



Hong Kong Business Briefing Diving for Pearls

Tuesday 30th October, 2012 5.30pm - 9pm

The American Club







Hong Kong Business Briefing Diving for Pearls

Welcome Eddy Pieniazek Global Head of Consultancy





Since we last met in Hong Kong.....



.....the team has got a whole lot bigger!

New starters in Hong Kong

Adam Zhong Gary Tse Herman Ng Lukasz Pawlowski Jacqueline Feder David Zhang George Hu Dennis Lau Ken Chan Chris Keene





Building ONE business

New, simplified architecture for our combined product portfolio



Ascend is the lead brand for our advisory services and finance sector

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Fleets	Reference Market Commentaries Aircraft Programmes	Ascend Fleets
	Market Commentaries Aircraft Programmes	
Values		Ascend Values
	JP Fleets	
WAAS, JOS)	Special Bulletin Profiles	Ascend Aircraft Ratings
	Directories	Ascend Certified Valuations
s	Space Review	
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Serving you in your market





Aviation 2020 Business Briefing: Diving for Pearls



Welcome No Hiding Place – 10 issues for 2012 Eddy Pieniazek, Global Head of Consultancy

Pump it up: Asia-Pacific route development analysis Joanna Lu, Managing Consultant

Reasons to be cheerful: How does the market compare to post 9/11 Paul Sheridan, Head of Consultancy Asia

You can't always get what you want: Focus on values Eddy Pieniazek, Global Head of Consultancy

















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No Hiding Place – 10 Issues for 2012

Eddy Pieniazek Global Head of Consultancy





Airlines? Profits?

Still seeing 5.8% YoY Global RPK traffic growth

Global economy growth 2012: 3.1% 2013: 3.4%

Some US airlines have posted bumper profits in 3rd Qtr, and some have not....



Cargo

Air v Sea

Grasping at Straws World Production Processes Integrators

Belly cargo operators

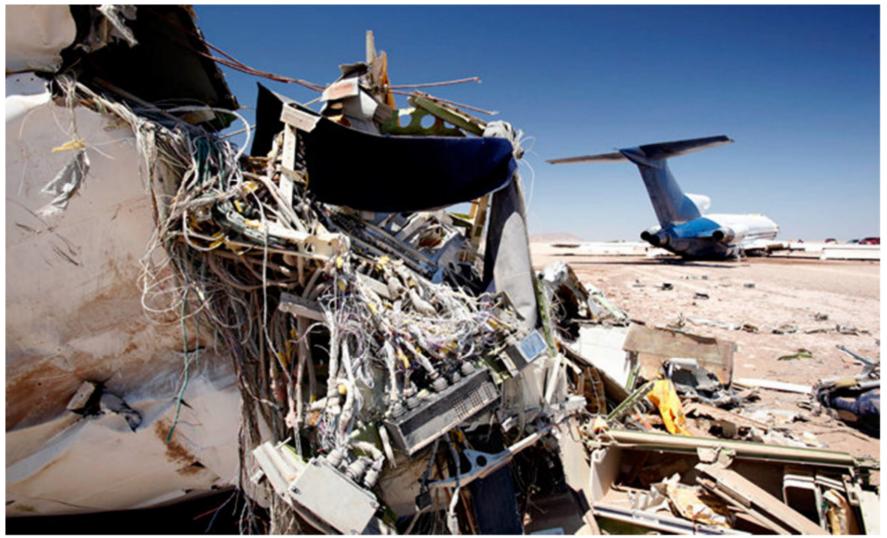
Full freighter airlines Overcapacity + peak in new widebody freighter deliveries + depressed market = ?

Ocean going tactics





The Economic / Useful Life Debate





Fuel price



Major re-alignment in Alliance Framework





Middle East





Turboprops

Fuel price drives traffic

TPs great for the 'thin stuff' – light but frequent loads

Markets are fragmented

Fascinating dilemma – markets want a 30 seater and a 90-100 seater, but no one is building (yet)





Used Aircraft – victim of 'musical chairs'

Capital still drawn to 'new' - 50% fewer used trades than anticipated

Downturn has a drawn out floor, longer than seen in last 40 years

Aircraft are being retired in increasing numbers, some earlier than anticipated.





Airbus vs. Boeing

Boeing 787, 787-9 and 787-10

Airbus A350

Airbus A380

Boeing 777-X





Low cost carriers







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Pump it Up: Asia-Pacific route development Joanna Lu, Managing Consultant





Agenda

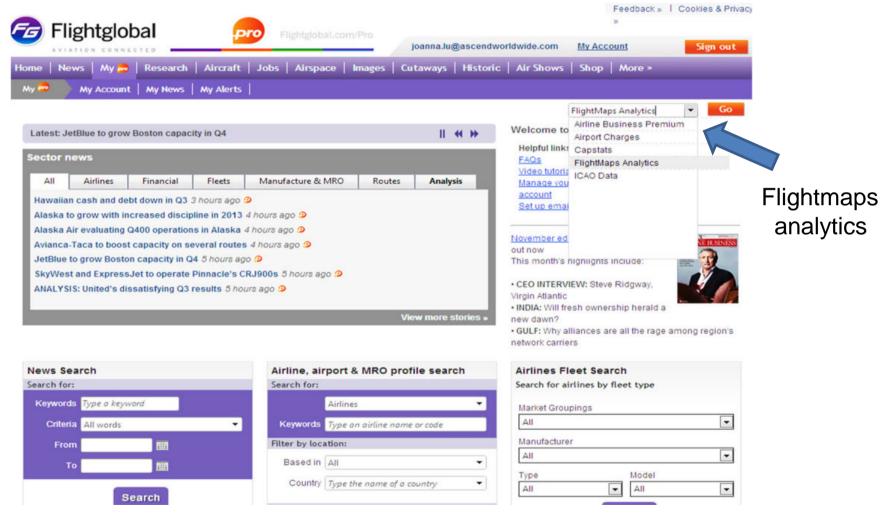
Monitoring Capacity Changes - New Tools

Recent route development in Asia Pacific market

High growth routes, airlines and aircraft use

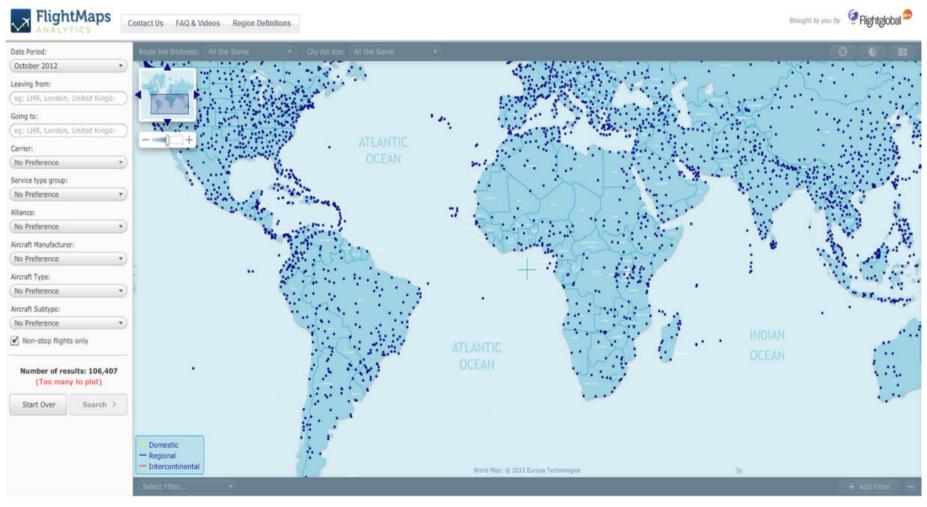


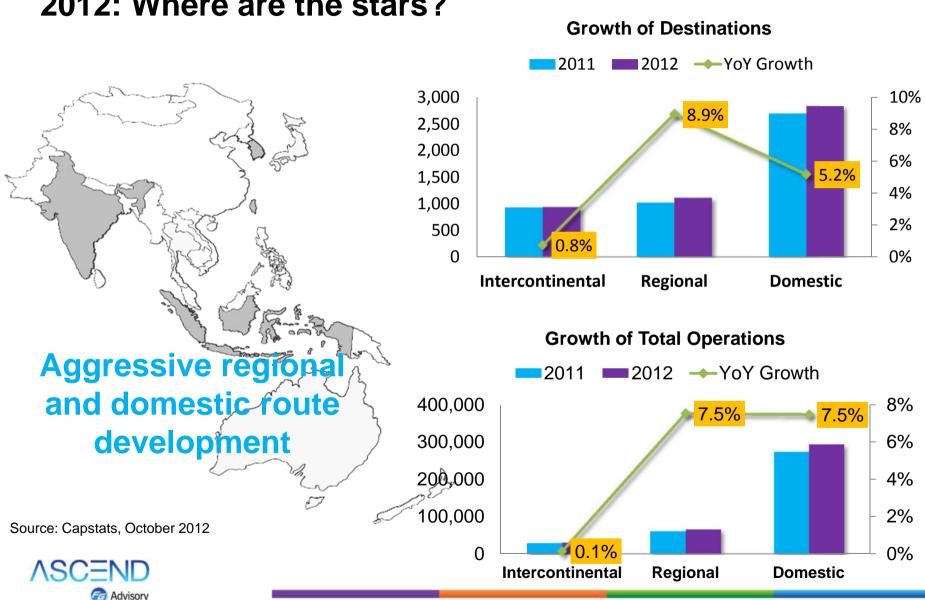
New Tools- Flightmaps analytics





Easy way to see the routes on the market





2012: Where are the stars?

All countries have had decent expansion on regional routes

Aircraft Seats Share Oct 2012

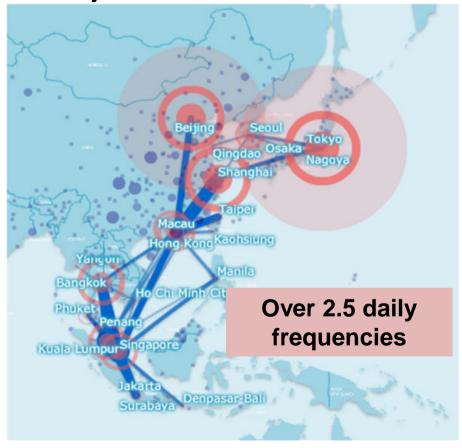


Sweet spot: Major hub city pairs

Top 10 high growth country pairs in 2012



Major intra-Asia routes in 2012





Cross-strait flights trigger the incremental demands on regional routes



24%

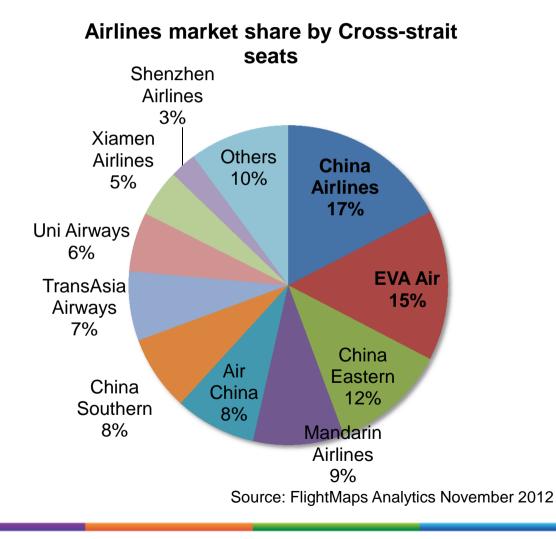
0%

Source: FlightMaps Analytics November 2012

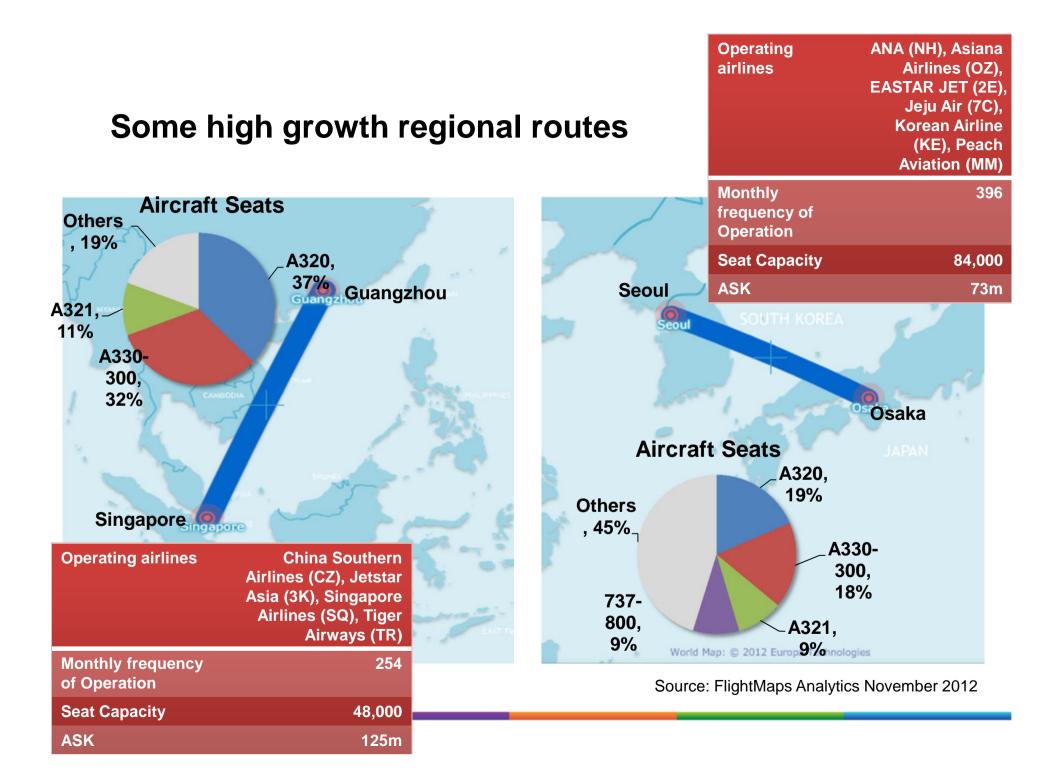
C Advisory

Airlines benefit from the new Cross-strait flights pattern

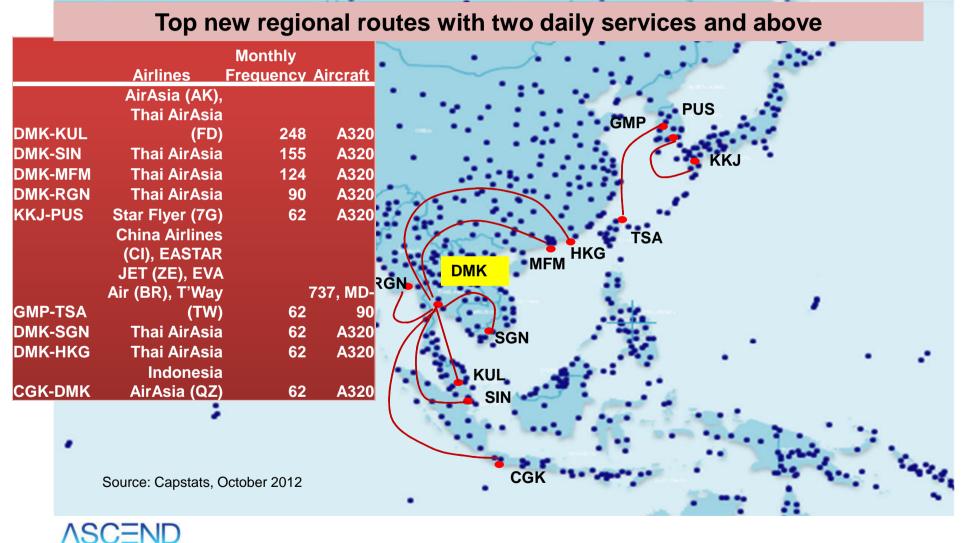
Taiwanese airlines have been benefiting more from the Cross-strait flights; they provide more than 54% of the total seats in the crossstrait routes.





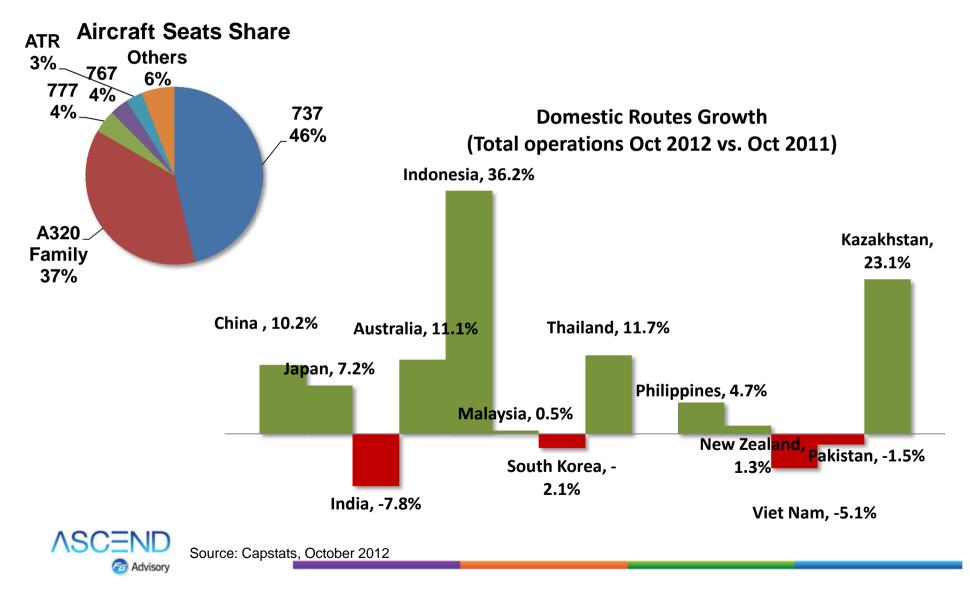


Thai AirAsia and its A320 dominates the new regional routes

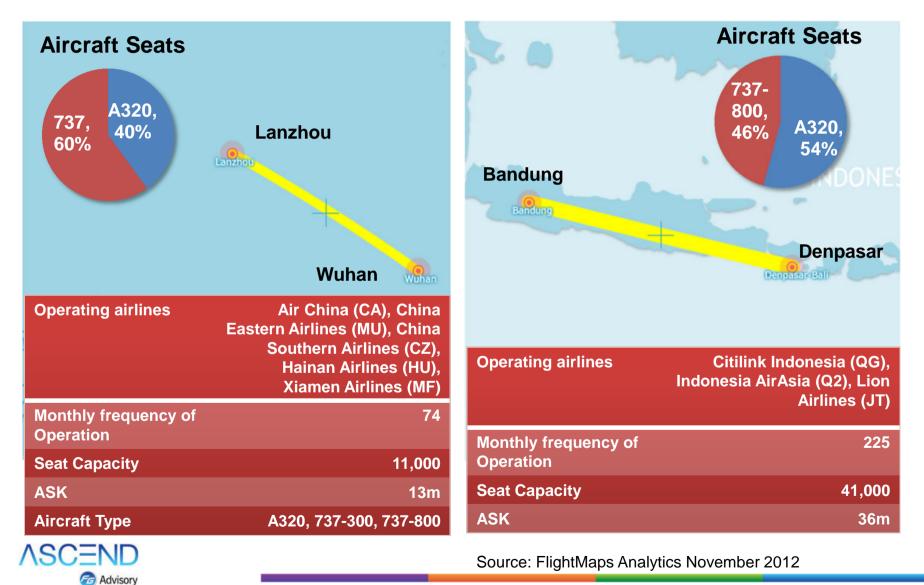


Advisory

Indonesia and Kazakhstan – continued domestic growth



737-800 & A320 serve the highest growth domestic routes



ATR is heavily used on domestic Indonesia market

Top new domestic routes with three daily services and above



World Map: © 2012 Europa Technologies

C Advisory

Summary

Regional and domestic route development in Asia Pacific has been aggressive

Regional routes

Sweet spot: The major hub city pairs, Cross-strait flights Star airlines: Taiwanese carriers for cross-strait flights, Thai AirAsia

Star aircraft: A320, A330-300

Domestic routes

Sweet spot: China, Thailand, Japan, Indonesia

Star aircraft: 737-800, A320, ATR





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Managing the cycle: Survival of the fittest and flexible Paul Sheridan Head of Consultancy Asia





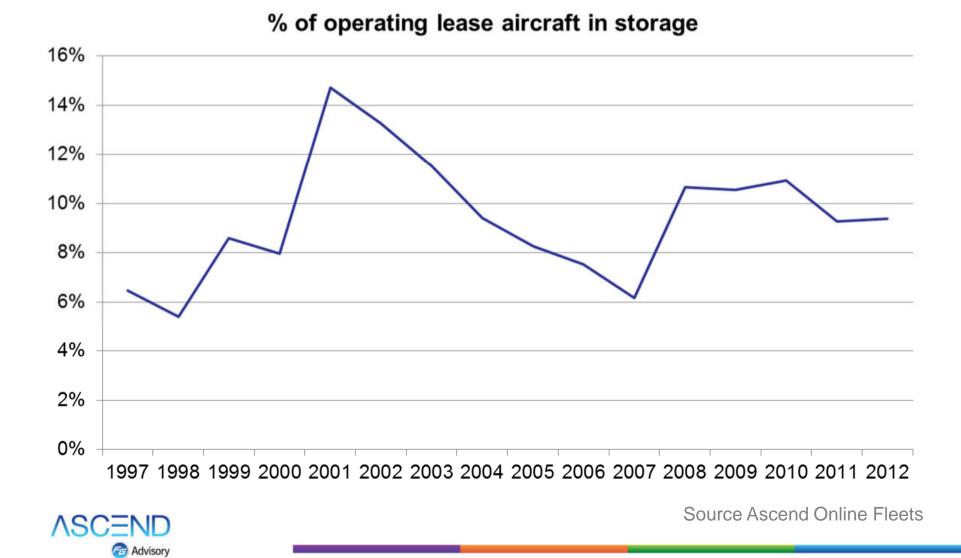
William Shakespeare on the aviation cycle...

The worst is not So long as we can say, 'This is the worst'

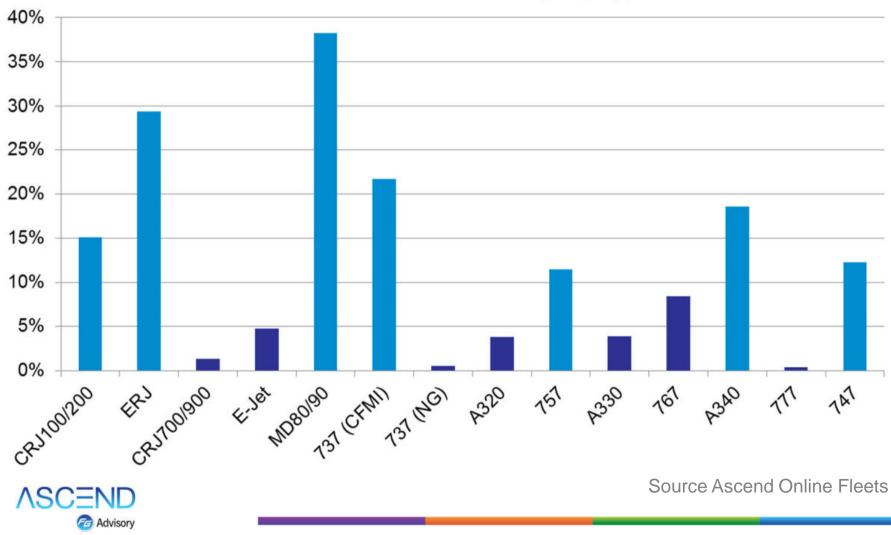
And in some respects this is not the worst we have seen



Lessor storage rates are lower than post-9/11

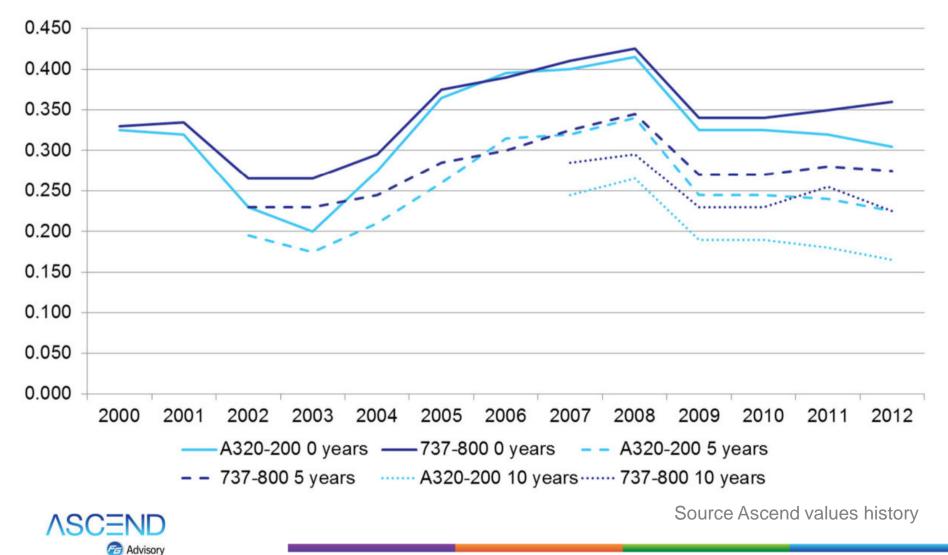


In production storage rates are even lower



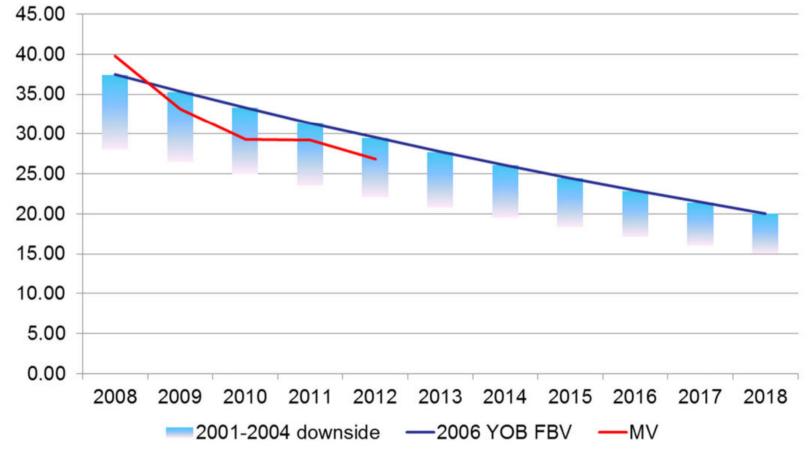
% of leased aircraft in storage by type

Lease rentals are weak but are higher than 2001-2003



Some MVs are holding up better

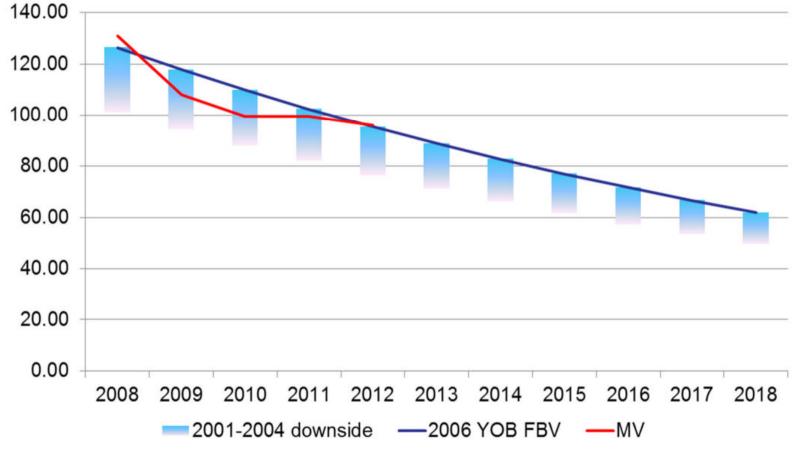
737-800





Some MVs are holding up better

777-300ER





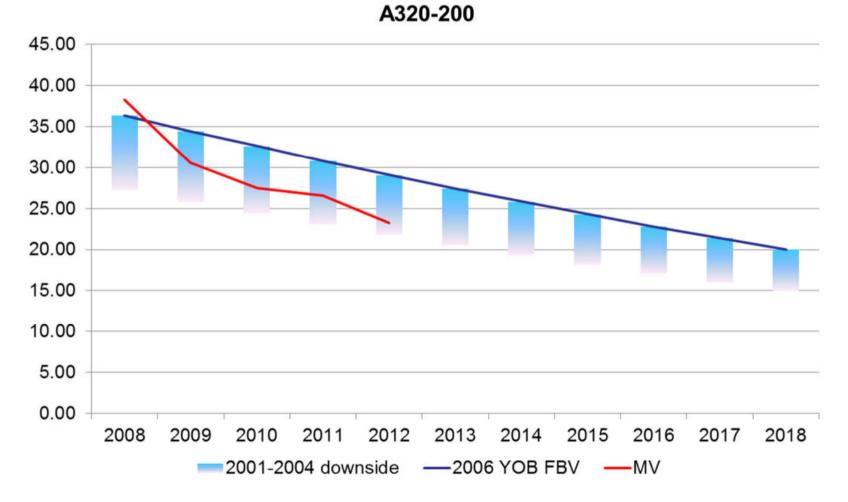
Some MVs are holding up better

90.00 80.00 70.00 60.00 50.00 40.00 30.00 20.00 10.00 0.00 2008 2009 2011 2012 2013 2014 2015 2016 2017 2018 2010 2001-2004 downside -2006 YOB FBV -MV

A330-200



But not all





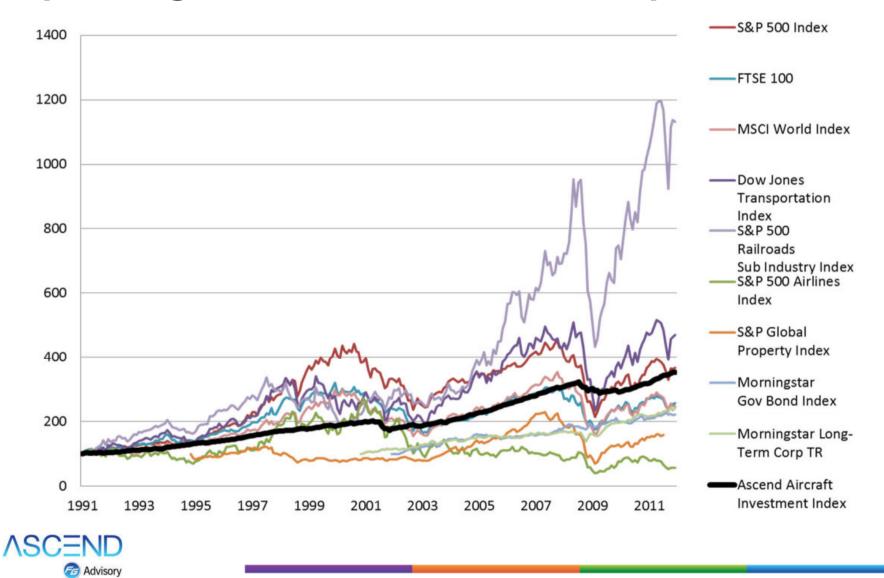
And some are worse

12.00 10.00 8.00 6.00 4.00 2.00 0.00 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2001-2004 downside -1994 YOB FBV -MV

737-400



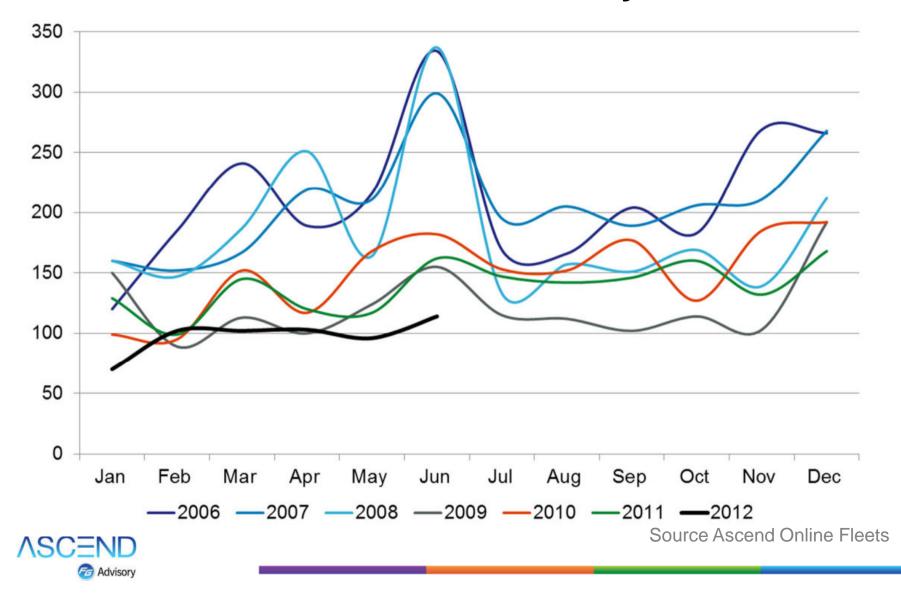
Operating lease returns have held up

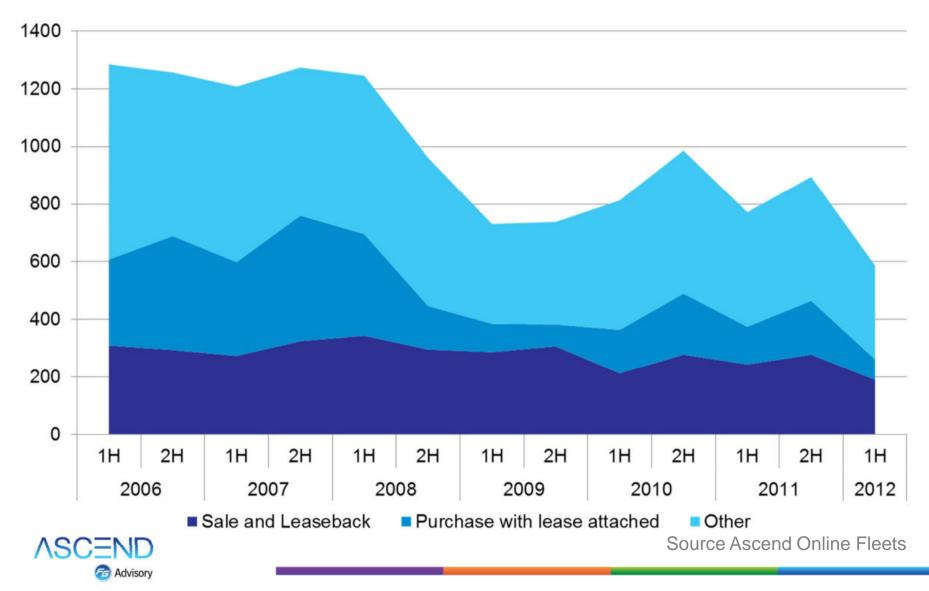


Why are we saying "this is the worst"?



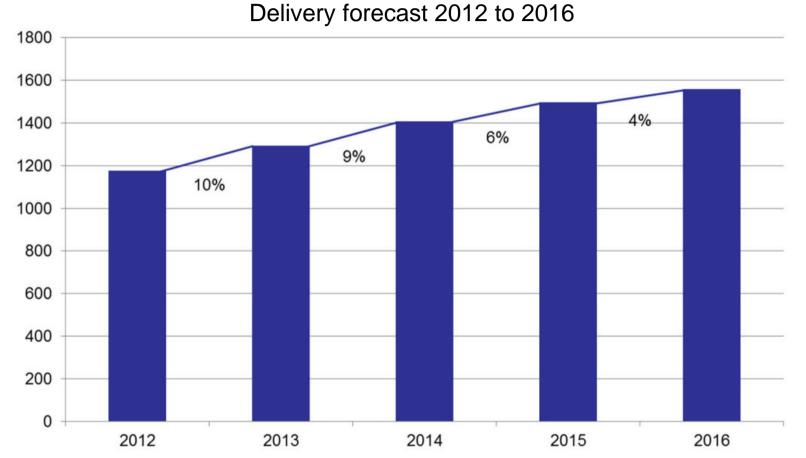
Transaction counts are stubbornly low





And trades between lessors are low

While the number of deliveries is rising



Each year brings a c.US\$10bn increase in required debt financing and a US\$4bn increase in required equity

Source Ascend Fleet Forecast



Conclusion

- There are reasons to be cheerful
- Recovery hinges on increased trading
 - Which depends on more finance for older aircraft Which depends on more competition for new
 - aircraft financing
 - Which is difficult with the increase in deliveries
 - And also depends on an improvement in the economy
- Or is it all about Book Values?





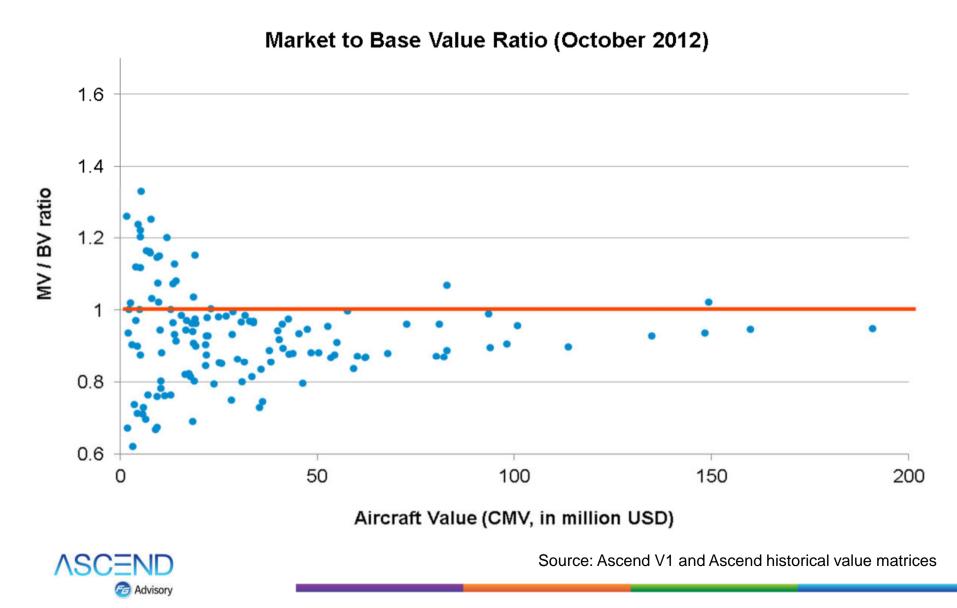
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You can't always get what you want: Focus on values Eddy Pieniazek Global Head of Consultancy

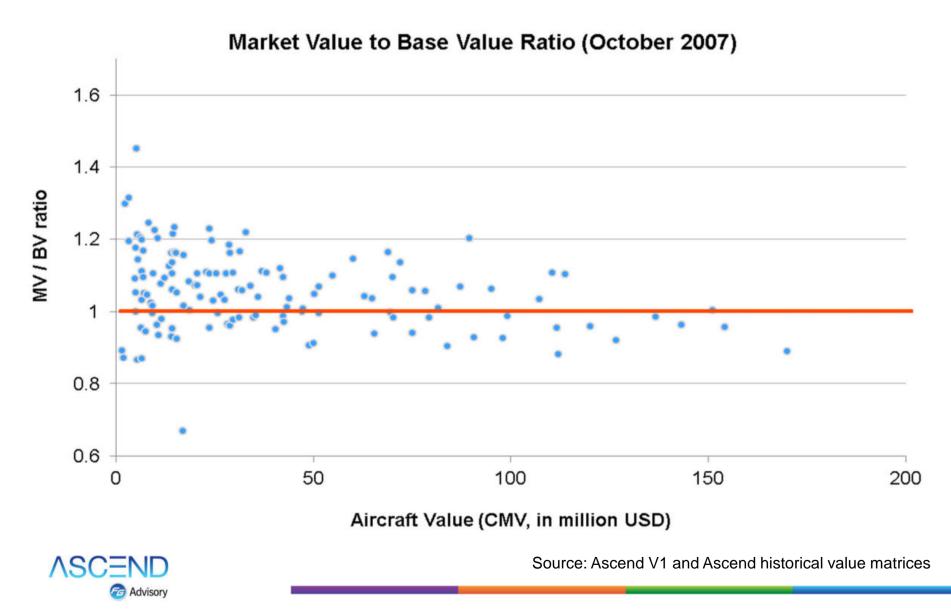




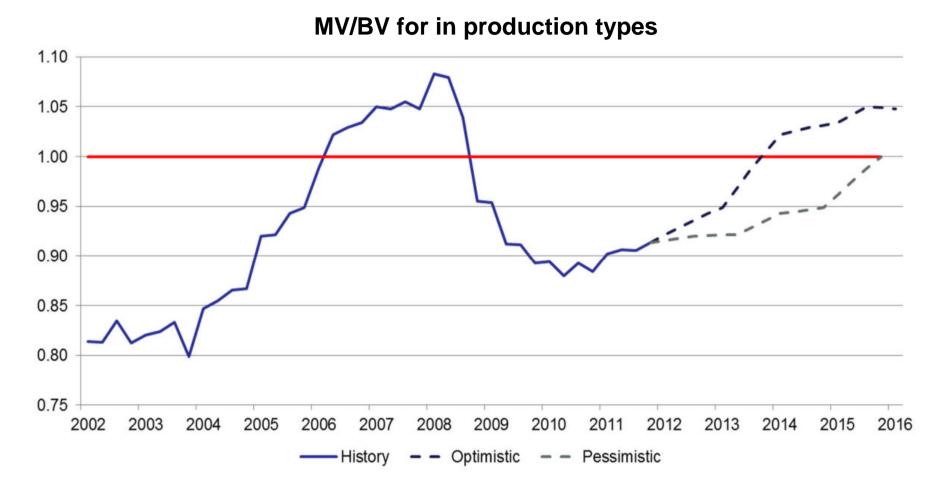
What does the market look like now?



Reminder of a strong market (2007)



Market Value recovery forecast

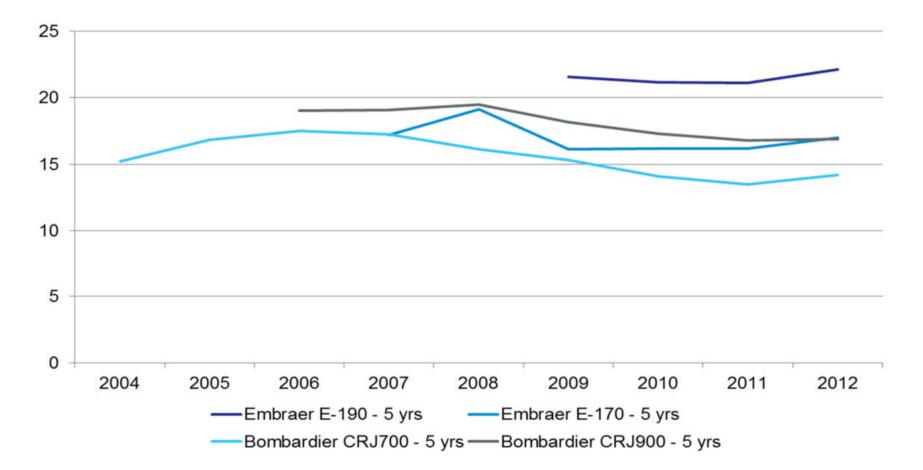


Pessimistic forecast seems more likely

Source: Ascend historical values matrices and Ascend forecasts



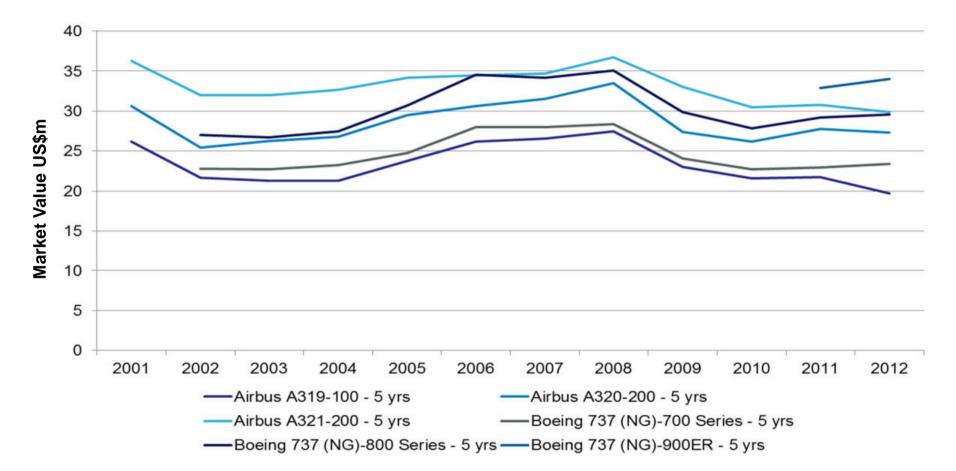
Aircraft Value trends – Regional Jets



RJs are among the least volatile aircraft types



Aircraft Value trends – Narrowbodies

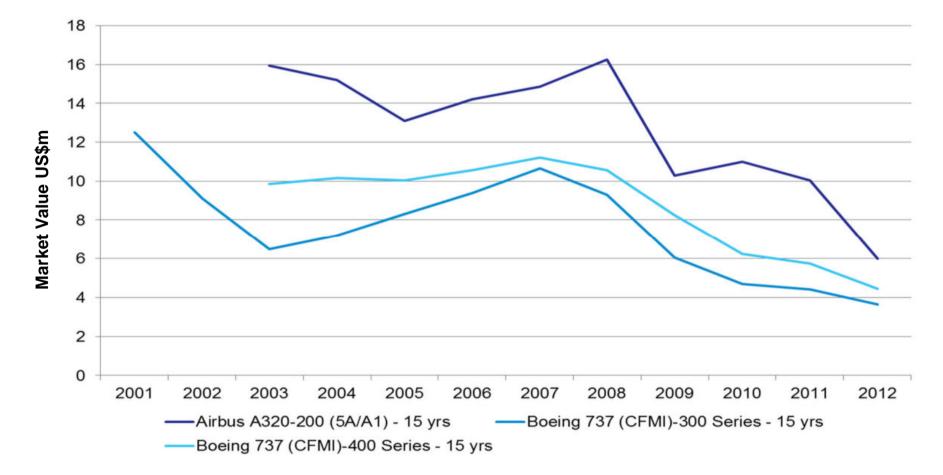


737 and A320 families going in opposite directions

ASCEND

Advisory

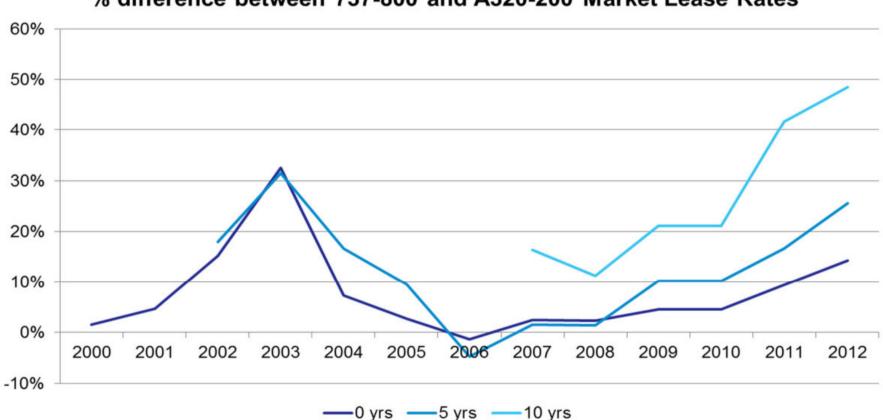
Aircraft Value trends – Narrowbodies



Out of production aircraft – limited scope for recovery



A320 and 737-800 lease rate spread

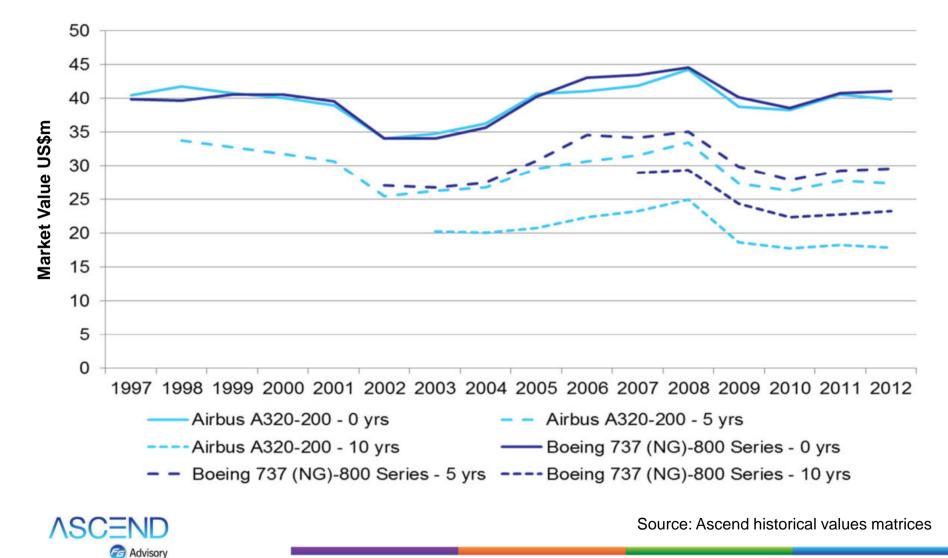


% difference between 737-800 and A320-200 Market Lease Rates

The 737-800 has outperformed in downturns



A320 and 737-800 values – widening gap for older aircraft



Why is the A320 underperforming?

Fewer seats on the A320

Airbus production between 2002 and 2005 now up for re-lease

Higher proportion with lessors (c.20 lessors own A320s but do not own 737-800s)

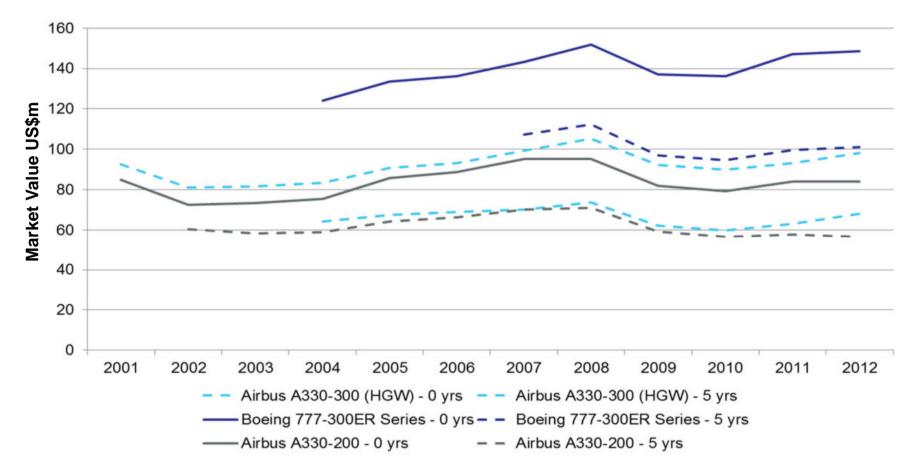
Higher number of speculative orders for the A320 (45% more)

A320 presence with smaller airlines (average fleet size is 12 aircraft per operator compared to 18 for the 737-800)

No one reason but several smaller ones



Aircraft Value trends – Widebodies

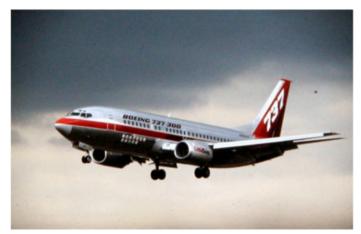


In production widebodies are leading the recovery

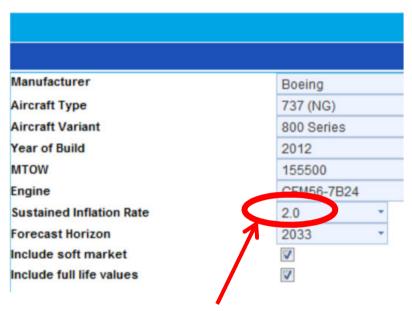


Base Values

For fixed wing and rotary no big changes in the July update



Out of production narrowbodies are on negative watch



Default inflation rate is now 2.0% This can still be changed when an enquiry is performed





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