A380: Own the sky

January 2014
A380—Own the Sky

All around the world

All around the world
The most efficient way to grow
Network optimiser, yield booster
The best cabin in the sky
Innovation for efficiency
**A380 commercial figures**

- **304** firm orders
- **122** deliveries
- **182** order backlog

147,000 revenue flights – 1.2m flight hours and ~50m passengers carried
Key Achievements – 2013

- 13 March: 100th Aircraft delivered to MAS
- 17 June: MoU Doric for 20 A380 at Le Bourget
- 02 August: 5 year of A380 UAE Operation
- 03 July: Close Up A380 BAW
- 09 September: Maiden Flight QTR MSN137
- 26 September: Start AAR Assembly MSN 152
- 17 November: UAE 50 A380 re-order
- 02 December: Longest route DXB-LAX with UAE Daily flight

25 aircraft deliveries in 2013

- 13 x UAE
- 1 x AFR
- 2 x MAS
- 3 x THA
- 3 x BAW
- 1 x CSN
- 2 x KAL
A consistent order intake from leading airlines
...and 8 uninterrupted years of reorders.
A380 is the new flagship

11 of the top 20 international carriers ordered 264 out of 304 A380s

Source: IATA World Air Transport Statistics (WATS) 2013
122 **A380s** delivered to date

10 operators, a fleet that keeps growing

Data to end December 2013
A380 at the heart of Global Transport
(Network as of December 2013)

Source: OAG December 2013 Schedules
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The most efficient way to capture growth

Air Traffic will more than double over 15 years
The long haul market is concentrated into mega-cities
70% of the 2032 Mega-cities are slot constrained TODAY*

A380 is the most efficient solution to capture growth in a highly concentrated and congested market

* IATA World Slot Guidelines
Handling more than 10,000 long haul passengers per day ...

Long haul traffic is highly concentrated on mega-cities

Source: GMF 2013; Cities with more than 10,000 daily passengers
Long haul traffic: flight distance >2,000nm, excl. domestic traffic;
A380 connects more than 70% of today's mega-cities

Handling more than 10,000 long haul passengers per day ...

At the heart of global air transport

OAG Dec 2013
2032: 89 mega-cities

Handling more than 10,000 long haul passengers per day ...

- >50,000 daily long-haul passengers
- >20,000 daily long-haul passengers
- >10,000 daily long-haul passengers

89 Aviation Mega-cities

2.2M Daily Passengers: Long Haul traffic to/from via Mega Cities

75% of long-haul traffic on routes to/from 89 cities

99% of long-haul traffic on routes to/from via 89 cities

More mega-cities, and more concentration of traffic between them

Source: GMF 2013; Cities with more than 10,000 daily passengers
Long haul traffic: flight distance >2,000nm, excl. domestic traffic;
Airport slots are a scarce resource today

Of the 89 Mega-cities in 2032, 70% are already congested today

Airport infrastructure cannot keep-up with traffic growth

IATA World Scheduling Guidelines: Level 2 & 3 at primary city airport
Slot value in congested airports

DID YOU KNOW?

Heathrow:
- Continental paid $300m for 4 daily slots
- Etihad paid $70m for 3 daily slots

More than 150 airports in the world have demand for runway and gate access that exceed their capacity.

The A380 is the obvious way to leverage valuable and scarce slots
Average aircraft size has continually increased over the last 20 years

The average capacity per flight has grown by 30% in the last 20-years

Source: OAG (September data), Airbus Market Research and Forecasts
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Airlines know the pulling-power of the A380

A380 is the only aircraft highlighted in airline on-line booking systems
Scheduling the right capacity at the right time

**Asia to Europe**

Deploy A380 capacity at times of highest demand and yield

Night flights: +8% yield premium

Source: OAG – September 2012 Schedules
Concentration of flights between mega-cities

Source: OAG – December 2013 Schedules

Slot and time zone constraints drive frequency concentration
The A380 is the most efficient solution for growth
The best cabin in the sky

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A380 – the best cabin in the sky

- Advanced temperature control
- High relative humidity
- Comfortable cabin altitude
- Low velocity cabin air

The quietest, smoothest cabin
The widest ever Main Deck cabin
The widest economy class seat
Widebody comfort on Upper Deck
More stowage volume

Comfort for all classes, a universally acclaimed airline brand enhancer

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A380 – Own the Sky

Innovation for efficiency

- All around the world
- The most efficient way to grow
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- Innovation for efficiency
Superior by design: **A380** innovation for efficiency

### Weight
- New flight controls architecture dual Hydraulic/Electronic (2H/2E)
- Laser beam welding
- Composite materials (25% by weight)
- Variable Frequency electrical power generation
- Automated fuel transfer

### Drag
- State-of-the-art aerodynamics
- Active CG targeting

### Fuel Burn
- New generation high by-pass engines

Lower fuel burn, higher reliability, lower maintenance costs
A380 Continuous improvement

Principle improvements since EIS

- Improved SFC*
- Trent 900
- GP 7000
- +8t payload
- +500nm
- New Design Weights
- Aircraft weight reduction
- Wing twist
- -1% Fuel burn

Improving the passenger’s favourite airliner

SFC = Specific Fuel Consumption

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A380 – the lowest cost per seat

Relative cash operating cost per seat, 6000nm sector

-10% -5% 0% 5% 10% 15% 20% 25% 30%

A380 525 seats UDCCR
A380 558 seats LDCCR
747-400 370 seats
747-8 405 seats
777-300ER 305 seats

The lowest unit costs, with no compromise on comfort

Airbus standard 3-class layouts
UDCCR: Upper deck cabin crew rest
LDCCR: Lower deck cabin crew rest

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Own the sky

With the A380 the sky is yours. Maximise high-value traffic, maximise revenues, maximise slot profitability.