

**2017 Investor Day**AerCap Holdings N.V.

November 13, 2017

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This presentation contains certain statements, estimates and forecasts with respect to future performance and events. These statements, estimates and forecasts are "forward-looking statements". In some cases, forward-looking statements can be identified by the use of forward-looking terminology such as "may," "might," "should," "expect," "plan," "intend," "estimate," "anticipate," "believe," "predict," "potential" or "continue" or the negatives thereof or variations thereon or similar terminology. All statements other than statements of historical fact included in this presentation are forward-looking statements and are based on various underlying assumptions and expectations and are subject to known and unknown risks, uncertainties and assumptions and may include projections of our future financial performance based on our growth strategies and anticipated trends in our business. These statements are only predictions based on our current expectations and projections about future events. There are important factors that could cause our actual results, level of activity, performance or achievements to differ materially from the results, level of activity, performance or achievements expressed or implied in the forwardlooking statements. As a result, we cannot assure you that the forward-looking statements included in this presentation will prove to be accurate or correct. In light of these risks, uncertainties and assumptions, the future performance or events described in the forward-looking statements in this presentation might not occur. Accordingly, you should

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In addition to presenting financial results in conformity with U.S. generally accepted accounting principles ("GAAP"), this presentation includes certain non-GAAP financial measures. Reconciliations of such non-GAAP financial measures are set forth or referred to in the presentation where relevant. Non-GAAP financial measures should be considered in addition to, not as a substitute for or superior to, financial measures determined in conformity with GAAP.

Due to rounding, numbers presented throughout this document may not add up precisely to the totals provided and percentages may not precisely reflect the absolute figures.

## Agenda



Introduction



**Brian Canniffe**Head of Investor Relations

AerCap Update



Aengus Kelly
Chief Executive Officer

Leasing



Philip Scruggs
President & Chief Commercial Officer

## Agenda



Portfolio Management



Edward O'Byrne
Chief Investment Officer

Financial Performance



Peter Juhas
Chief Financial Officer

| Q&A and Closing Remarks



### Key Highlights Since Last Investor Day



### AerCap continued to perform strongly over the past 12 months...

### **Significant Level of Aircraft Transactions**



• Executed 418 transactions: leased 240, purchased 52, and sold and parted-out 126 aircraft<sup>12</sup>

### **Strong Marketing Activity**



Leased 100% of new aircraft deliveries through 2018 and 91% through 2019<sup>3</sup>

#### **Exceeded Sales Target**



\$2.5 billion of sales revenue<sup>1</sup>

#### **Strong Liquidity**



\$8.9 billion available liquidity including \$1.5 billion cash<sup>3</sup>

#### **Strong Earnings & Cash Flow**



Generated \$1.2 billion of net income<sup>1</sup>

<sup>(1)</sup> In the twelve months to September 30, 2017.

<sup>(2)</sup> Includes owned and managed aircraft.

<sup>(3)</sup> As of September 30, 2017.

### Key Highlights Since Last Investor Day

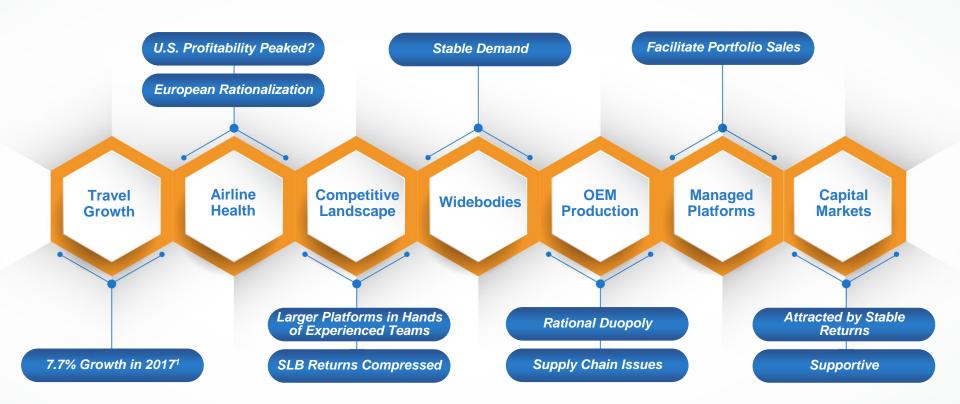


#### ...and achieved several key milestones

- >> New Order for 30 Boeing 787-9s
  - Making AerCap the largest customer for the 787 Dreamliner
- >> Investment Grade Credit Ratings
  - Only independent lessor with Investment Grade ratings from Moody's, Fitch, and S&P
- >> 10 Year Unsecured Bond
  - Raised \$1 billion at 3.65% coupon
- Share Repurchases
  - Over \$1 billion capital returned to shareholders in the last 12 months; \$2.6 billion cumulatively to date<sup>1</sup>
- Continued Book Value Per Share Growth
  - 17% growth from \$46.91 to current value of \$55.06 per share<sup>2</sup>
- (1) Last 12 months ends September 30, 2017. Cumulative to date is since the start of share repurchase program in June 2015 through October 27, 2017.
- (2) As of September 30, 2017.

## **Industry Overview**



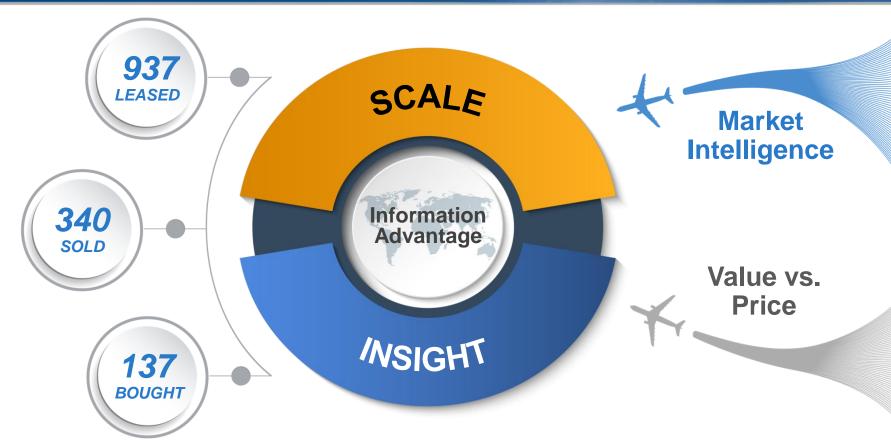


**48** 

IATA Passenger Analysis as of September 2017.

## The Importance of Scale





Number of transactions from July 1, 2014 to September 30, 2017. Includes owned and managed aircraft.

## Optimal Decision-Making





### AerCap's Business Principles



#### Our key business principles result in AerCap's consistent profitability

#### **PORTFOLIO** MANAGEMENT



- Focus on maintaining the most liquid aircraft types through aircraft acquisitions and disposals
- Assets owned in appropriate tax jurisdictions

#### **LEASING STRATEGY**



- Proactive risk management
- Highly diversified customer base
- Security deposits and maintenance reserves

#### **CAPITAL STRUCTURE**





- Focus on highly diversified, long-term funding and long-term assets
- Investment Grade ratings
- Relationships with over 100 banking institutions globally

#### **HEDGING PROGRAM**



Protection against interest rate volatility through a mix of interest rate caps, swaps and fixed-rate loans

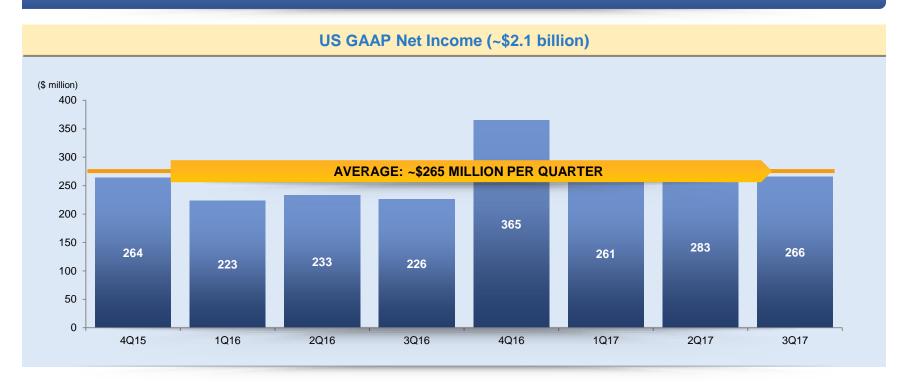
**CONSISTENT PROFITABILITY** 

**AERCAP** 

### Consistent Earnings & Cash Flow Generation



### AerCap's platform has generated strong and consistent results



### **Book Value Per Share Growth**



### AerCap has grown book value per share by ~16% per year since 3Q 2014



### Conclusions





**Strong Demand for Aircraft Due to High Travel Growth** 

**Scale is a Competitive Advantage** 

**Positive Outlook for AerCap** 



**GLOBAL LEADER IN AVIATION** 



Philip Scruggs
President & Chief Commercial Officer

### **Growing Industry**





#### AIR TRAFFIC IS A GROWING MARKET

Since 1986, air traffic has doubled every 15 years, growth forecast to continue<sup>1</sup>





### MIDDLE CLASS IS GROWING AND FLYING

+

Middle class to grow from 2.9 billion to 4.9 billion in 20 years<sup>2</sup>



# AIRLINES NEED OVER 41,030 NEW AIRCRAFT

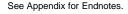
Boeing has increased 20-year forecast by 1,410 aircraft; China's estimate alone increased by 6% since 2016<sup>1</sup>



### INCREASING DEMAND FOR OPERATING LEASES

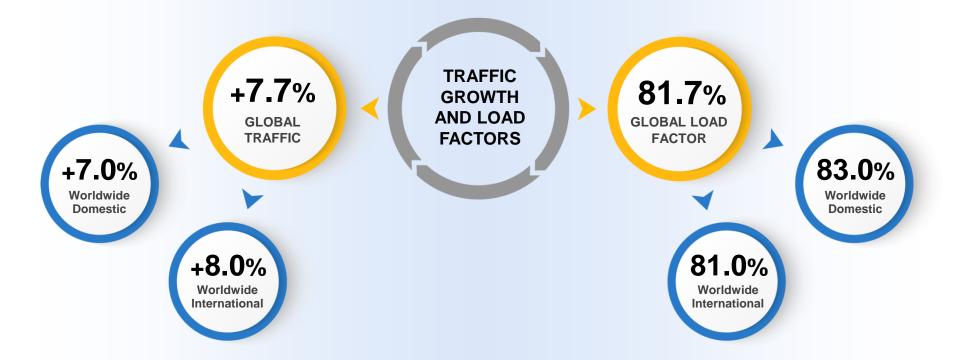


Over the past 20 years, the world fleet has doubled with the leased fleet quadrupling<sup>3</sup>



## Strong 2017 Traffic Figures





IATA Passenger Analysis as of September 2017.

### Global Demand Movement from 2012



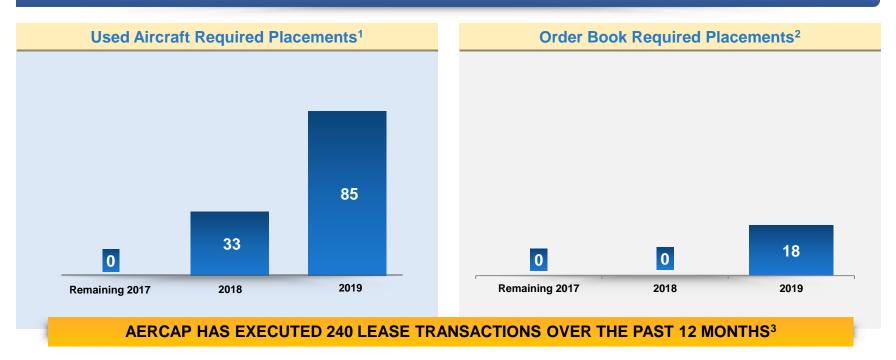


IATA: Passenger Traffic Growth (RPK) %, 2012-2017F.

### Aircraft Placement Remains Strong



### The placement of our upcoming scheduled expiries and new aircraft deliveries is on track



- (1) Required placements for owned fleet. Excludes aircraft leased either under a lease or letter of intent and aircraft identified as sale or part-out as of November 7, 2017.
- (2) Required placements for aircraft on order. Excludes aircraft leased either under a lease or letter of intent as of November 7, 2017.
- 3) Includes owned and managed aircraft, as of September 30, 2017.

# Vision, Reach & Scale – The AerCap Advantage



#### Lessor scale enables fleet-wide solutions







### AerCap's 787 Vision

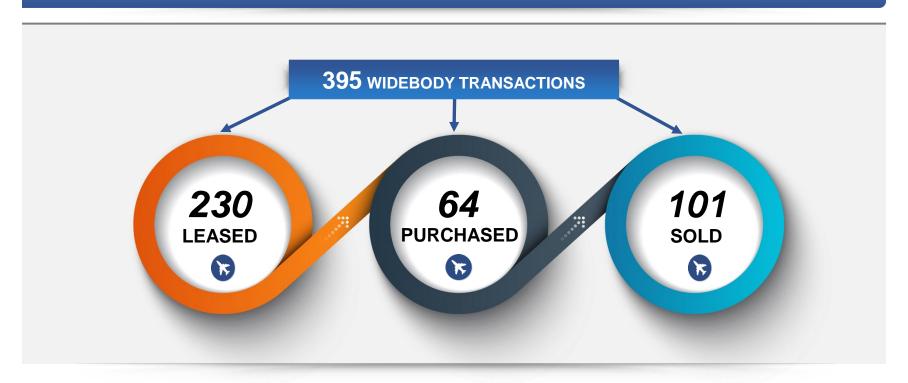




## AerCap Understands Widebody Aircraft



AerCap leased, purchased and sold 395 widebody aircraft since July 20141



<sup>(1)</sup> Number of transactions from July 1, 2014 to September 30, 2017. Includes owned and managed aircraft.

### Widebody Aircraft – What Drives Demand

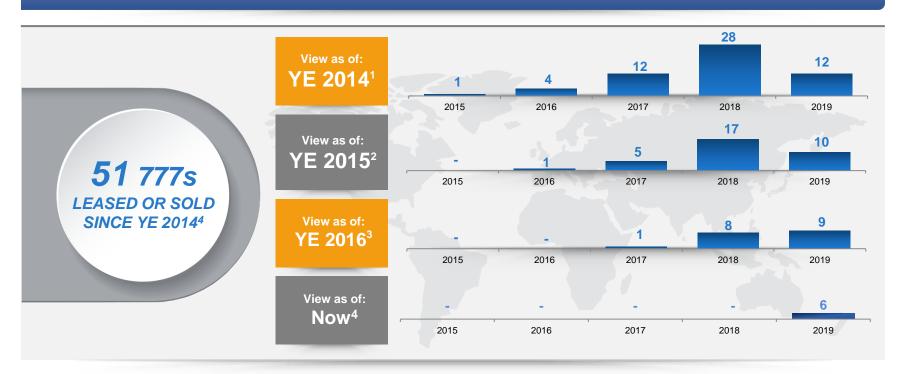




### 777 Aircraft Continue to Be Placed



### Placement status of Boeing 777s

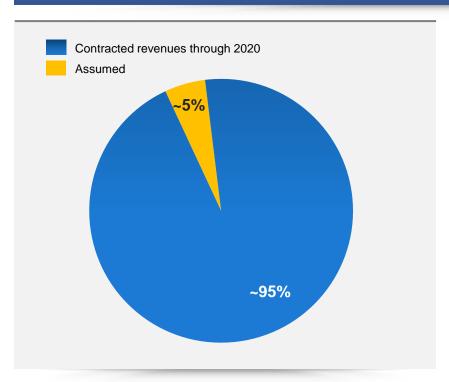


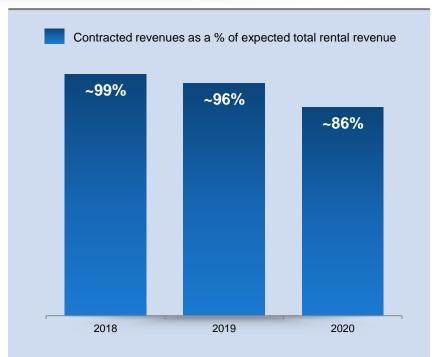
See Appendix for Endnotes.

# Clear Visibility of Top Line Revenue



#### Revenue for the next 3 years already contracted





Refer to slide 2: Disclaimer Incl. Forward Looking Statements & Safe Harbor.

# Our Planes Are Consistently Flying and Earning Revenue TAERCAP





YTD as of September 30, 2017.

### Conclusions







### Portfolio Management



#### Discipline enables sustainable superior returns for our leasing portfolio

#### **GOALS**

- Maintain the Most Liquid Portfolio of In-Demand Assets
- Balance Yield & Manage Residual Value
- Generate Minimum of \$1 Billion in Annual Liquidity

#### **ACTIONS**

- Disciplined Investment / Divestment Policy
- Prudent Depreciation Policy
- World's Most Active Mid-Life Aircraft Trader

#### **RESULTS**

- 99+ % Portfolio Utilization
- Consistently Profitable,
   Average Margin of 5 –
   10%
- ~\$2.5 Billion of Sales in the last 12 months

### Portfolio Transformation



2014

~\$36B VALUE 7.6 AVG. AGE 2017

Our portfolio will grow by over 25% from today, new technology will represent over two-thirds of our fleet by 2021

New Tech. (Potential SLBs)

New Tech.

**Actual & Contracted** 

**2021** 

~\$43B VALUE ~6 AVG. AGE

Current Technology WB & Out-of-Production Aircraft

737NG

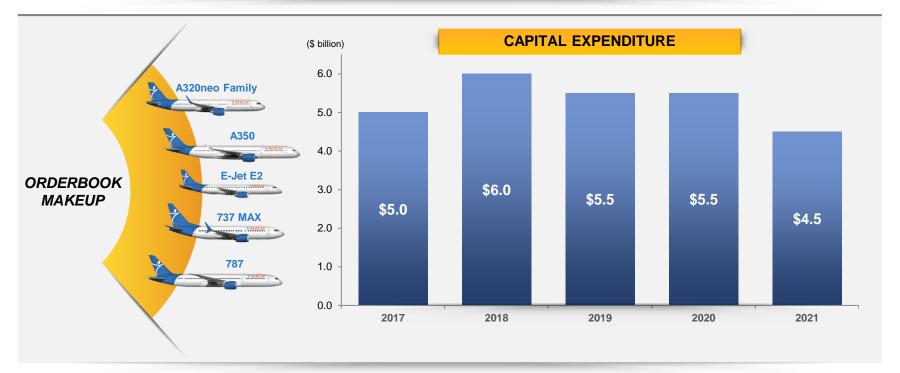
A320 Family

See Appendix for Endnotes.

### Attractive Order Book of Liquid Aircraft



### AerCap is well-positioned to meet future demand

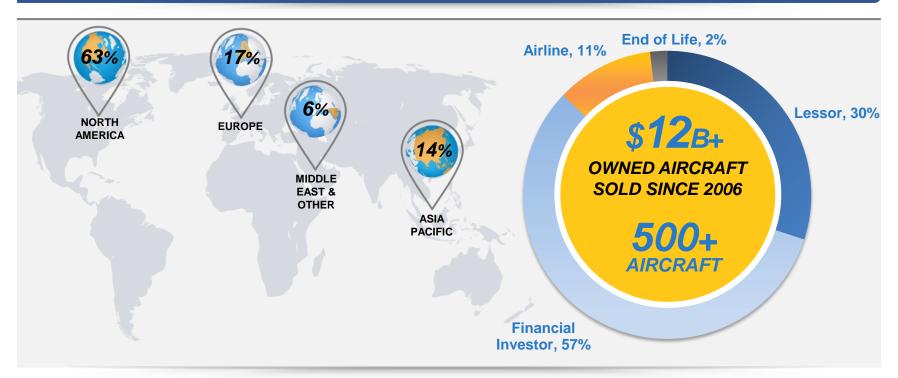


As of September 30, 2017.

### Trading Depth, Scale & Diversification



### Over a decade of proactive trading



As of September 30, 2017.

# Aircraft Trading Results



#### Last 12 months' trading activity remains above targets



FOCUS ON MID-LIFE AIRCRAFT TO IMPROVE OVERALL QUALITY OF OUR PORTFOLIO & EARNINGS

See Appendix for Endnotes.

### The Business Case for Aircraft Investments



### Investment rationale is different across investor spectrum



#### STRONG INDUSTRY FUNDAMENTALS

- Proven long-term resilient growth market
- Big-ticket infrastructure like deals
- Long lived assets match long-term
- Uncorrelated to traditional asset classes
- **Build-to-fly: Rational supply** by OEMs
- High current income
- High asset utilization underpinned by long-term leases and low portfolio churn
- Low aircraft value volatility a fraction of shipping volatility

In the twelve months to September 30, 2017. Includes finance and sales-type leases.

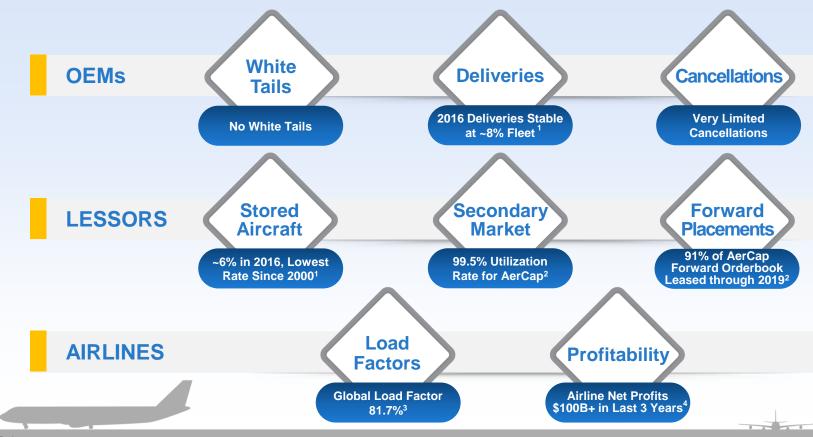


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Key Investment Themes

### Are Supply & Demand Balanced?





See Appendix for Endnotes.

# High Productivity Gains ... Maxed Out?



Aircraft productivity has reached optimum levels and thus will be difficult to improve further; This will lead to a tighter correlation between traffic growth and aircraft demand







188 PAX/flight



**73.5%** Load factor

**Present** A330-200





**206** PAX/flight



80.3% Load factor

1 Present = 1.2x 1

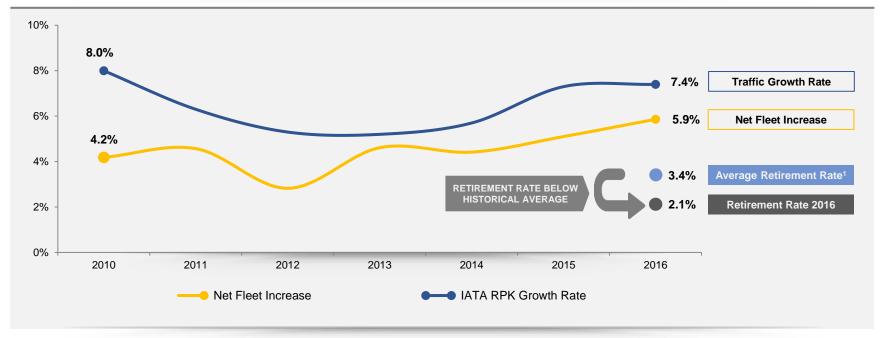


Source: FlightGlobal Fleets Analyzer, Boeing, IATA.

## Traffic Growth Continues to Exceed OEM Production



Elevated traffic growth and diminishing efficiency gains are driving aircraft demand; While the delivery rate remains stable, fleet growth is resulting in higher demand for used aircraft and low retirement



Average Retirement Rate 2007-2016.
 Source: FlightGlobal Fleets Analyzer: Airbus, Boeing, McDonnell-Douglas passenger jets.

## Conclusions





**Balanced Supply and Demand for Aircraft** 

**Disciplined Portfolio Transformation Strategy** 

**Scale is a Competitive Advantage** 



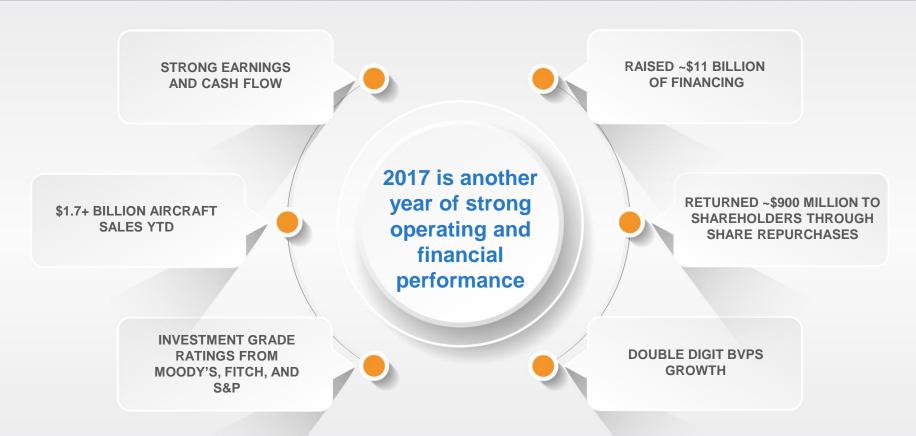
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Financial Performance

Peter Juhas
Chief Financial Officer

# Financial Summary

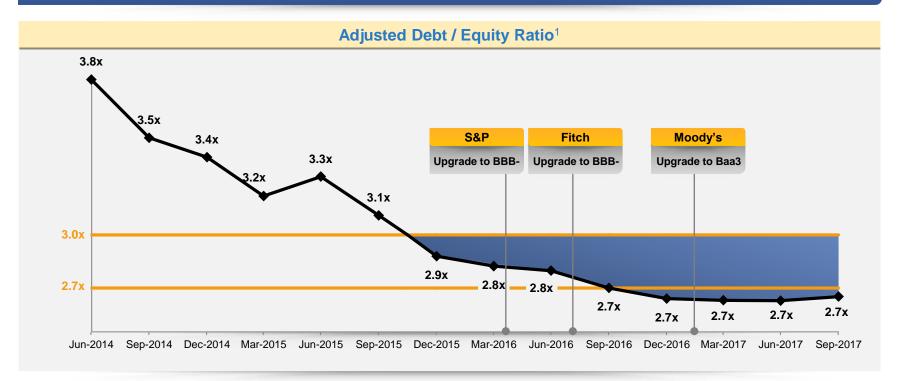




# Improved Debt / Equity Ratio



## AerCap has significantly de-levered since July 2014

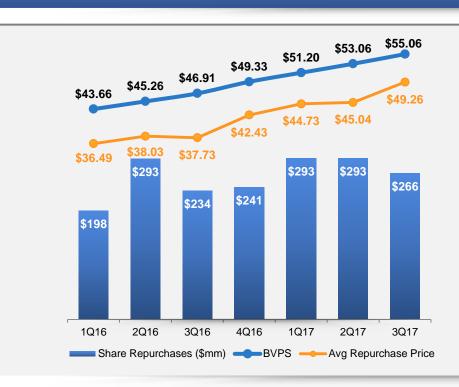


See Appendix for Endnotes and a reconciliation of Adjusted Debt / Equity Ratio to the comparable GAAP measure.

# Excess Capital Deployment



## We have continued to deploy excess capital for share repurchases



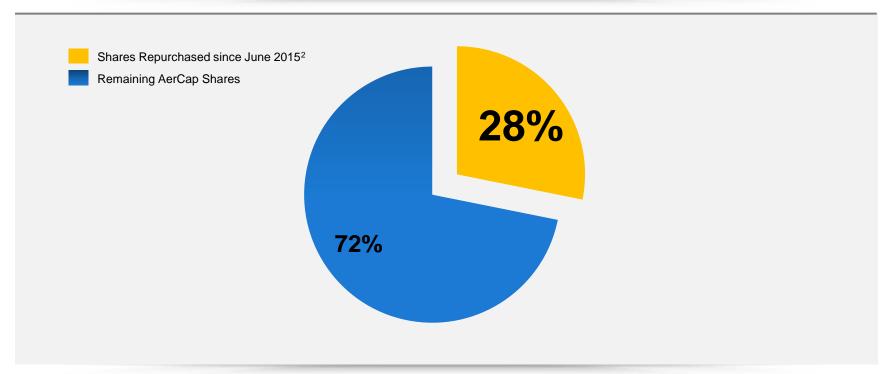
- In 2016, we repurchased 25 million shares at an average price of \$38.62 for a total of \$966 million
  - Average discount to book value of 16%
- In 2017, we have purchased 19.2 million shares at an average price of \$46.37, for a total of \$888 million<sup>1</sup>
  - Average discount to book value of 13%

Through October 27, 2017.

# Track Record of Returning Capital to Shareholders



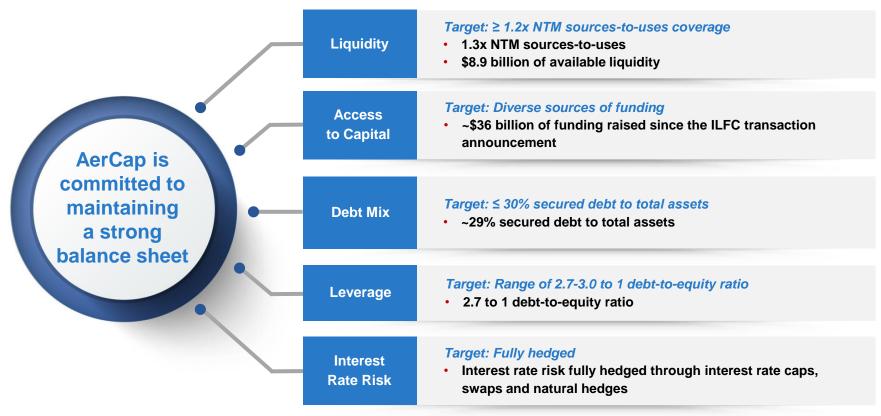
### Returned more capital to our shareholders than 96% of S&P 500 companies<sup>1</sup>



See Appendix for Endnotes.

# Conservative Approach to Liquidity & Funding





As of September 30, 2017. See Appendix for a reconciliation of Adjusted Debt / Equity Ratio to the comparable GAAP measure.

## Strong Liquidity Position



## \$8.9 billion of available liquidity as of September 30, 2017

### **Sources vs. Uses (Next 12 Months)**

Sources (for 12 months to September 30, 2018)	(\$ billion)	
Unsecured Revolver		3.9
Other Facilities and Contracted Sales		3.5
Unrestricted Cash		1.5
Total Available Liquidity		8.9
Estimated Operating Cash Flow		3.2
Total Sources <sup>1</sup>		12.1

Uses (for 12 months to September 30, 2018)	
Debt Maturities	(3.1)
Capex (Cash payments for purchases) <sup>2</sup>	(6.0)
Total Uses	(9.1)
Excess Coverage (Sources less Uses)	3.0
Ratio of Sources to Uses	1.3x



### **Liquidity Levels Since July 2014** (\$ billion) 10.0 10.5 9.5 9.5 9.2 9.1 9.0 8.9 9.0 7.3 7.2 7.5 6.6 6.4 6.0 1.5x 1.5x 1.5x 4.5 1.2x Target 3.0 1.5 101 ,015 ,015 3015 1015 ,016 ,016 3016 1016 ,01 ,01 301 Available Liquidity Ratio of Sources to Uses

# Global Funding Partners



## Over 100 bank relationships and over 450 fixed income investors

### **North America**

AIG
Apple Bank
Bank of America
Barings
Citi
Citizens Bank
Everbank
Fifth Third Bank
Goldman Sachs
JP Morgan
Key Corp

Morgan Stanley
New York Life
Principal
RBC
Regions Bank
Scotia
SunTrust
Toronto Dominion
US Ex-Im
Wells Fargo

MetLife

Recent additions to lender group

### Europe

**Deutsche Bank ABN Amro** Airbus Bank DVB Allied Irish Bank **European ECAs** AKA Helaba **Barclavs HSBC** BLB ING **BNP Paribas KFW** Bank of Ireland **Natixis** CIC Nord LB Commerzbank Rabobank Credit Agricole **RBS** Credit Suisse Santander Dekabank Siemens Société Générale

### **Asia Pacific**

Aozora Bank The Bank of East Asia Bank of Kaohsiung Bank of Taiwan Bank SinoPac Cathay United Bank CBA CDB Chailease Finance (B.V.I) Co. Chang Hwa Bank China Merchants Bank The Chiba Bank The Chugoku Bank CCB **CTBC Bank Development Bank of** Japan **DBS Bank E.SUN Commercial** Bank Ex-Im Bank of ROC **First Commercial Bank** of Taiwan

First Abu Dhabi Bank Fuyo General Lease Co. The Gunma Bank The Hachijuni Bank The Higo Bank Hua Nan Commercial Bank The Hyakugo Bank ICBC Industrial Bank of Korea Industrial Bank of Taiwan The Iyo Bank The Joyo Bank **KEB Hana Bank KGI Bank** Korea Development Bank Land Bank of Taiwan Mega ICBC Mizuho MUFG National Australia Bank

The Nomura Trust and Banking Co. NTT Finance Samsung Life Insurance Shanghai Commercial & Savings Bank Shinkin Central Bank The Shizuoka Bank SMBC **SMTB** State Bank of India Taichung Commercial Bank Taipei Fubon Bank Taishin International Bank Taiwan Business Bank **Taiwan Cooperative** Bank Taiwan Shin Kong Commercial Bank The Tokyo Star Bank Yuanta Commercial Bank Woori Bank

## AerCap's Hedging Program



## AerCap's hedging program protects the company against increases in interest rates



<sup>1)</sup> As of September 30, 2017.

## AerCap's Prudent Aircraft Values



## Disciplined approach to carrying values

### **AIRCRAFT VALUE**

- Focused on buying aircraft at the right price
- ~75% of aircraft fair valued in June 2014<sup>1</sup>

# CONSERVATIVE DEPRECIATION APPROACH

- We perform detailed reviews of depreciation schedules by aircraft each year
- Overall depreciation rate of over 6%<sup>2</sup>, versus ~5% implied by industry standard curve

### **GAIN ON SALE**

 Average gain on sale of 5 – 10%

The volume of our transactions provides us with a unique insight into aircraft values

- (1) Percentage of net book value as of September 30, 2017.
- (2) Depreciation rate, including maintenance rights amortization.



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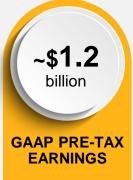


# On Track for a Strong Full Year 2017



## Expected full year 2017 financial performance







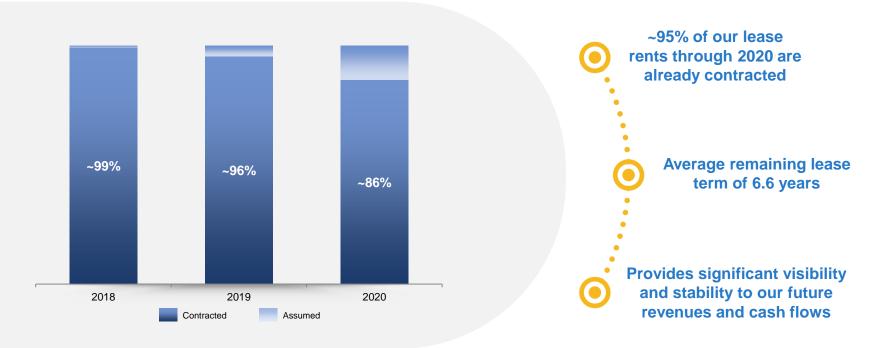


Refer to slide 2: Disclaimer Incl. Forward Looking Statements & Safe Harbor.

# Highly Predictable Revenue



### Revenue line booked well into the future



Refer to slide 2: Disclaimer Incl. Forward Looking Statements & Safe Harbor.

# Key Drivers



## Younger aircraft portfolio while maintaining strong margins

	2017E	2018E	2019E
Weighted Average Age <sup>1</sup>	~6.9	~6.4	~6.2
Yield <sup>2</sup>	~12.2%	~11.6%	~11.2%
Average Interest Rate <sup>3</sup> (including debt issuance costs & fees)	~4.0%	~4.0%	~4.0%
Net Spread	~9.0%	~8.5%	~8.1%
Depreciation Rate (including maintenance rights amortization)	~6.1%	~5.5%	~5.1%
Net Spread Less Depreciation <sup>4</sup>	~2.9%	~3.0%	~3.0%

- Weighted average age of portfolio will decrease as we take delivery of new aircraft, resulting in both a
  lower yield and a lower depreciation rate
  - Increasing level of new technology aircraft reduces average age and overall risk in aircraft portfolio

Refer to slide 2: Disclaimer Incl. Forward Looking Statements & Safe Harbor. See Appendix for Endnotes.

## Excess Capital Generation



## AerCap will continue to generate significant excess capital

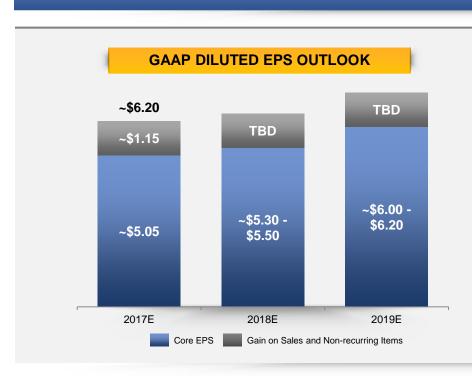
(\$ billion)	2018E	2019E
Contracted purchases	~6.0	~5.5
Expected sales	~1.5	~1.0
Expected excess capital remaining after contracted purchases	~0.7	~0.3

- We expect to generate a total of \$1.0+ billion of excess capital during 2018 and 2019 after contracted purchases
  - This assumes ~\$1.5 billion of asset sales in 2018 and ~\$1.0 billion in 2019

## **EPS Outlook**



### Core EPS will continue to grow



### 2017 Earnings on Track:

 Core EPS of ~\$5.05 and total EPS of ~\$6.20

### 2018 Core EPS:

 Up ~5% over 2017, primarily driven by redeployment of excess capital

### 2019 Core EPS:

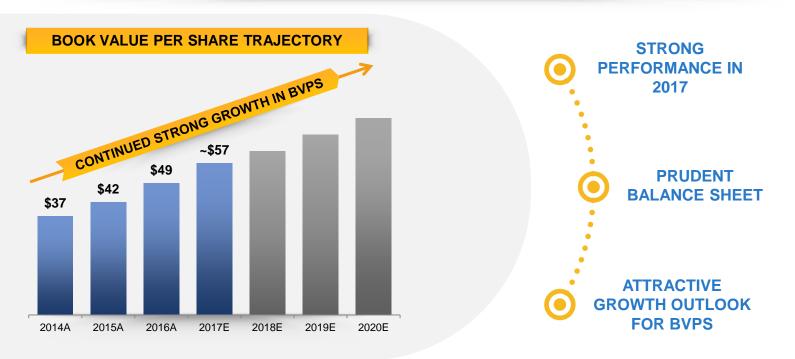
 Up ~10% over 2018, primarily driven by asset growth

Refer to slide 2: Disclaimer Incl. Forward Looking Statements & Safe Harbor.

# Financial Summary



## Positive outlook for AerCap



Refer to slide 2: Disclaimer Incl. Forward Looking Statements & Safe Harbor.

# Closing Remarks







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Q&A

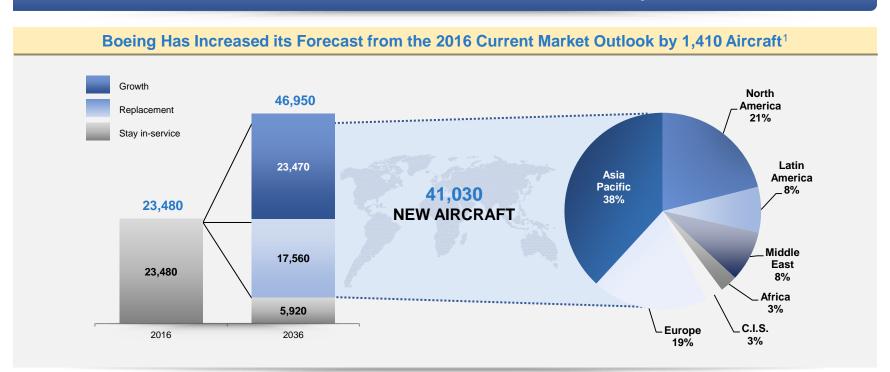
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# Strong Growth Over the Long Term



## Airlines need 41,030 new aircraft over the next 20 years

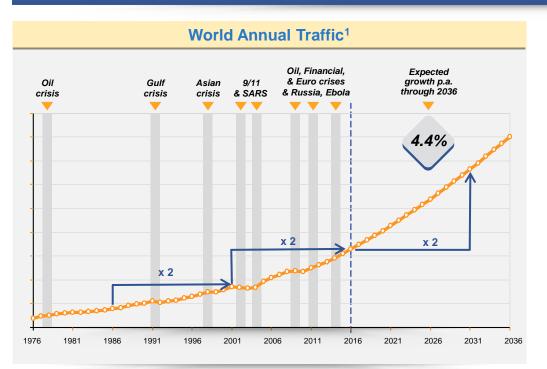


<sup>(1)</sup> Boeing Current Market Outlook 2017, includes regional jets.

## Air Travel Growth



## Resilient, growing air travel market expected to continue



### **Robust Global Traffic**

- Air traffic doubles every
   15 years<sup>1</sup>
- 2017 world traffic has grown by 7.7% to date<sup>2</sup>
- 2017 total passenger expected to be 4.1 billion, up from 3.8 billion in 2016<sup>3</sup>

- (1) Airbus Global Market Forecast 2017, RPK: Revenue-Passenger-Kilometers.
- (2) IATA Passenger Analysis as of September 2017.
- 3) IATA June 2017 Forecast Actual or estimate for 2016 and forecast for 2017 for global commercial airlines.

# Middle Class Is Growing and Flying



## Middle class to grow from 2.9 billion to 4.9 billion in 20 years





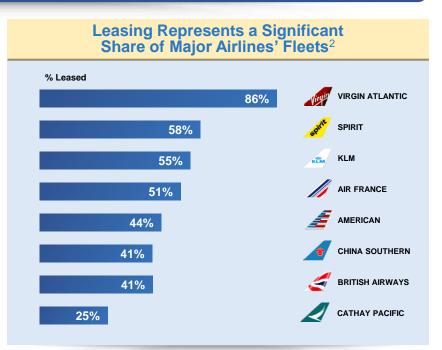
- (1) Oxford Economics, Airbus; Households with yearly income between \$20,000 and \$150,000 at PPP in constant 2016 prices.
- (2) Estimate split for 1996 by region.

# Increasing Demand for Operating Leases



# Over the past 20 years the world fleet has DOUBLED while the operating lease fleet size has QUADRUPLED



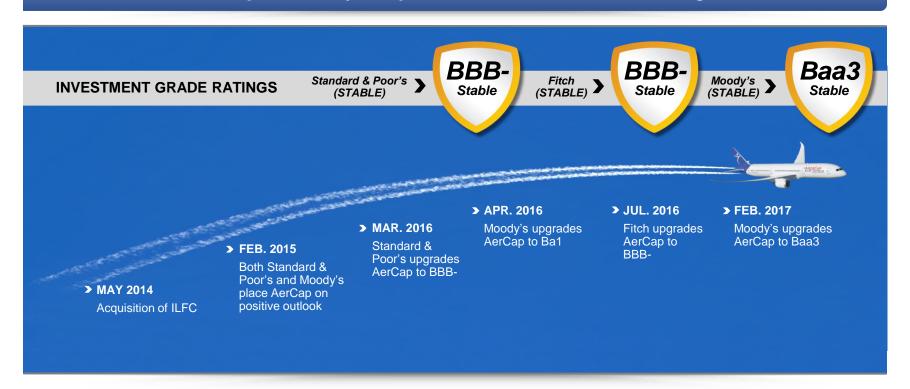


- (1) FlightGlobal Fleets Analyzer as of September 30 for each respective year: Airbus, Boeing, McDonnell-Douglas in-service passenger jets.
- (2) FlightGlobal Fleets Analyzer as of September 30, 2017: Leased summary share, Airbus, Boeing, McDonnell-Douglas in-service, passenger jets.

# Investment Grade Ratings



## AerCap is the only independent lessor with three IG ratings



Note: Three IG ratings refer to AerCap's Investment Grade rating status with the three main rating agencies: Standard & Poor's, Fitch Ratings, and Moody's.

# Adjusted Debt / Equity Ratio





Adjusted Debt/Equity Calculation (\$ million)	Sept. 30, 2017
Debt (including fair value adjustments)	27,288
<ul><li>Adjusted for:</li><li>Unrestricted cash &amp; cash equivalents</li><li>50% equity credit for long-term subordinated debt</li></ul>	(1,454) (750)
Adjusted Debt	25,084
Equity	8,603
<ul><li>Adjusted for:</li><li>50% equity credit for long-term subordinated debt</li></ul>	750
Adjusted Equity	9,353

<sup>1)</sup> As of September 30, 2017.

## **Endnotes**



#### **SLIDE 16: Growing Industry**

- Airbus Global Market Forecast 2017-2036; Boeing Current Market Outlook 2017.
- 2. Oxford Economics, Airbus; Yearly household income \$20,000-\$150,000.
- 3. FlightGlobal Fleets Analyzer as of September 30 for each respective year: Airbus, Boeing, McDonnell-Douglas in-service passenger jets.

#### SLIDE 24: 777 Aircraft Continue to be Placed

- 1. Scheduled expiries as of December 31, 2014.
- 2. Required placements as per our 4Q 2015 financial results presentation
- 3. Required placements as of December 31, 2016.
- Placed aircraft include released, extended, sold or to be parted-out either under a contract or letter of intent as of October 20, 2017.

#### SLIDE 30: Portfolio Transformation

As of June 30, 2014; September 30, 2017; December 31, 2021, respectively. Incl. maintenance rights intangible & net investment in finance and sales-type leases. Refer to slide 2: Disclaimer Incl. Forward Looking Statements & Safe Harbor.

 Widebody: 777s, A330s; Out-of-production aircraft: 757s, 767s, 737 classics, CRJ, MD-11, 747s, A340s, A310s.

#### **SLIDE 33: Aircraft Trading Results**

- 1. As of September 30, 2017. Owned aircraft sold including sales and reclassifications to finance and sales-type leases.
- 2. As of September 30, 2017. Owned aircraft sold excluding sales and reclassifications to finance and sales-type leases.

### **SLIDE 36: Are Supply and Demand Balanced?**

- FlightGlobal Fleets Analyzer as of October 27, 2017: Airbus, Boeing, McDonnell-Douglas in-service, on order and in-storage passenger jets.
- Utilization YTD as of September 30, 2017. Placements as of September 30, 2017.
- 3. IATA Passenger Analysis as of September 2017.
- 4. IATA Industry Statistics June 2017 actual for 2015 and 2016, forecast for 2017 for system-wide global commercial airlines.

### **SLIDE 42: Improved Debt / Equity Ratio**

 Adjusted Debt/equity ratios are calculated by dividing adjusted debt by adjusted equity. Adjusted debt is calculated as follows: debt less cash and cash equivalents, less 50% equity credit for long-term subordinated debt. Adjusted equity is calculated as follows: total equity plus 50% equity credit for long-term subordinated debt.

### **SLIDE 44: Track Record of Returning Capital to Shareholders**

- Sourced from CapitalQ; reflects AerCap rank relative to S&P 500 constituents as of May 4, 2017.
- 2. As of September 30, 2017.

### **SLIDE 53: Key Drivers**

- 1. Age at year-end.
- Basic lease rents divided by average book value of flight equipment, net investment in finance and sales type leases and maintenance rights intangible.
- Interest expense including fair value amortization divided by average debt, including debt fair value.
- 4. Depreciation rate including maintenance rights amortization.

