### **BOC Aviation Investor Day**

### Singapore

17 May 2018











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# **Agenda**

| Topic                              | Presenter  |
|------------------------------------|--|
| Welcome and introduction           | Timothy Ross Head of Investor Relations and Corporate Communications |
| BOC Aviation and industry overview | Robert Martin Managing Director & Chief Executive Officer            |
| Generating revenue                 | Graham Lees Deputy Chief Commercial Officer                          |
| How we manage risk                 | David Farrell Chief Risk Officer                                     |
| Debt and interest rate management  | Peter Davis Head of Treasury   |
| Valuation and concluding remarks   | Timothy Ross Head of Investor Relations and Corporate Communications |





# **BOC** Aviation and Industry Overview

Robert Martin
Managing Director & Chief Executive Officer





**Robert Martin** 

Managing Director & Chief Executive Officer



- 30 years of banking and leasing experience
- Appointed Managing Director on 4<sup>th</sup> July 1998; a member of Board of Directors since 4<sup>th</sup> July 1998
- The longest serving chief executive officer of the same company in the aircraft operating leasing industry





### **BOC Aviation – Who Are We?**

- One of the world's top five aircraft lessors
  - The largest in Asia
  - Listed on HKEX
  - Bank of China owns 70%
- Total assets of US\$16.0 billion
  - 488 aircraft<sup>1</sup>
- 24 years of unbroken profitability
- Industry-leading financial metrics average ROE of 15% over the last ten years
  - ROE of 16.3% in 2017
- Investment grade credit ratings of A- from S&P Global Ratings and Fitch Ratings
- Airbus' and Boeing's largest customer by combined deliveries in 2017

#### An established lessor with deep management experience

All data as at 31 December 2017 unless otherwise indicated Note:

1. Includes owned, managed and aircraft on order as at 31 March 2018





# Stable, Experienced Management and now, Shareholders











| Robert Martin       |  |
|---------------------|--|
| Managing Director & |  |
| Chief Executive     |  |
| Officer             |  |

Wang Jian Vice-Chairman & Deputy Managing Director

Phang Thim Fatt
Deputy Managing
Director & Chief
Financial Officer

Chief Commercial Officer (Europe, Americas, Africa)

Steven Townend

Gao Jinyue Chief Commercial Officer (Asia Pacific & the Middle East)

David Walton

Chief Operating

Officer

- Managing Director Formerly a Nonsince July 1998 executive Director
- 30 years of banking and leasing experience
- executive Director of the Company from December 2006 to June 2012
- Re-appointed on 1 June 2017 as Executive Director
- 37 years experience at BOC
- Previously held treasury and finance roles at Singapore Airlines Involved in establishment of the Company
- In charge of revenue activities for Europe, Americas and Africa A wealth of
- Africa
  A wealth of
  aviation finance
  and leasing
  experience
- In charge of revenue activities for Asia Pacific and Middle East
   Extensive
- Extensive experience in treasury and corporate finance activities
- Previously served as COO/General Counsel for private and listed lessors 31 years of
- 31 years of aviation finance and leasing experience

Nationality





**(**::





Years with BOC Aviation

**20** 

**22** 

17

11

3

Global, stable and highly experienced senior management team





### **Core Competencies**

#### Since inception in 1993:

| <ul> <li>Purchasing</li> </ul> | 750 aircraft purchased totalling more than US\$39 billion |
|--------------------------------|---|
|--------------------------------|---|

• Leasing 790 leases executed with > 150 airlines in 53 countries and regions

Financing
 More than US\$22 billion in debt raised since 1 January 2007¹

Sales More than 290 aircraft sold

Transitions
 More than 70 transitions

Repossessions
 36 aircraft in 13 jurisdictions<sup>2</sup>

Utilisation rate 99.9%<sup>3</sup>

Collection rate

99.6%1,3

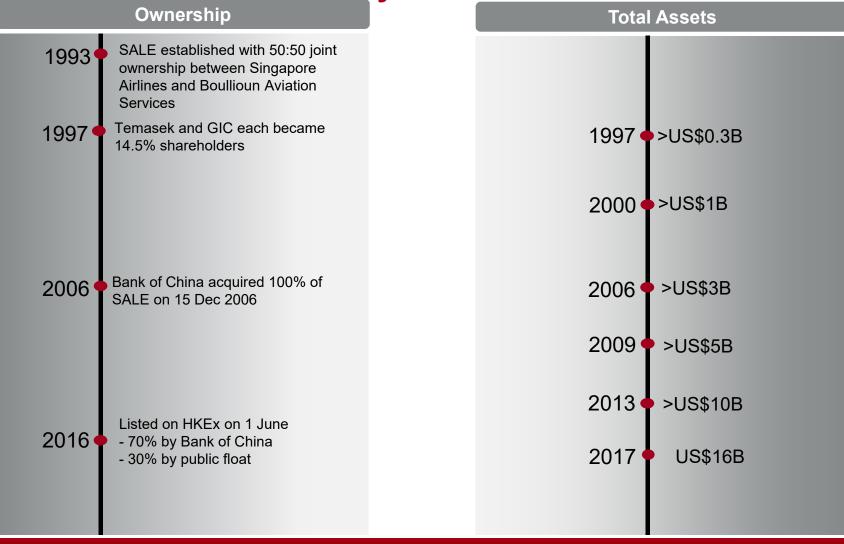
All data as at 31 March 2018, since inception unless otherwise indicated Notes:

- As at 31 December 2017
- . Includes repossessions and consensual early returns
- 3. 10 years average from 2008 to 31 March 2018





**The BOC Aviation Journey** 



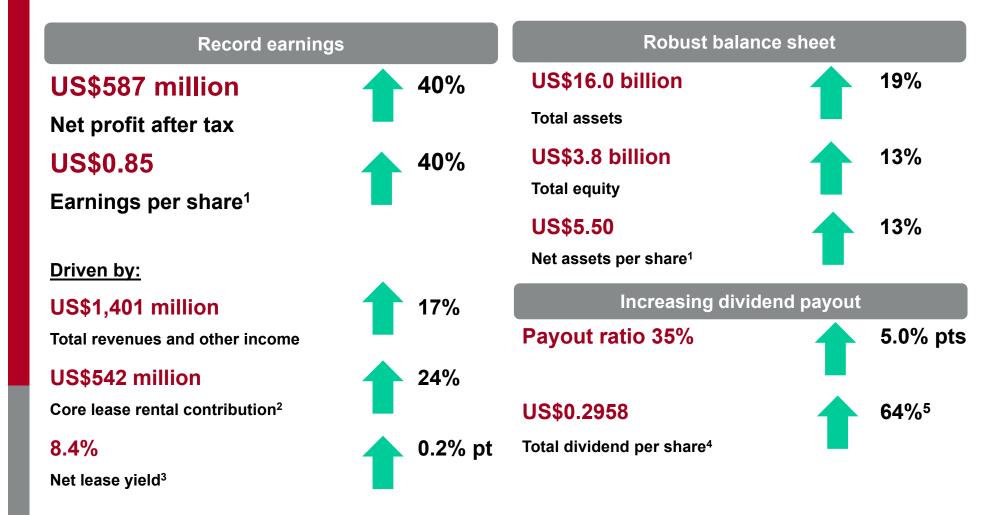
**BOC Aviation will be celebrating our 25th Anniversary in November 2018!** 

All data as at 31 December 2017 unless otherwise indicated





### An Excellent 2017



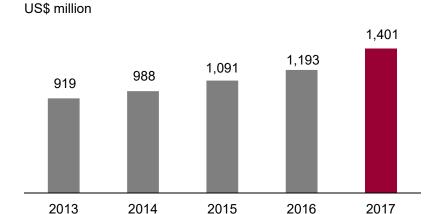
All data as at 31 December 2017 Notes:

- 1. Based on the number of shares outstanding as at year end
- Calculated as lease rental income less depreciation and finance expenses, amortization of debt issue costs and lease transaction closing costs
- 3. Calculated as lease rental income less finance expenses divided by average net book value of aircraft
- Includes interim dividend of US\$0.1038 per share paid on 25 September 2017. The final dividend of US\$0.192 per share will be payable to shareholders registered at the close of business on the record date, being 7 June 2018
- 5. Compared to US\$0.18 paid for FY2016

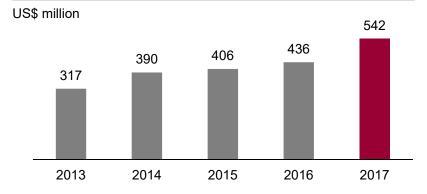


### **Record Financials**

#### Fleet growth underpins lift in revenues

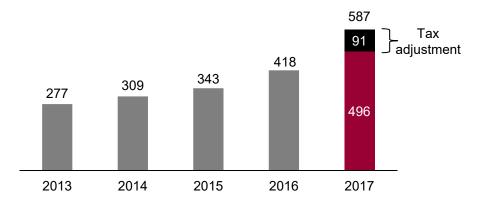


# Continued growth in core lease rental contribution<sup>1</sup>

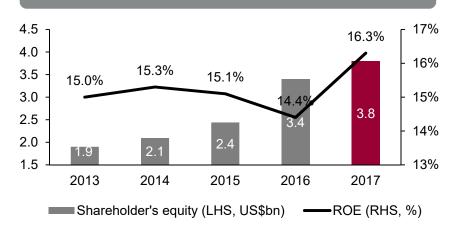


# NPAT growth driven by growth in leasing portfolio and adjustment of US tax provision

**US\$** million



#### Consistently strong returns on equity



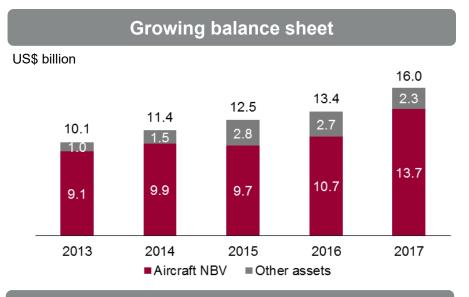
All data as at 31 December 2017

Calculated as lease rental income less depreciation and finance expenses, amortization of debt issue costs and lease transaction closing costs



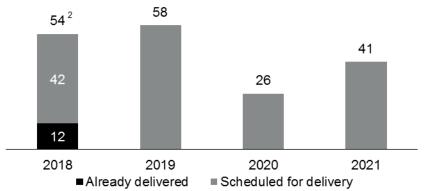


### Orderbook Underpins Future Balance Sheet Growth



#### Committed deliveries of 167 aircraft until 2021<sup>1</sup>

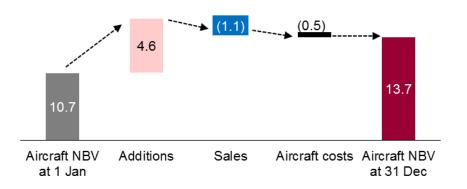


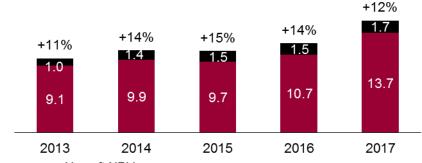


#### Fleet NBV evolution

#### Premium over aircraft NBV<sup>3,4</sup>

#### **US\$** billion





- Aircraft NBV
- Premium of appraised current market value over aircraft NBV

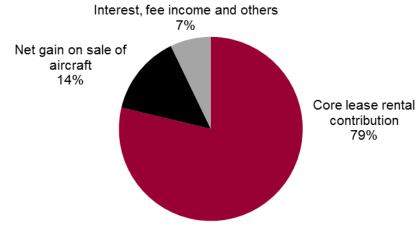
All data as at 31 December 2017 unless otherwise indicated Notes:

- As at 31 March 2018
- Excludes three A320CEO family aircraft ordered subsequent to 31 March 2018 and scheduled for delivery in December 2018
- Average of five appraisers
- 4. Percentages refer to premium of appraised current market value over aircraft NBV

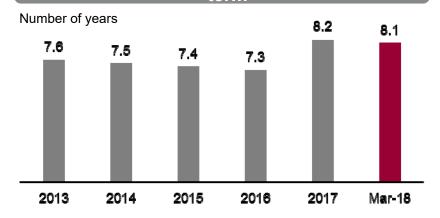


### **Core Leasing Business Anchors Earnings Growth**

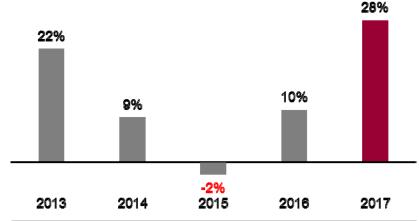




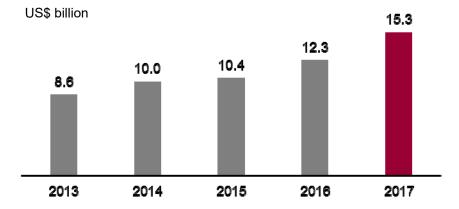
# We have a longer average remaining lease term<sup>2</sup>



#### ... and rises with fleet NBV



# ... and steady increases in future committed lease revenue



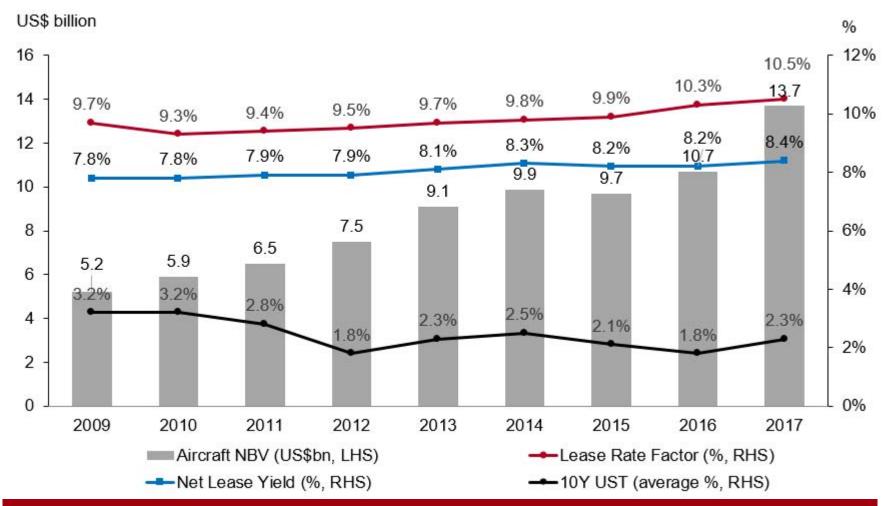
All data as at 31 December 2017 unless otherwise indicated Notes:

- Calculated as lease rental income less depreciation and finance expenses, amortization of debt issue costs and lease transaction closing costs
- 2. Weighted by net book value of owned fleet as at 31 March 2018





### **Aircraft Lease Yields**



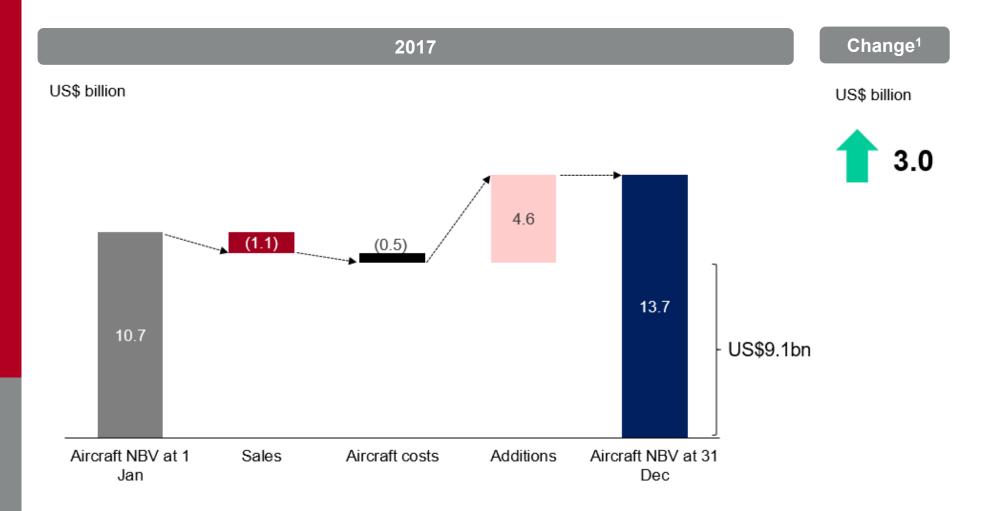
**Growth at stable portfolio returns** 

Source: Bloomberg
All data as at 31 December 2017 unless otherwise indicated





### **Net Book Value Growth Results in Stable Returns**



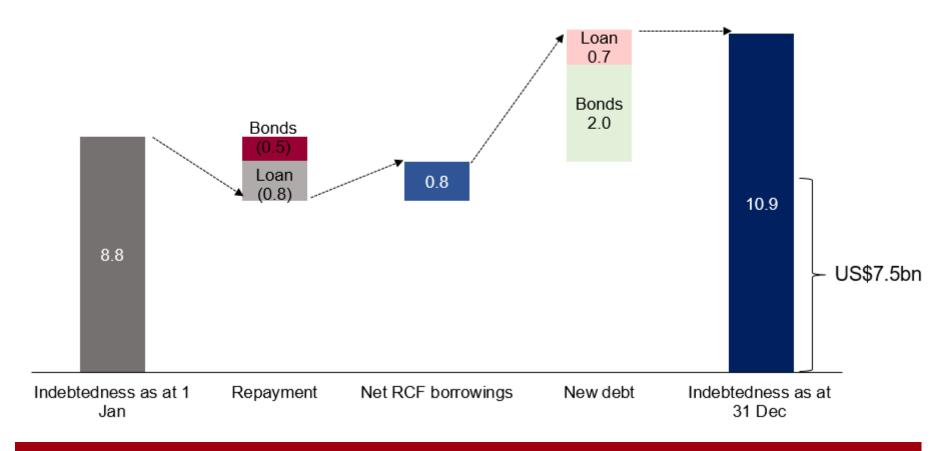
#### Stable returns underpinned by cumulative long term leases





### **Debt Evolution Results in a Stable Cost Base**

US\$ billion



#### **Stable debt costs**





### **The Operating Leasing Industry Today**

# **Customers**

**C.800** airlines globally

**34,900** new aircraft required over the next 20 years<sup>1</sup>

# **Suppliers**

**5** key airframe manufacturers

**3** key engine manufacturers

10,000+ supply chain partners

Aircraft Leasing Industry

# **Funding**

200+ active banks

**1,000+** capital market investors

# **Investors**

350+ aircraft lessors





### **The Operating Leasing Industry Today - Presenters**

# **Customers**

Presenter: **Graham Lees** 

# Suppliers

**Presenter: Robert Martin** 

Competitive **Environment** 

Presenter: **Robert Martin** 

# **Funding**

Presenter: **Peter Davis** 

# **Investors**

Presenter: **Graham Lees** 



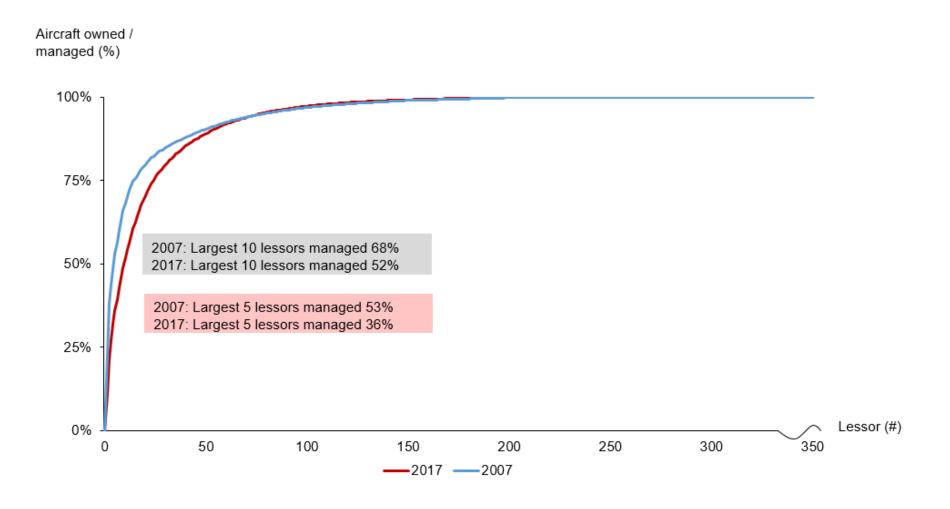


# **Competitive Environment**





### **Less Concentration Now in the Market**



#### Our buyers are mainly outside top ten lessors





### Aircraft Lessor Strategic Landscape – 2006

#### Top lessors by fleet value Fleet portfolio, number of aircraft 1,663 858 182 198 206 294 223 150 170 228 79 154 89 61 43 31 31 267 30 38 Fleet value, US\$ billion 33.8 31.7 3.6 2.8 0.9 8.0 8.0

#### The sector was dominated by two players





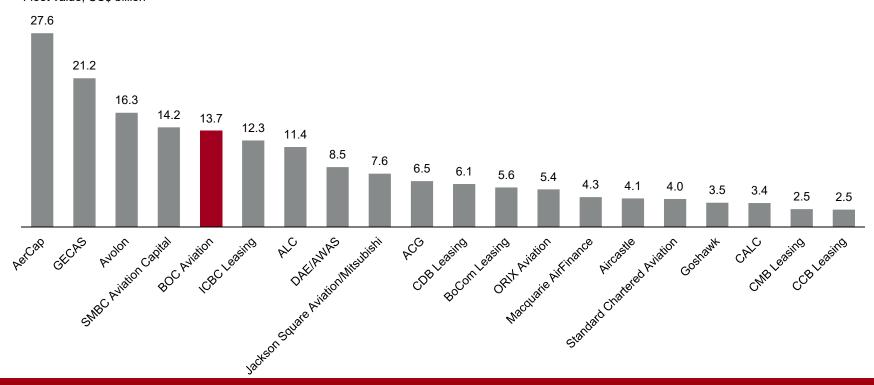
### Aircraft Lessor Strategic Landscape - Now

#### Top lessors by fleet value

Fleet portfolio, number of aircraft



Fleet value, US\$ billion



The top two players have shrunk + Influx of Asian capital





# **Suppliers**





### Looking Forward, More Choices But Supply Chain Strained



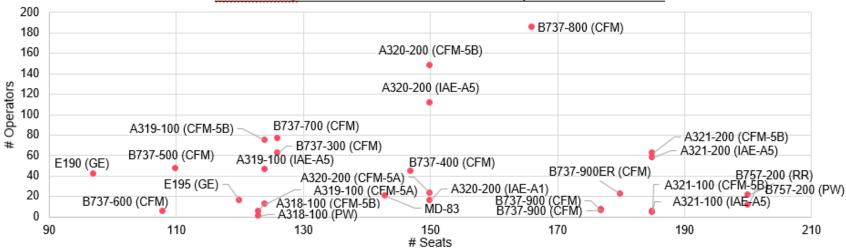
As at May 2018, by entry into service



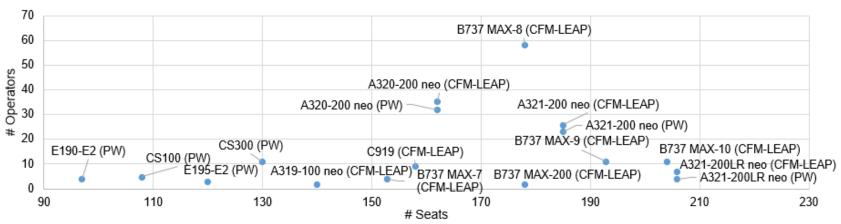


### **Differentiation – Placing New Aircraft Types**

#### Narrowbody Current Generation Aircraft: # Operators vs. # Seats1



#### Narrowbody New Generation Aircraft: # Operators vs. # Seats1



Source: Ascend Note:

YEARS OF EXCELLENCE



# New Technology Aircraft – Our First Boeing 737 MAX 8 Has Just Been Delivered!

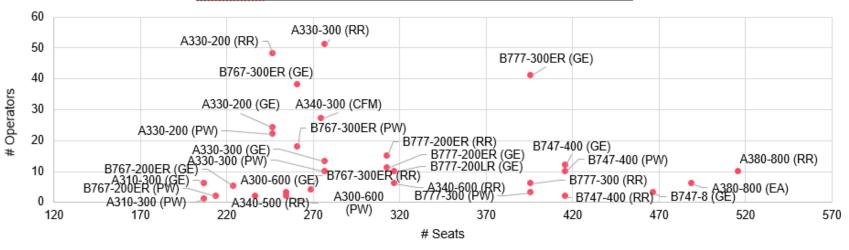


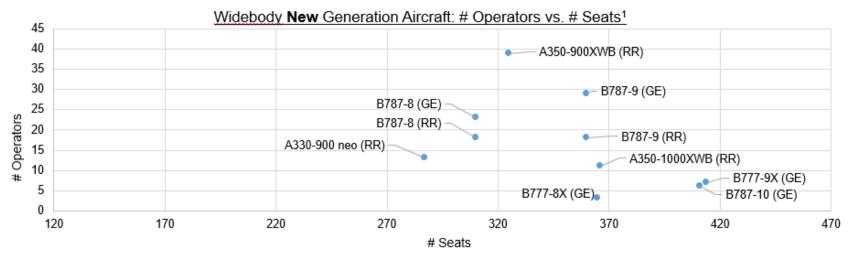




### **Differentiation – Placing New Aircraft Types**

#### Widebody Current Generation Aircraft: # Operators vs. # Seats1





Source: Ascend

Note:





<sup>1.</sup> Includes operators with firm orders

### **New Technology Aircraft – Our First Airbus A330NEO Deal**



Coming soon in 2H 2018





# Hear from the expert on the leasing and sale of aircraft



