# Valuation and Concluding Remarks

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### **Timothy Ross**

Head of Investor Relations & Corporate Communications



- More than 25 years of investment banking and aviation-related experience
- In charge of Investor Relations and Corporate Communications
- In depth knowledge of capital markets and industry investment community





### **Valuation: Horses for courses**

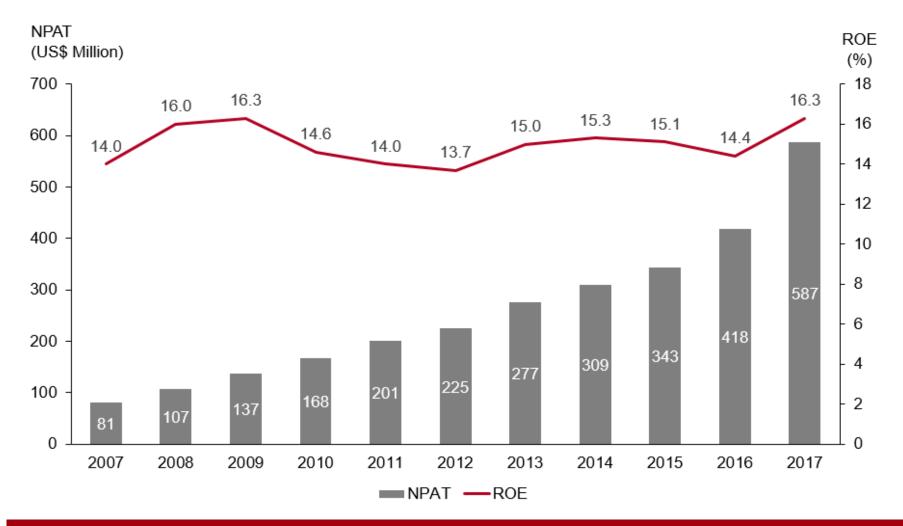
- Valuation tools...which one is right?
  - Earnings-based multiples (P/E, EV/EBITDA)
  - Cashflow analysis (DCF, EVA)
  - Asset-based multiples (P/B, P/NAV)
- What comprises equity value for an asset-owning company?
  - Hard asset values
  - Value of franchise or NPV of excess returns

#### We believe that BOC Aviation remains undervalued





### **Stable NPAT growth and ROE**



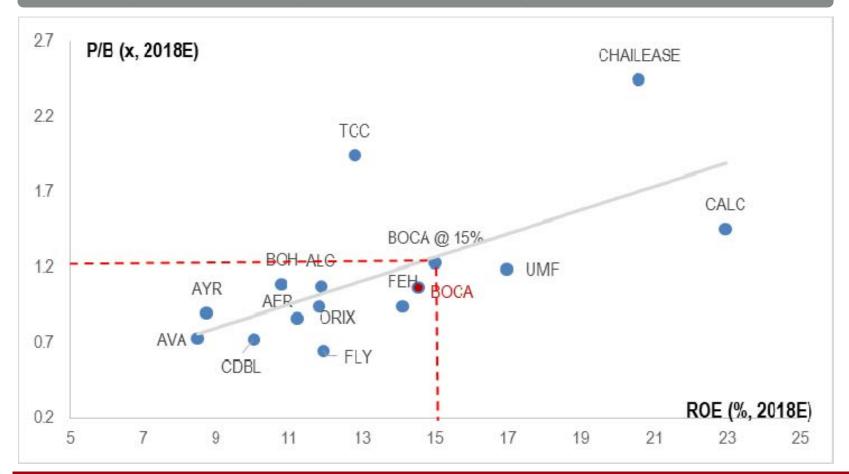
Our stable earnings and returns track record should justify a higher valuation





# 1) PB vs. ROE analysis

#### Using a broader industry makes for more meaningful valuation comparisons



Even in simplistic terms, BOC Aviation appears undervalued by 14% on long run average ROE

Source: Bloomberg, as at 16th May 2018





### **What Drives Industrial Corporate Valuations?**

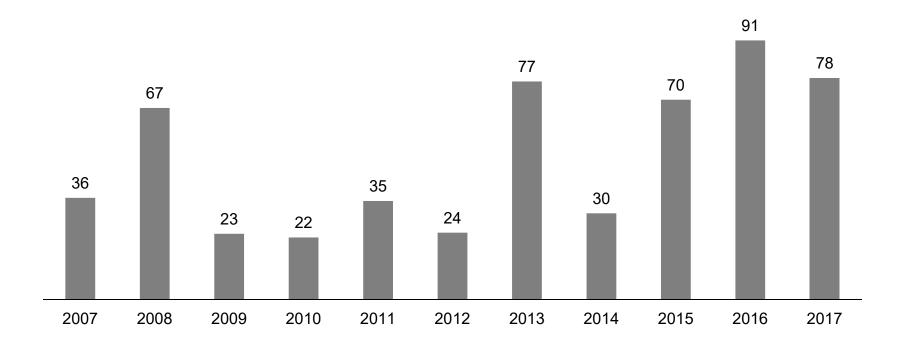
- 2) Hard asset values, which represent:
  - Cost of production as a floor
  - NPV of the asset's mid-cycle cashflows at average operator WACC
- 3) Franchise value
  - Management contribution
  - NPV of excess returns vs. comparable market alternatives





# 2) Gains on Sale Confirm Book Value is Historically Understated vs. Market Value

Pre-tax gain on sale of aircraft (US\$ million)



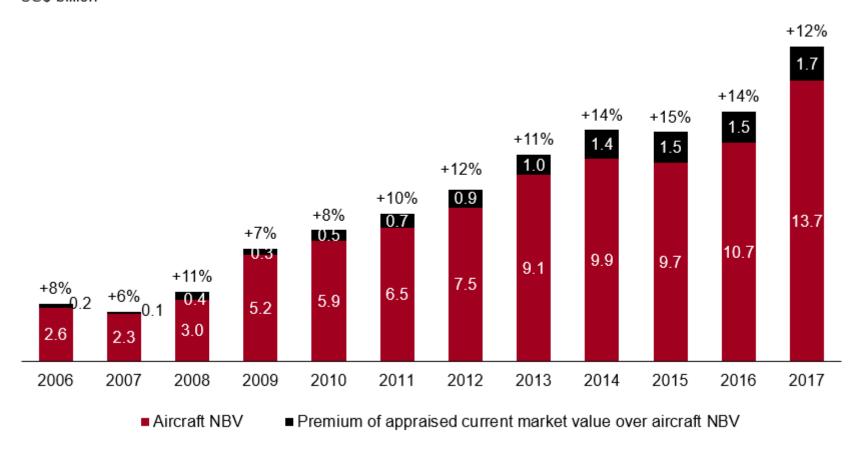
US\$553 million pre-tax gains on sale of 217 aircraft in last 11 years





### 2) Aircraft NBV vs Average Current Market Value<sup>1</sup>

US\$ billion



YEARS OF EXCELLENCE



<sup>&</sup>lt;sup>1</sup> Based on the average of five independent appraisers All data as at 31 December of relevant year unless otherwise indicated

# 3) Franchise Value Toolbox

Data	Value
2018E Equity Value <sup>1</sup> (US\$ bn)	4.0
Average remaining lease term (years)	8.1
5-yr average ROE (%)	15%
Global Asian Industrial 5-yr average ROE <sup>2</sup> (%)	12.7%

- What you still need to think of:
  - Book Value growth
  - Appropriate Cost of Equity





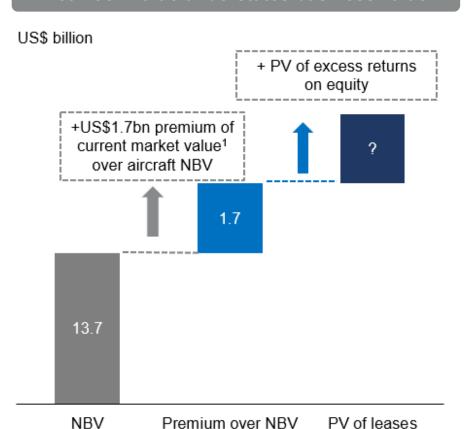
<sup>&</sup>lt;sup>1</sup> Bloomberg consensus

<sup>&</sup>lt;sup>2</sup> Source: Average of UBS, Goldman Sachs and Morgan Stanley investment research estimates

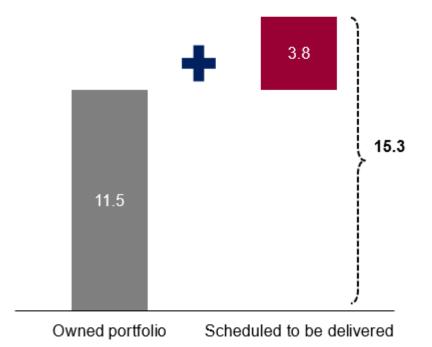
### Value Driven by Fleet and Committed Lease Revenues

#### Net Book Value understates business value

#### Committed future revenues of > US\$15 billion







#### Committed future lease revenues create additional value

All data as at 31 December 2017

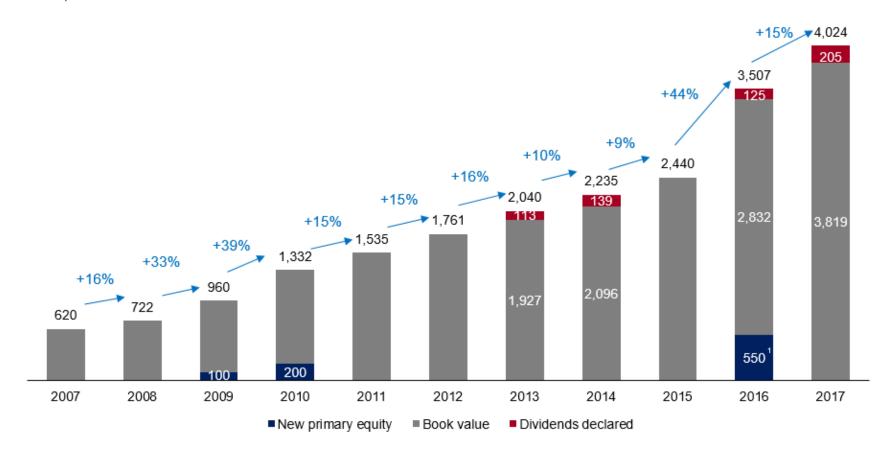




<sup>1.</sup> Based on an average of five independent appraisers' aggregate value for our owned fleet at US\$15.3 billion, on a full-life, current market value basis, which compared with a net book value of US\$13.7 billion

## **Growth in Cumulative Book Equity and Dividends**

**US\$** million



Shareholder wealth has grown at c.19% CAGR since acquisition by BOC

All data as at 31 December 2017 Notes:

IPO on 1 June 2016







### **Total Shareholder Return**

#### Best in class returns YTD<sup>1</sup>

BOC Aviation	60.0%
FLY Leasing	28.6%
Aercap	15.8%
China Aircraft Leasing Co.	10.5%
Aircastle	7.9%
Bohai Leasing	3.7%
CDB Financial Leasing	-12.4%
Avation PLC	-13.1%
Air Lease Corp	-18.5%

#### Total shareholder return ~25% since IPO

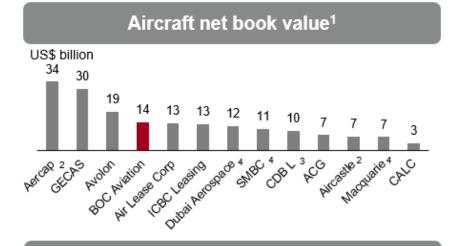


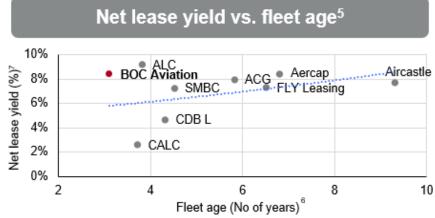
YEARS OF EXCELLENCE

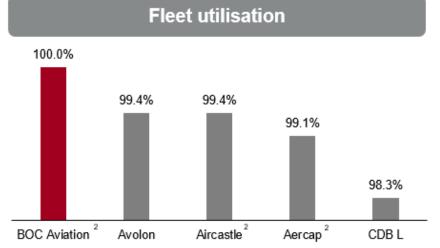


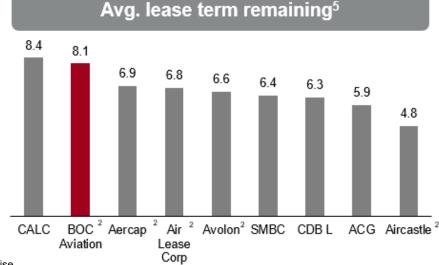
<sup>&</sup>lt;sup>1</sup> Source: Bloomberg, Annualised YTD total shareholder return as at 16<sup>th</sup> May 2018

### **Benchmarking and Differentiation**









Source: Respective company websites, FlightGlobal, BOC Aviation's computations
All data for the year ended 31 December 2017 or as at 31 December 2017 unless indicated otherwise
Notes:

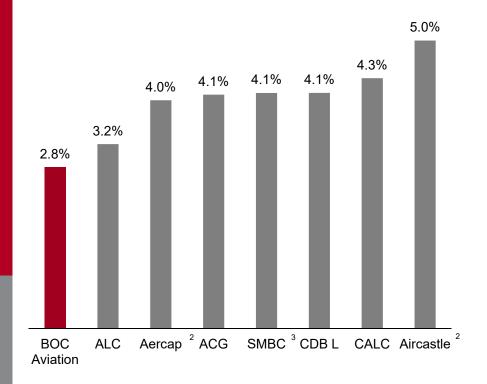
- 1. Including aircraft held for sale
- 2. As at 31 March 2018
- Including finance leases
- As at 30 September 2017
- Weighted by NBV of owned fleet
- As at 31 March 2018 for BOC Aviation, Aercap and Aircastle, 23 March 2018 for CALC, 31 December 2017 for CALC, ALC, SMBC, ACG
- 7. Annualised for the three months ended 31 March 2018 for Aercap and Aircastle





### **Benchmarking and Differentiation**





#### **Credit Rating**

	Etc.	000
Lessor	Fitch	S&P
BOC Aviation	Α-	A-
SMBC Aviation Capital	Α-	BBB+
Aviation Capital Group	ВВВ	A-
Air Lease Corporation	BBB	ВВВ
Aercap	BBB-	BBB-
Avolon	ВВ	BB+
Aircastle	NR	BB+
Dubai Aerospace	NR	ВВ
Fly Leasing	NR	BB-

Source: Respective company websites; Bloomberg, BOC Aviation's computations
All data for the year ended 31 December 2017 or as at 31 December 2017 unless indicated otherwise
Notes:

- Calculated as annualized interest expense for the year divided by average debt.
- 2. Annualised for the three months ended 31 March 2018
- 3. As at 31 March 2017





### Conclusion

- Attractively valued on any metric
- Leading player in a growth market and located at that market's epicentre
- Committed to increasing shareholder value
  - US\$15.3 billion pipeline of future committed revenue
  - Best in class funding costs
- Management team experience amongst the best in the world
  - Average 28 years of aviation, leasing and banking experience for senior management
  - Industry's longest-serving CEO with any one company
  - Management now even more aligned with investors through share ownership
- Established track record of operational and financial excellence as Asia's only major specialized aircraft operating leasing company

**BOC Aviation - a Company worth investing in** 







www.bocaviation.com