# Designing Hubs: Market Outlook, Opportunities and Challenges

#### Sukru Nenem

Strategic Planning and Investments Manager Turkish Airlines Inc.

and

1st Year Phd Candidate, University of Westminster

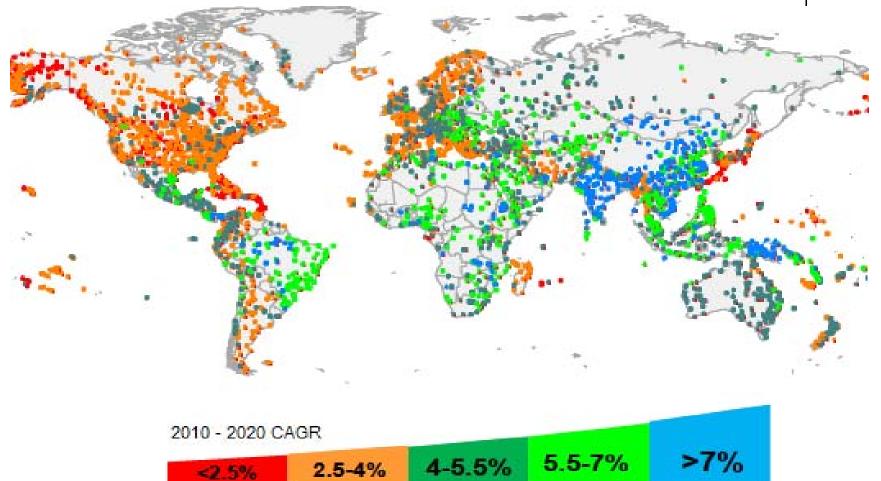
mnenem@thy.com s.nenem@my.westminster.ac.uk

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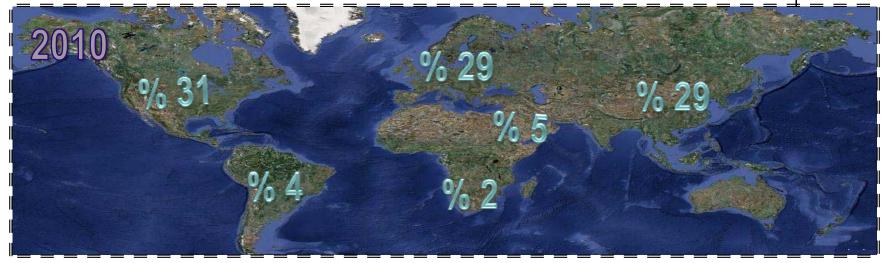
# **Larger Growth in the East**





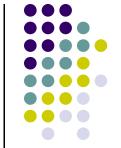
# **Gravity is Shifting!**

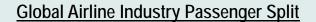


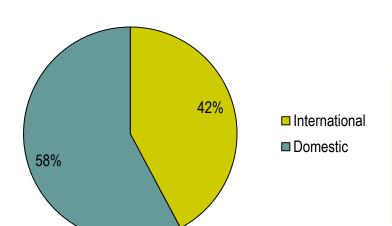












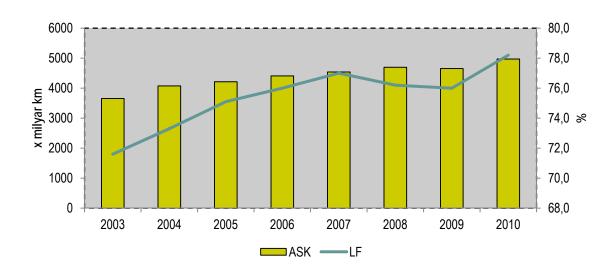
+0,6

Annual average point Load Factor increase since 2003

- Recent expansion in capacity comes with the concerns regarding overcapacity.
- Since 2005, RPK growth has been faster than ASK growth which indeed increased the average load factors by approximately half percent annually.

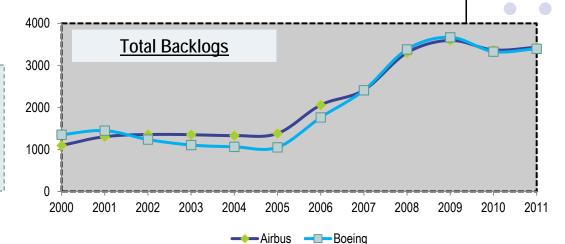
% 2,7
ASK increase since 2005 (CAGR)

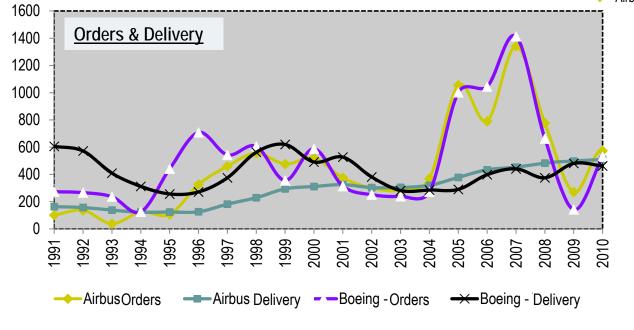
% 3,3
RPK increase since 2005 (CAGR)



### **Aircraft Order & Deliveries**

- More orders observed 2006 2008
- Narrow bodies compose 2/3 of the overall orders.
- Super wide bodies, new NEO type aircraft and growing market's orders have pumped up the orders.





%62
Backlogs @ Boeing

%68
Backlogs @ Airbus

# Future Trends / De-hubbing?



#### Being a commodity:

- \* Decreasing cost of production
- \* Increasing per capita income
- \* Increasing demand for travelling

More local demand :

- \* Faster increase in short haul travel demand
- \* Price sensitive markets
- \* Increasing charter & off-schedule ops.

1/2

Average per capita trip per year is still around 0.5

63%

Narrow Body Aircraft % (Overall indr., 2010)

**>** 70%

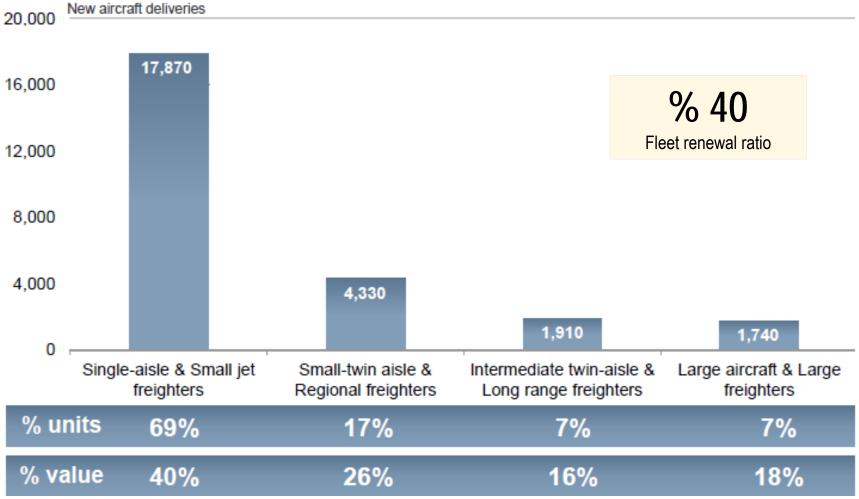
Narrow Body Aircraft % (Overall indr., 2020)

Increasing Demand for Narrow Bodies:

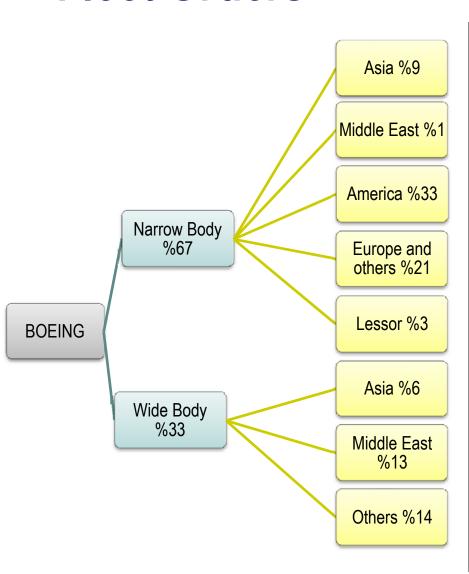
- \* Cheaper operation despite increas. costs
- \* Profitable low cost ops
- \* New generation narrow bodies
- \* Market liberalization

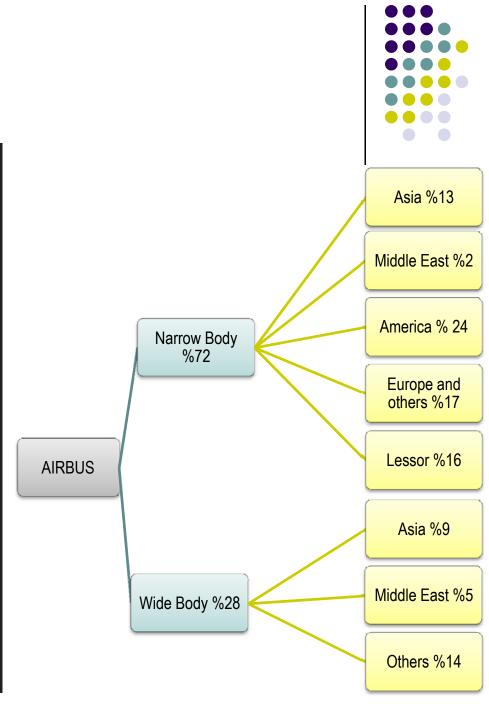






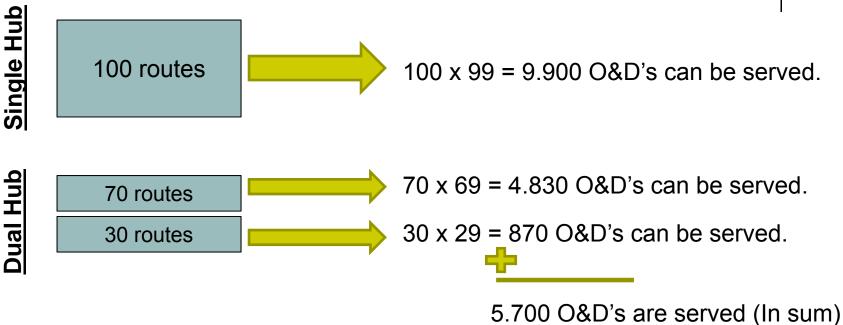
#### Fleet Orders









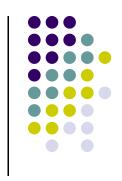


- By transferring <u>30%</u> of the routes (operations) to a secondary hub, <u>42%</u> of the connections are lost.
- Transferring to a secondary hub is optimal if and only if 100 routes are connected to less than 57 destinations only. (when assummed that dual hub alternative enables full connection.)



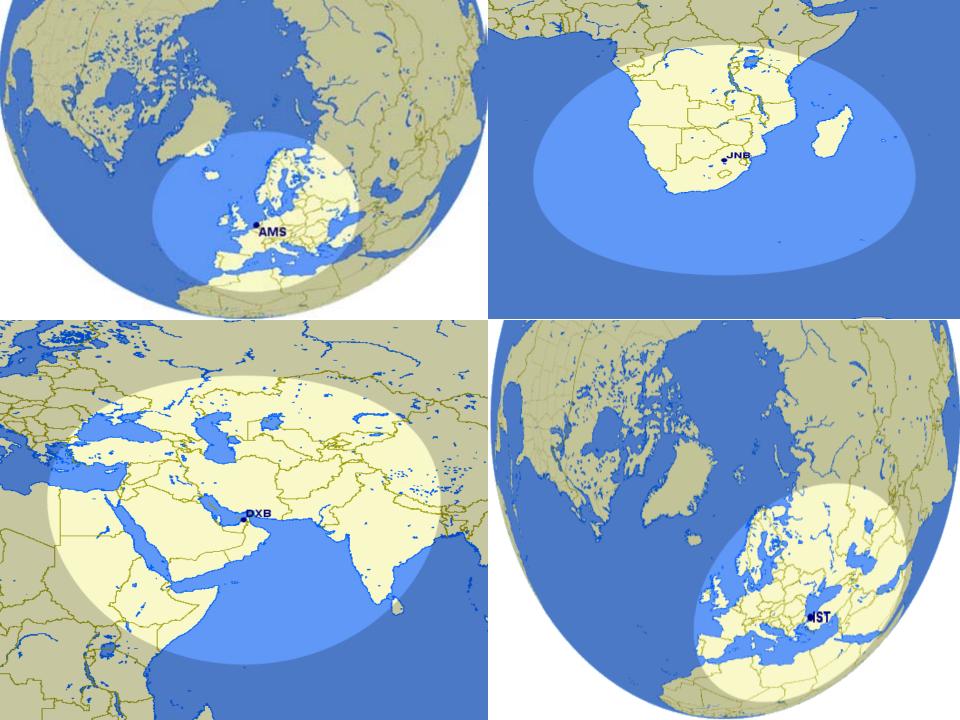
### For a strong hub ...

- Geogprahical advantage is a must.
- Strong demand flow should surround the hub.
- Local demand of the home market provides significant advantage.
- Technical infrastructure and the capacity of the airport needs to be sufficient enough to accommodate the demand. (and of course service quality!)
- A hub candidate airport can never become a real hub without a large enough airline using it as the base of its operations.

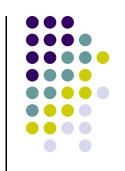


The nature of hubs have a slightly different nature in the western part of the Atlantic.

Due to the huge domestic traffic in the US and the different business models of the airlines, we observe a quite different nature of hubs there.

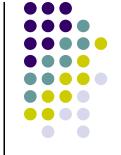


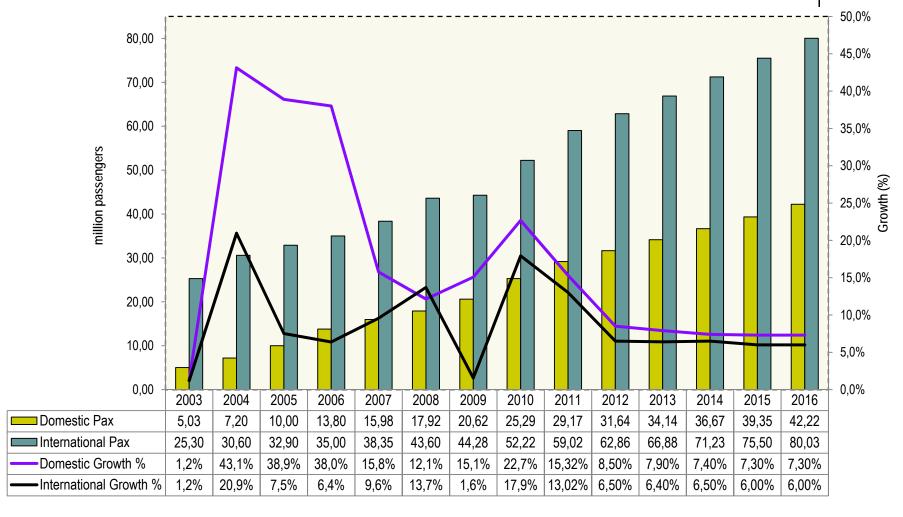




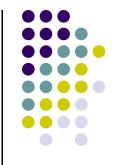
Country	Population (million)	# Int. Passengers	# Dom. Passengers
UK	~ 62	164.2	24.2
The Netherlands	~ 16	44.6	N/A
France	~ 65	91.9	21.3
Germany	~ 82	137.9	26.0
Austria	~ 8	22.0	N/A
Turkey	~ 74	31.4	15.3
Qatar	~ 2	15.2	N/A
UAE	~ 9	57.5	N/A
China	~ 1.345	59.5	243.6
India	~ 1.214	34.0	47.3
Singapore	~ 5	38.7	N/A
Australia	~ 23	25.7	51.9

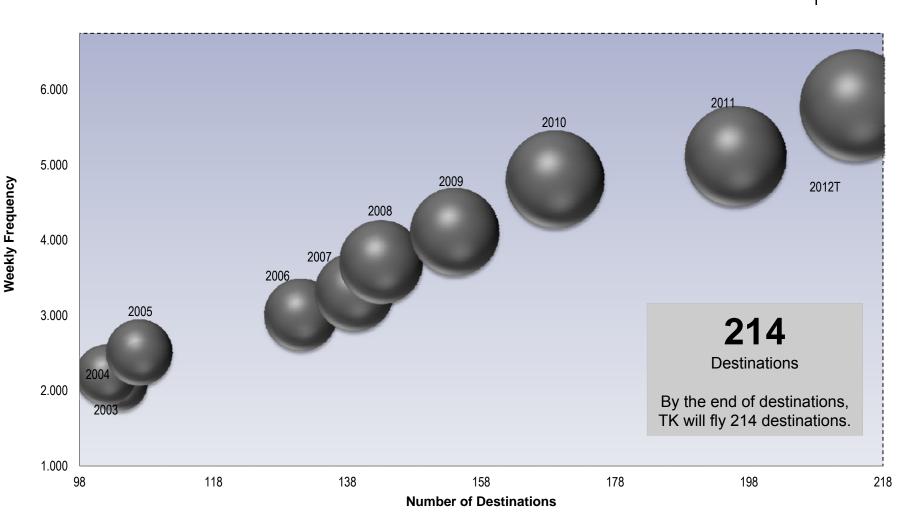
# Case: Turkey Pax Figures





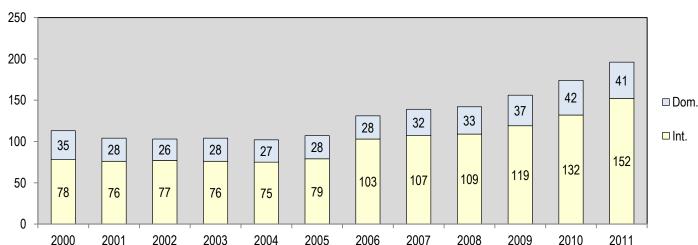
### **TK – Network Development**

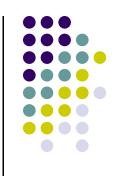






#### **Destinations**





Abidjan Kano Ulanbatur Bilbao

Routes to be launched

soon

Novorsbirsk

La Caruna

Misrata İsfahan

Bremen

Edinburgh

Marsilya

Leipzig

Kinshasa

**Buenos Aires** 

Oran

Krakow **Aalborg** 

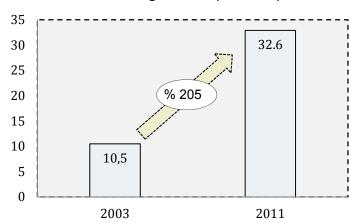
Billund

TK is one of the ten largest network owner airline of the globe



# TK Figures from 03 to 11

#### **Total Passenger Count (x million)**



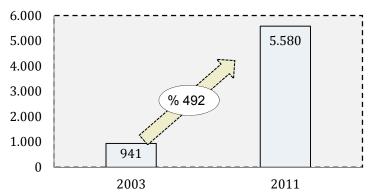


32.6

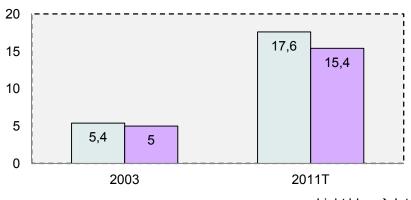
million

# of passengers by the end of 2011

#### International Transfer Pax ( x 1000)



#### International and Domestic Pax (mil.)



Light blue → Int. Pax
Purple → Dom. Pax

### Thank you for listening!

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