### **UBS Greater China Conference 2018**

Shanghai January 2018









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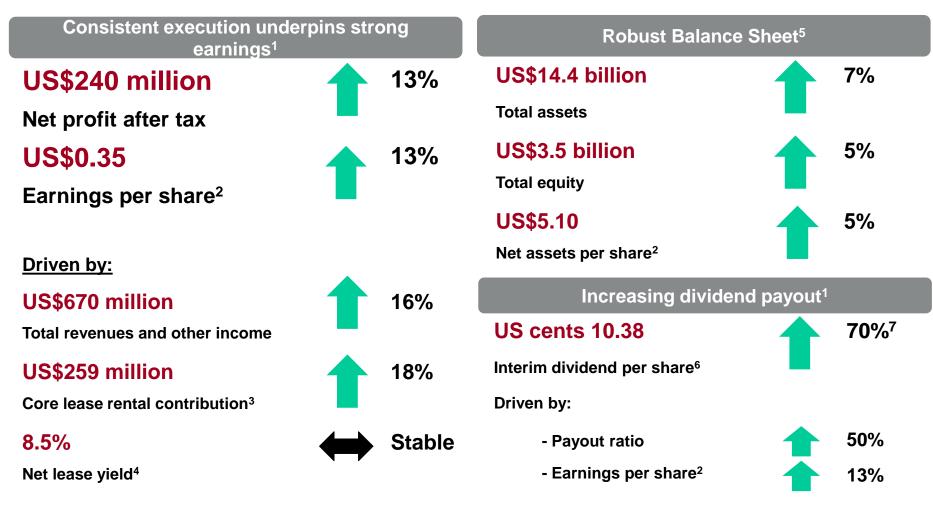
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### 1H17 - Balance Sheet & Stable Yield Drive Earnings



All data as at 30 June 2017 Notes:

- 1. Compared to the first six months of 2016
- 2. Based on the number of shares outstanding as at period end
- 3. Calculated as lease rental income less depreciation and finance expenses, amortization of debt issue costs and lease transaction closing costs
- 4. Calculated as lease rental income less finance expenses divided by average net book value of aircraft
- 5. Compared to 31 December 2016
- 6. Payable to shareholders registered at the close of business on the record date, being 25 September 2017
- 7. Compared to US cents 6.1 paid for 1H16



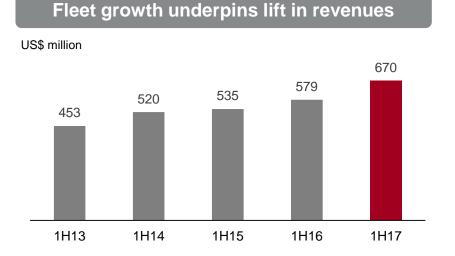
### **Operational Developments**

- Ended 3Q17 with 268 owned and 34 managed aircraft
  - Portfolio utilization high at 99.7%
  - Cash collection of 100%<sup>1</sup>
  - Average fleet age of 3.2 years<sup>2</sup> one of the youngest in the industry
  - Average lease term remaining of 7.8 years<sup>2</sup>
- Exceeded last year's record of 67 aircraft deliveries, including:
  - New technology Airbus A320NEO
  - New technology Airbus A350-900
- Sold 21 owned aircraft through end-3Q17
- Maintained total owned and managed portfolio of more than 300 aircraft



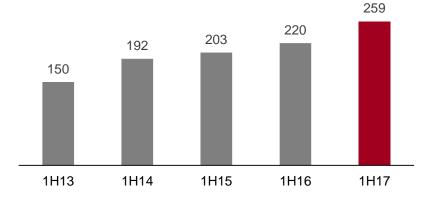
All data as at 30 September 2017 unless otherwise indicated Notes: 1. As at 30 June 2017

### **1H17 Revenue and NPAT Growth**



Rising core lease rental contribution<sup>1</sup>

US\$ million

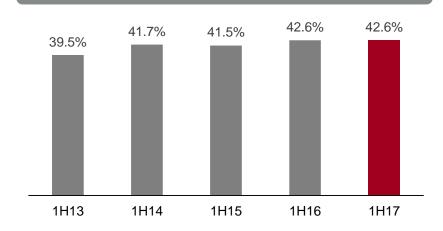


All data as at 30 June 2017

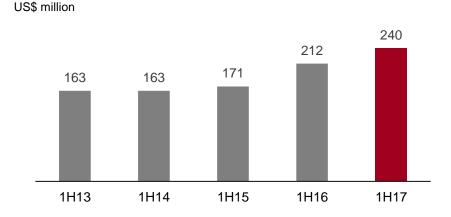
Notes:

- 1. Calculated as lease rental income less depreciation and finance expenses, amortization of debt issue costs and lease transaction closing costs
- 2. Calculated as lease rental income less depreciation and finance expenses, amortization of debt issue costs and lease transaction closing costs divided by lease rental income

#### **Operating margin >40%**<sup>2</sup>

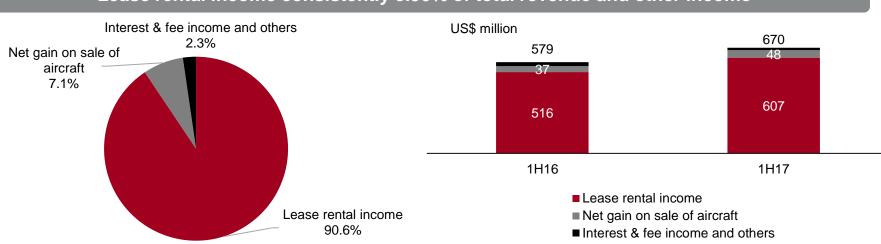


#### Consistent NPAT growth



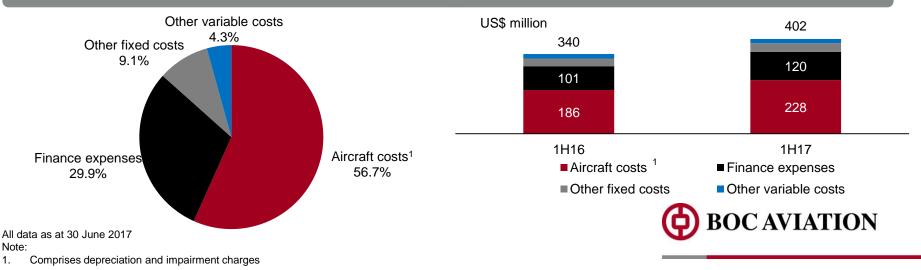


### Lease Rental Income Dominates P&L



#### Lease rental income consistently c.90% of total revenue and other income

#### Depreciation of aircraft plus financing costs make up >85% of total costs

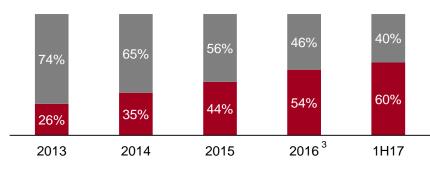


### **Improving Net Lease Yield Drives Profitability**

Higher lease rate factor<sup>1</sup> reflects increased fixed rate leases

#### Proportion of fixed rate leases rising steadily<sup>2</sup>

By net book value



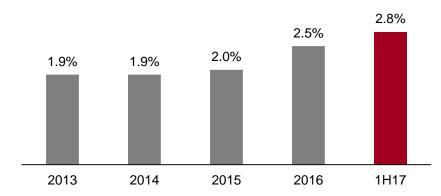
■ Fixed rate ■ Floating rate

All data as at 30 June 2017

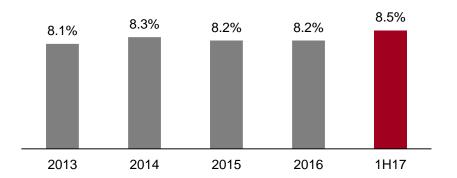
Notes:

- 1. Calculated as lease rental income divided by average net book value of aircraft and multiplied by 100%
- 2. By net book value including aircraft held for sale
- 3. Excluded aircraft off lease
- 4. Calculated as the sum of finance expenses and capitalized interest, divided by average total indebtedness. Total indebtedness represents loans and borrowings and finance lease payables before adjustments for debt issue costs, fair values and discounts/premiums to medium term notes
- 5. Calculated as lease rental income less finance expenses divided by average net book value of aircraft

... with a higher proportion of fixed rate debt affecting finance expenses<sup>4</sup>

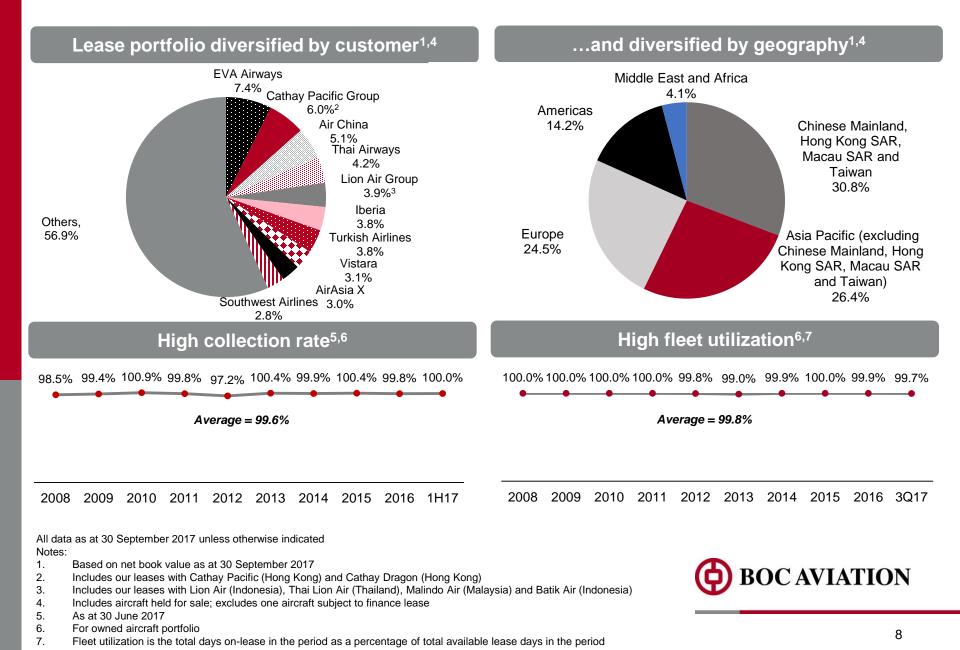


#### Maintaining net lease yield<sup>5</sup>





### **Our Portfolio Remains Well Diversified**



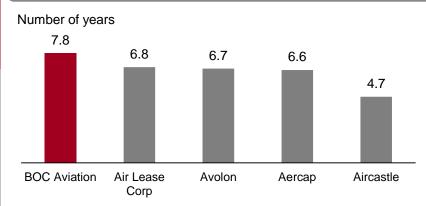
### Long-term, Stable and Contracted USD Cash Flows



Well-dispersed lease expiries<sup>1,2</sup>

Percentage of aircraft NBV with leases expiring (RHS)

# A long average remaining lease term<sup>2,3</sup>

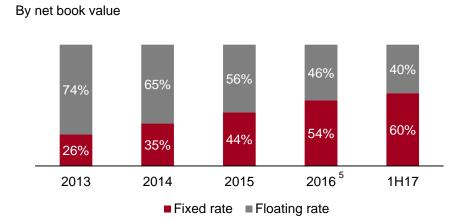


Source: Respective company websites

All data as at 30 June 2017 unless otherwise indicated Notes:

- 1. Owned aircraft with lease expiring in each calendar year adjusted for any aircraft for which BOC Aviation has sale or lease commitments, weighted by net book value including book value of assets held for sale
- 2. As at 30 September 2017
- 3. Weighted by net book value of owned fleet
- 4. By net book value including aircraft held for sale
- 5. Excluded aircraft off lease
- 6. Fixed rate debt included floating rate debt swapped to fixed rate liabilities

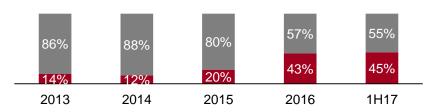
#### Proportion of fixed rate leases rising steadily<sup>4</sup>



#### Proportion of fixed rate debt also rising<sup>6</sup>

• Hedged c.70% of mismatched floating interest rate exposure

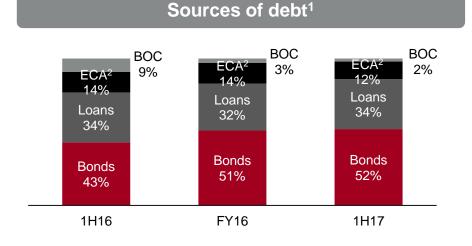
 A 25 basis points increase in interest rates on our floating rate leases, deposits and debt, holding all other variables constant, could decrease our annual NPAT by c.US\$1.2 million based on the lease portfolio, deposits and debt composition as at 30 June 2017



■ Fixed rate ■ Floating rate



### **Debt Profile**



Increasing unsecured funding

Secured

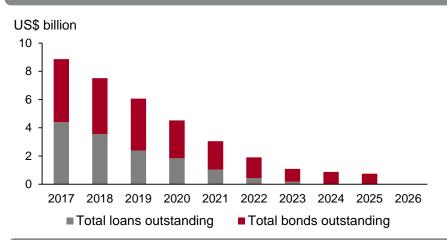
35%

Unsecured

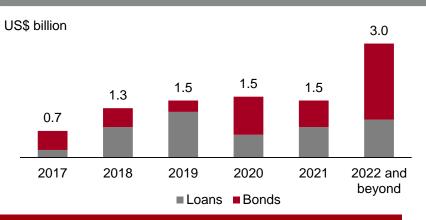
65%

FY16

#### **Outstanding debt balances**



#### Debt repayment by year



#### Undrawn committed credit lines of over US\$4 billion as at 30 June 2017

All data as at 30 June 2017

Secured

43%

Unsecured

57%

1H16

Notes:

1. Drawn debt only

2. ECA refers to debt guaranteed by the export credit agencies of France, Germany, the United Kingdom or the United States

Secured

27%

Unsecured

73%

1H17

**BOC AVIATION** 

### **Our Fleet**

Our Aircraft Portfolio				
Aircraft Type	Owned Aircraft <sup>1</sup>	Managed Aircraft	Aircraft on Order <sup>2</sup>	Total
Airbus A320CEO family	128	13	15	156
Airbus A320NEO family	4	0	62	66
Airbus A330CEO family	11	7	1	19
Airbus A330NEO family	0	0	2	2
Airbus A350 family	0	0	6	6
Boeing 737NG family	94	8	23	125
Boeing 737 MAX family	0	0	84	84
Boeing 777-300ER	21	1	0	22
Boeing 777-300	0	1	0	1
Boeing 787 family	1	0	4	5
Embraer E190 family	5	0	0	5
Freighters	4	4	0	8
Total	268	34	197	499

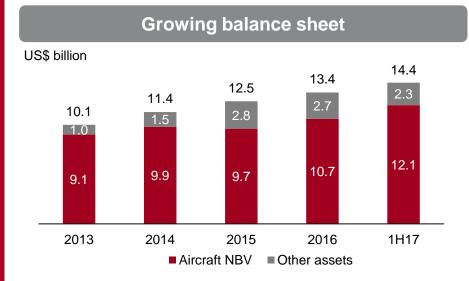
All data as at 30 September 2017 Notes:



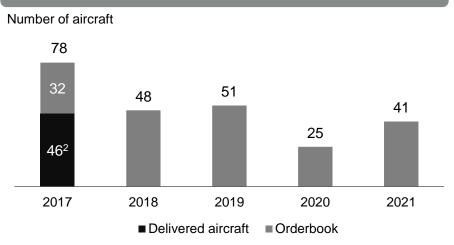
2. Includes all commitments to purchase aircraft including those where an airline customer has the right to acquire the relevant aircraft on delivery



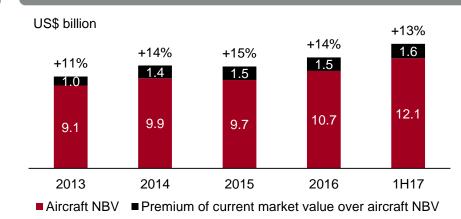
### **Orderbook Underpins Future Balance Sheet Growth**



#### Committed deliveries of 197 aircraft till 2021<sup>1</sup>

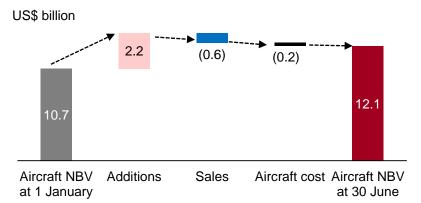


#### Premium over aircraft net book value<sup>3,4</sup>





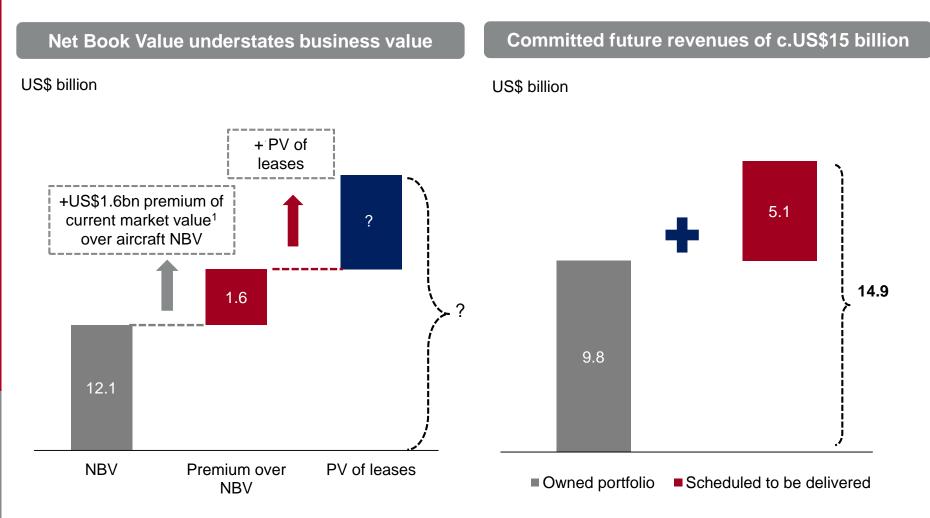
#### **Fleet NBV evolution**



All data as at 30 June 2017 unless otherwise indicated Notes:

- 1. As at 30 September 2017
- 2. Delivered 46 aircraft through end-3Q17 including three acquired by airline customer on delivery
- 3. Average of five appraisers
- 4. Percentages refer to premium of appraised current market value over aircraft NBV

### Value Driven by Fleet and Committed Lease Revenues



#### Committed future lease revenues create additional value today



All data as at 30 June 2017 Note:

1. Based on an average of five independent appraisers' aggregate value for our owned fleet at US\$13.7 billion, on a full-life, current market value basis, which compared with a net book value of US\$12.1 billion

# **Sustainable Value Creation (1)**

- 1H17 was our best semi-annual performance to date:
  - Record NPAT up 13% YoY to US\$240 million
  - Stable net lease yield
  - US\$1.4 billion growth in NBV of aircraft will drive future lease revenues
  - Committed future lease revenue higher at c.US\$15 billion, up 21% compared to end-2016
- Improving asset quality
  - Introduced new technology aircraft to our fleet
  - Committed to 10 Boeing 737 MAX 10, five Airbus A350 and two Airbus A330NEO for future deliveries<sup>1</sup>
    - Our first Airbus A350 family aircraft was delivered to Qatar Airways in Nov 2017
  - Taken delivery of both CFM and P&W powered Airbus A320NEO aircraft
- Funding position strengthened
  - Over US\$4 billion of committed funding available
  - GMTN program limit increased to US\$10 billion
    - Inaugural US\$1.2 billion dual tranche issuance in Sep/Oct 2017
      - US\$500 million 5Y notes at 2.75% p.a
      - US\$700 million 10Y notes at 3.5% p.a
  - Reduced proportion of secured debt to less than 30% of total debt
  - Credit ratings of A- by S&P Global Ratings and Fitch Ratings



All data as at 30 June 2017 unless otherwise indicated Note: 1. As at 15 December 2017

# **Sustainable Value Creation (2)**

- Robust air travel environment
  - 2017 YTD passenger demand growth continues to exceed expectations and long term trend<sup>1</sup>
  - Strong air traffic continues to underpin demand for new aircraft
- 2017 was our busiest in the Company's history
- Shareholder return is a priority
  - Earnings per share growth of 13%
  - 2017 interim dividend payout at 30% of 1H17 NPAT an increase of 70% over 2016's interim dividend
  - Dividend policy adjusted to distribute up to 35% of full year's NPAT
  - Alignment of management interest with shareholders
    - Half of management's long term incentives will be invested in the Company's shares acquired in the secondary market
    - The shares will vest after three years

#### Management focused on further enhancing shareholder value

All data as at 30 June 2017 unless otherwise indicated Note:



1. International Air Transport Association

# **APPENDICES**



### **Core Competencies – a Reminder**

#### Since inception in 1993:

<ul><li>Purchasing</li><li>Leasing</li><li>Financing</li></ul>	740 aircraft purchased totaling more than US\$37 billion More than 750 leases executed with more than 140 airlines in 52 countries More than US\$20 billion in debt raised since 1 January 2007 <sup>1</sup>
<ul><li>Sales</li><li>Transitions</li><li>Repossessions</li></ul>	280 aircraft sold More than 60 transitions 33 aircraft in 13 jurisdictions <sup>2</sup>

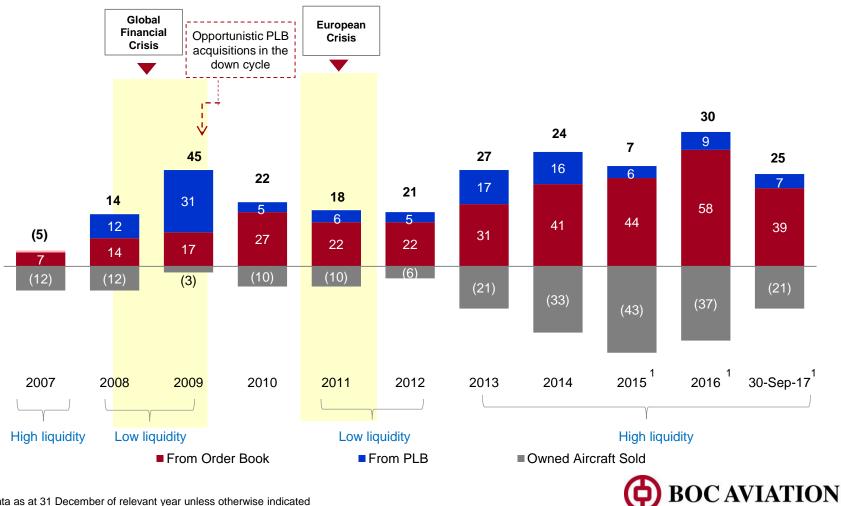


All data as at 30 September 2017, since inception unless otherwise indicated Notes:

- 1. As at 30 June 2017
- 2. Includes repossessions and consensual early returns
- 3. Average value over last 10 years since 1 January 2008

### **How We Invest**

Number of Aircraft Delivered, Purchased and Sold



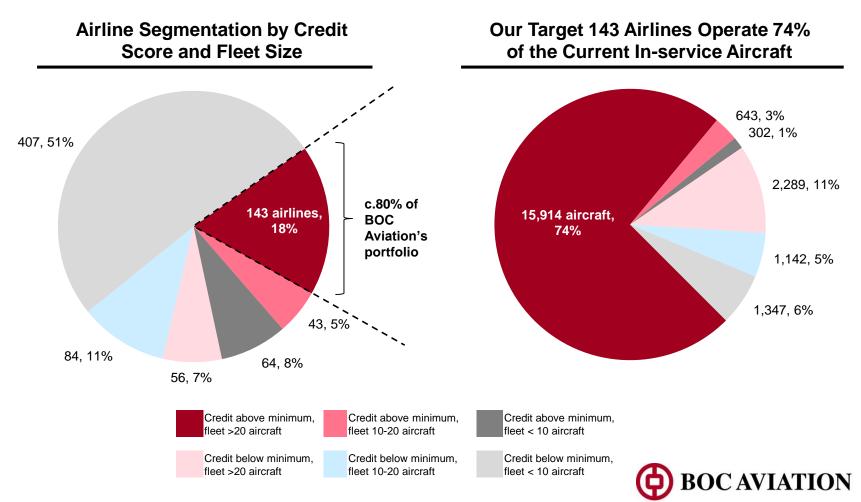
All data as at 31 December of relevant year unless otherwise indicated

#### Note:

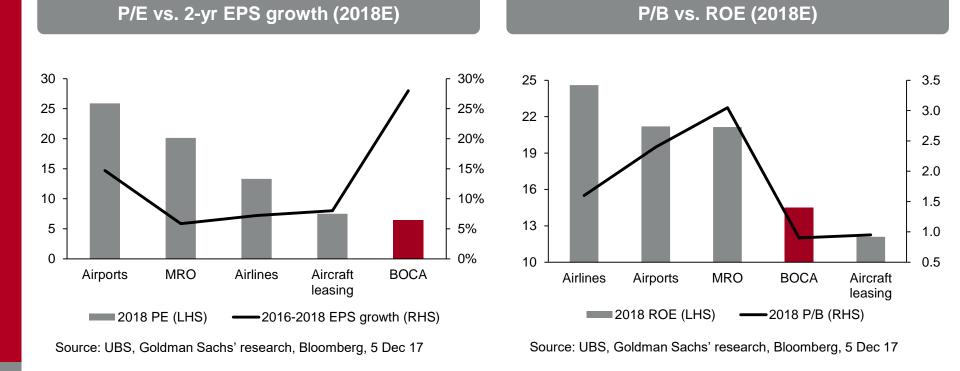
1. 10, 11 and 3 aircraft were acquired by the relevant airline lessees in 2015, 2016 and 2017 YTD, respectively

### **Leasing: Customer Segmentation**

- 797 airlines in service today
- Focus on 143 airlines or only 18% of the airlines in the market minimum credit score, above 20 aircraft



### **Most Attractively Valued Aviation Investment**



- BOC Aviation is growing earnings faster than other aviation sub-sectors;
- At 6.4x 2018E earnings its P/E is lower than both the leasing sector and other aviation verticals; and,
- It trades below 1x 2018 P/B despite generating consistent mid-teen ROEs

High growth and robust returns yet valued at a discount

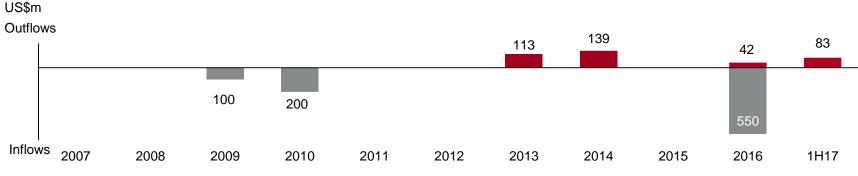


### **Stable Business: Consistent Leverage and Steady Returns**

Average ROE of c.15% at gross debt to equity<sup>1</sup> of 3.5 times



**Equity Cashflows** 



New primary equity

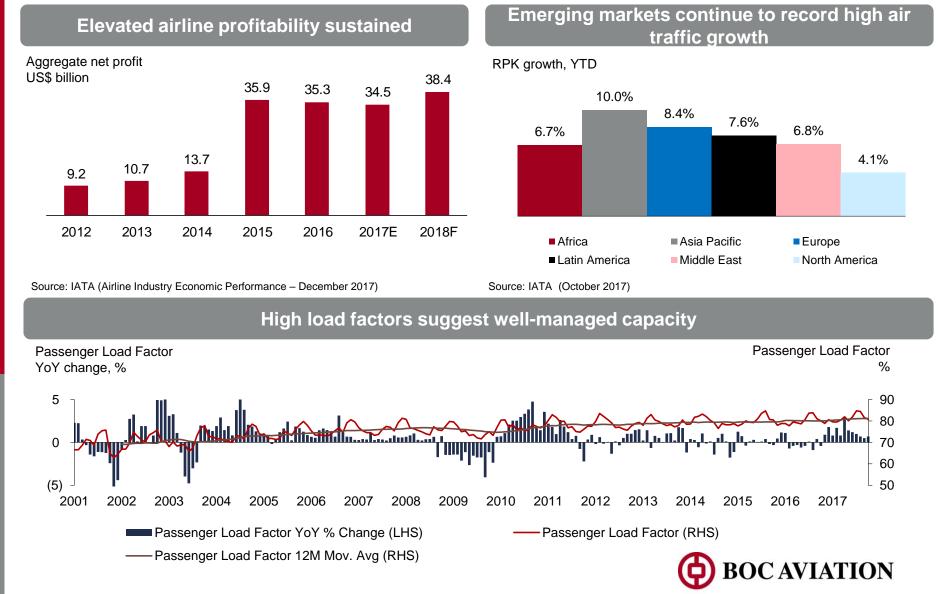
ROE and leverage decline as equity is raised and rise as profit growth and dividend payment increase



All data as at 31 December of relevant year unless otherwise indicated Note:

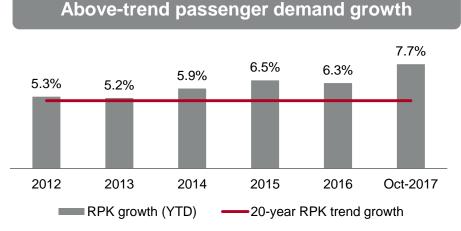
1. Calculated as total indebtedness divided by total equity

### **Positive Environment with Airline Profitability near Records**

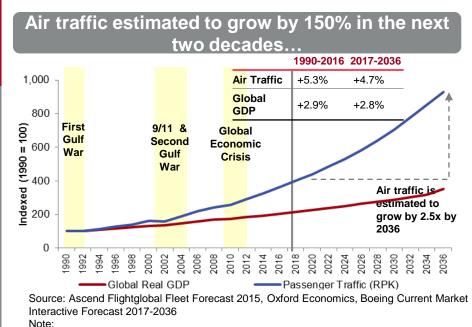


#### Source: IATA (October 2017)

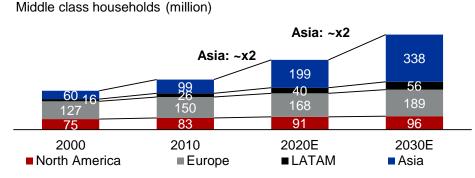
### Underlying Traffic Growth Positive for Core Leasing **Business**



Source: IATA (October 2017)



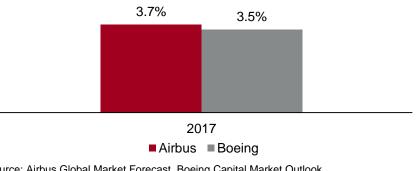
#### Growth in the middle classes<sup>1</sup> to be driven by emerging economies



#### Source: Euromonitor

#### Fleet expected to double in the next 20 years

#### 20-year fleet growth rate, %

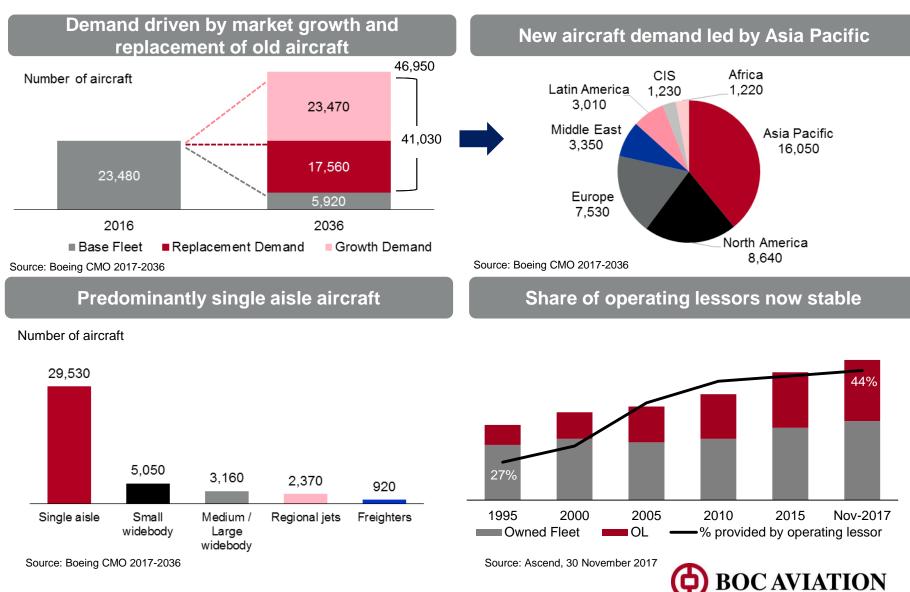


Source: Airbus Global Market Forecast, Boeing Capital Market Outlook

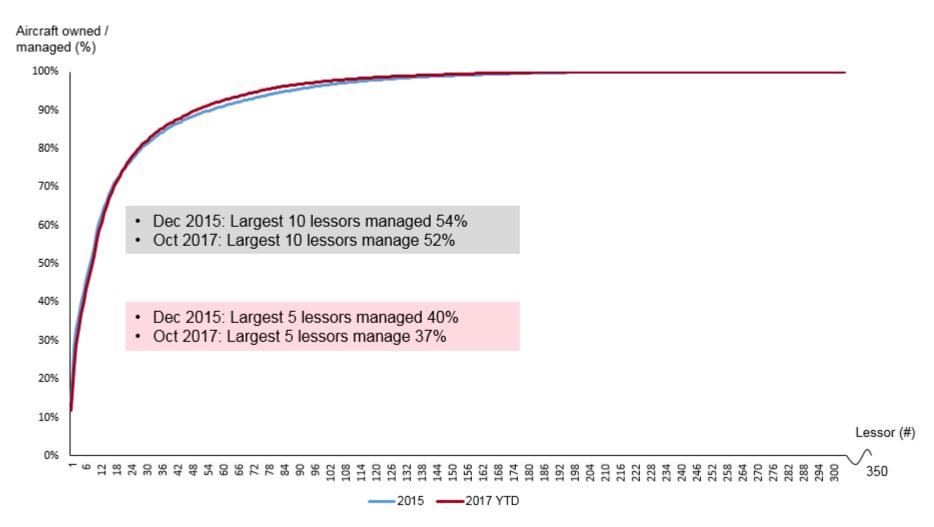


#### 1.Defined as number of households with yearly income between US\$25,000 and US\$150.000

# **Aircraft Operating Leasing Drivers**



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



#### Whilst M&A has occurred in top 10, largest two lessors didn't grow



Source: Ascend, as at 30 September 2017. Fleet data includes in-service owned and managed aircraft, based on aircraft of 100+ seats



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