(-260k)

Widebody belly

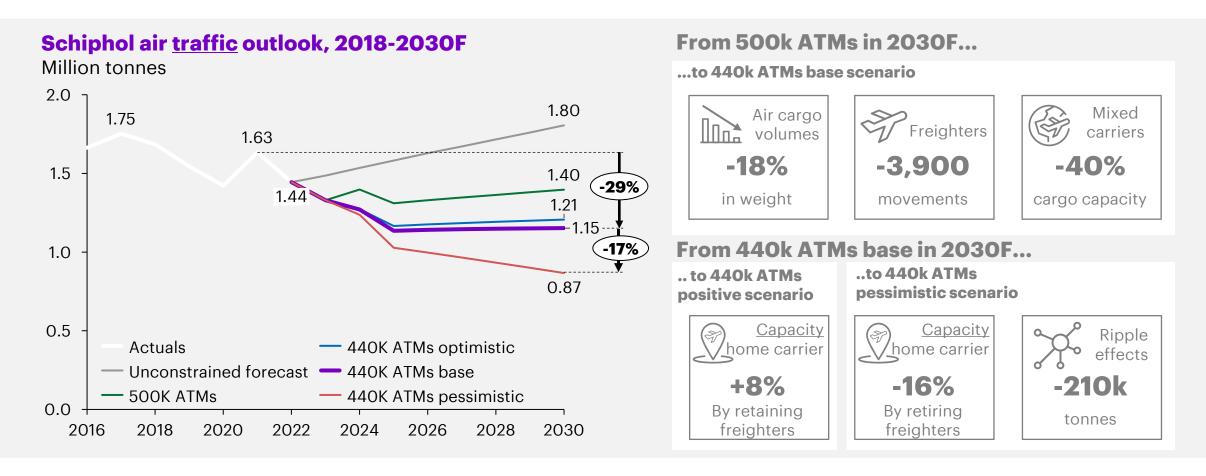
-2% (-2k) -30k

(-2%)

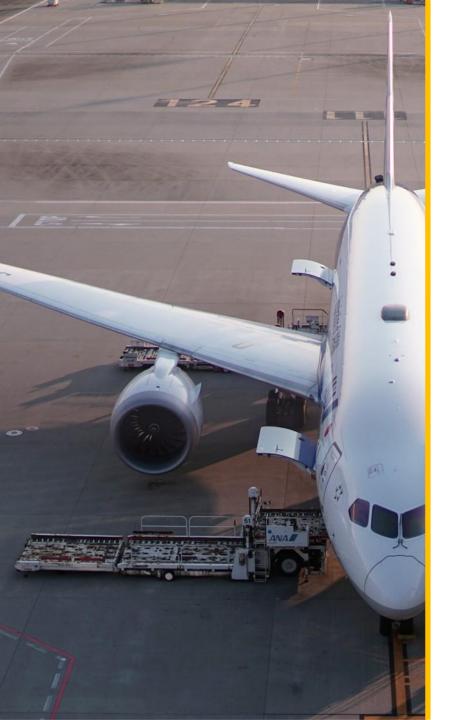
+2% (+20k)

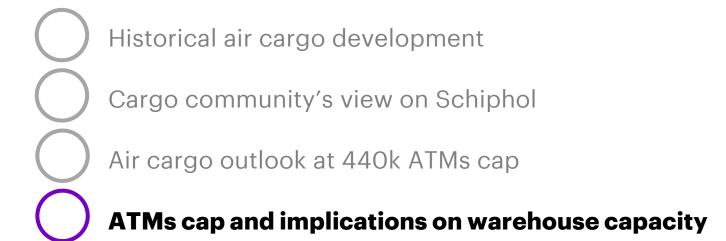
Note: the expected impact on air cargo in 2030 is derived from comparing Schiphol's air cargo forecast at the current capacity of 500k ATMs per year, with the forecast at a reduced capacity of 440k ATMs per year; 1) Based on the 440k ATM <u>base</u> forecast scenario, Source: Seabury Cargo analysis

A 440k ATMS cap will likely result in a -29% traffic drop in 2030 compared to 2021, up to -46% in a pessimistic scenario

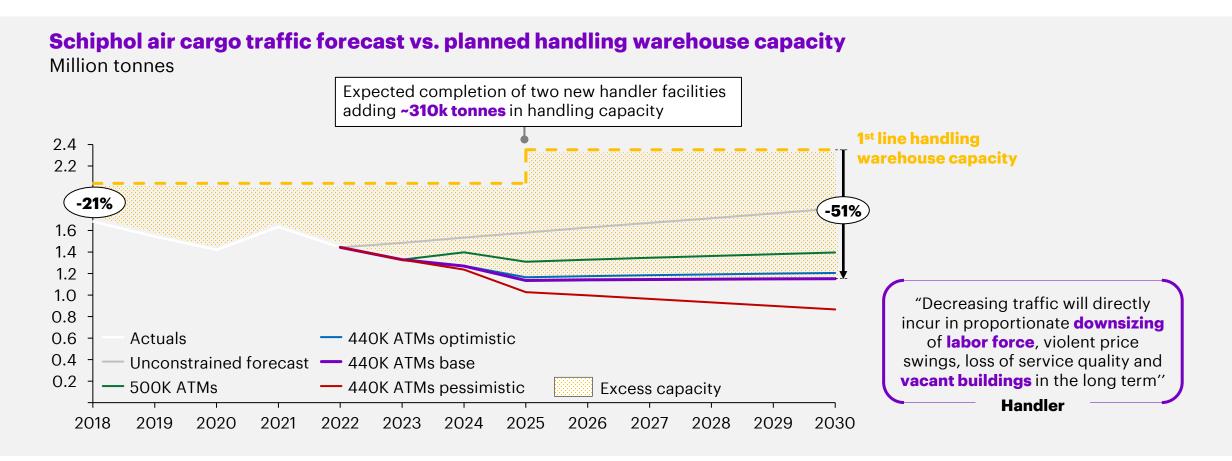


2030F base scenario outlook of 1.15M tonnes is well below the 1.75M peak in 2017





Excess handling warehouse capacity at Schiphol will grow; only half of capacity expected to be utilized in 2030



Cargo handling facilities may be forced to downsize as a response