



## **Equity Research Division**

# Air Lease Corp.

**US-based B2B Aircraft Lessor** 

Target Price: \$ 61.51 Current Price: \$ 47.29 Upside Potential: 30.06%

Recommendation: BUY Investment Horizon: 1 Year

Vienna, June 10th, 2021

### **Team Overview**

### **Equity Research**















**Patrick** Pötzi Head of **Equity Research** 

Krisztina **Jakubec** 

**Associate** 

- Michael Hacker
- **Associate**



**Analyst** 

- **Nandor** Malacea
- **Analyst**



**Analyst** 

**Philipp** 

- Task distribution
- Story guideline
- KPIs
- Valuation

- Business Analysis
- Micro Research
- Industry Analysis
- Macro Research
- Peer Analysis
- **Business Analysis**  Macro Research
  - Micro Research























- BSc. (WU)
  - MSc. 3<sup>rd</sup> Sem.
- LLB. (WU) 2<sup>nd</sup> Sem.
  - BSc.

■ BSc. (WU)

BSc. (WU) – 6<sup>th</sup> Sem.

# **Agenda**

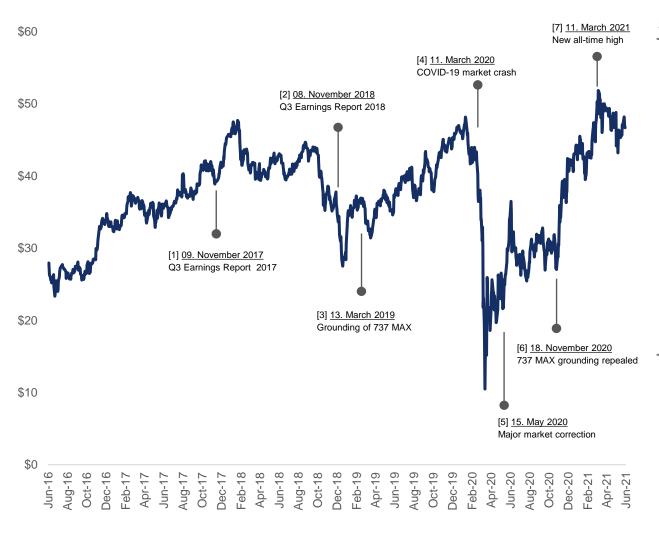


1	Executive Summary	3
2	Business Overview	6
3	Market and Industry Overview	11
_		_
4	Financial Analysis & Valuation	18
5	Diek Metrix	22
3	Risk Matrix	22
6	Conclusion	24
		=
7	Appendix	26

### **Share Price Performance**







#### Share price - Major Events

- [1] 09.11.2017 (+4%) Published Q3
   Earnings Report: 19.6% increase in revenue
- [2] 08.11.2018 (-5%) Published Q3
   Earnings Report: Decrease of fleet size
- [3] 13.03.2019 (-7%) Grounding of Boeing 737 MAX as a result of two tragic crashes
- [4] 11.03.2020 (-73%) COVID-19 market crash
- [5] 15.05.2020 (+43%) Massive market correction, as well as multiple airline bailouts
- [6] 18.11.2020 (+12%) FAA repeal the grounding of Boeing 737 MAX
- [7] 11.03.2021 (+7%) New all time high stock price at \$51.85

### **Key Stats**

- **IPO** in 2011 at \$ 28.16
- Quickest company to go from foundation to IPO to be listed on NYSE
- Close 08.06.2021: \$47.29
- **Price Range** since IPO: \$8.41 \$51.85
- 52 Week **Price Range**: \$25.44 \$51.85
- Market Capitalization: \$5 397 million

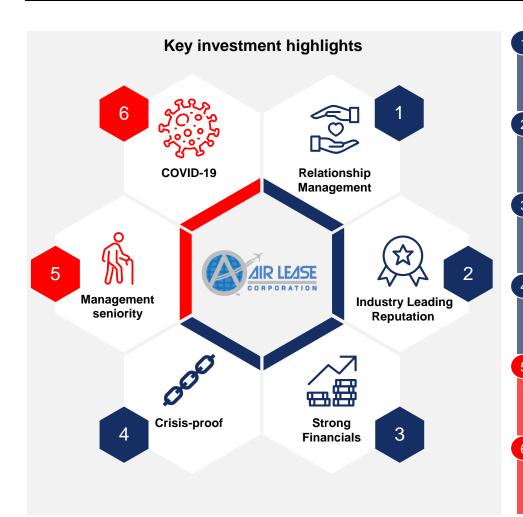
### **Investment Thesis**







### A "family-owned business" with a \$25 B balance sheet



Long-term relationships and contracts allow the company to leverage their strong market position when acquiring new aircraft from OEMs

As a result of great **customer satisfaction** due to their cooperativeness Air Lease enjoys a high-end reputation resulting in less lease terminations than peers

Stable profitability and cash flow generation is backed by solid solvency and liquidity measures ensuring safe debt serving even during the COVID-19 pandemic

Aircraft leasing proves to be a crisis resilient business model with little correlation to airline financial distress due to government support & broad diversification

In comparison to its competitors top-management is highly aged but consists of **industry pioneers** that add **enormous value** to the firm

Uncertainty if government funding can keep airlines afloat in case the COVID-19 situation worsens due to mutations



## **Company Overview I**









### Air Lease is an established business with industry shaping management

### **Business description**

- American aircraft leasing company with over 113 customers in 70 countries
- Air Lease purchases planes directly from manufacturers and, opportunistically, on the secondary market and leases these planes to clients worldwide
- Revenue is also generated from selling the planes and fleet management

Headquarters: Los Angeles, Unites States

Established: 2010

Employees: approx. 120 employees as of the end of 2020

### **Financials**

M USD	2017	2018	2019	2020
Revenue	1,516	1,679	2,016	2,015
Revenue Growth (%)	6.9%	10.8%	20.1%	(0.1%)
Depreciation	508	582	703	781
Depreciation (%)	34%	35%	35%	39%
Cost of funds	3.42%	3.46%	3.34%	3.13%
Leverage	2.35x	2.40x	2.41x	2.73x
EBIT	897	983	1,170	1,121
Net Income	756	510	587	516

#### Management team



Steven Udvar-Házy (75), Founder and Executive Chairman

- Executive CoB since July 2016, CEO beforehand
- Industry pioneer with experience since the 1970s
- Self-made billionaire from prior ventures & licensed pilot



John L. Plueger (66), CEO and President

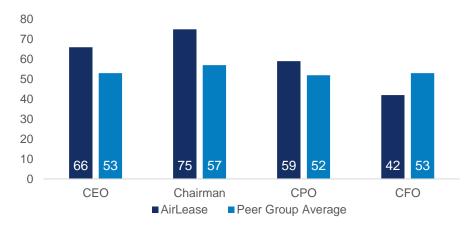
- Co-founder of Air Lease
- 35+ years of industry experience
- CPA and licensed pilot



Gregory Willis (42), CFO and VP

- Joined Air Lease in 2010 as CFO
- Prior experience at ILFC, Mellon Financial & PWC
- CPA

### Age distribution of management<sup>1</sup> in comparison to competitors



## **Company Overview II**





▲ DELTA

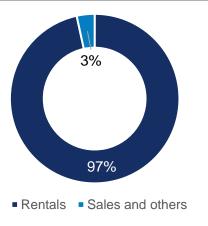
**American** 

**Airlines** 



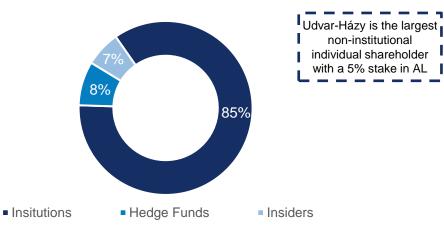
### Air Lease is well diversified in terms of customers and geography

### Revenue split per segment

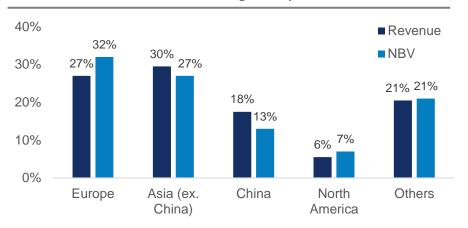


Sales usually make up between 3 – 7% of total revenue

#### Shareholder structure



### Revenue & fleet net book value<sup>1</sup> – regional split



#### Customers



- Largest customer makes up ~7% of Air Lease' revenue
- Around 73% of Air Lease' fleet is leased to national flag carriers or airlines with government ownership

## **Strategy Overview**









S

Air Lease has built its strategy on three pillars



### Revenue

- Air Lease purchases aircraft from Airbus and Boeing and leases these aircraft to airlines worldwide
- Higher margins through discounts from bulk / early orders and long-lasting relationships
- Manages fleets from investment vehicles for a management fee
- Sells aircraft once they reached approx.
   one third of their useful life



## **Financing**

- Aircraft leasing is a capital-intensive industry
- Cost of debt is therefore crucial for the bottom line of Air Lease
- Cost of debt in Q1 of 2021 was 3.02%
- **D/E target ratio** is around 2.5
- Interest rate on latest debt issuance for
   Short-term debt: 3M Libor + 0.35%
   (=0.49%) (0.6B USD, 1.5Y maturity)
   Medium-term debt: 1.875% (1.2B USD, 5Y)



## **Sustainability**

- Sustainability on the product as well as the growth side
- Young and fuel-efficient fleet keeps carbon footprint of customers at a minimum, while providing flexibility
- Actively contributing to the design and layout of Airbus & Boeing airplanes, thereby pushing to reduce emissions
- Natural internal growth of company rather then aggressive expansion

Air Lease leverages the spread between lease rates and costs of borrowing to acquire planes directly from OEMs thereby leveraging bulk orders and deep relationships to fuel growth by providing airlines with new, ESG-friendly planes

### **Revenue Generation**









Air Lease directly owns most of their leased-out fleet but also offers management services

#### Sources of rental revenue



- Lower purchase prices as a result of long-term connections with suppliers lead to a higher profitability
- Due to highly experienced management Air Lease can offer more flexibility for customers
- Generally, planes get leased on a long-term contract to airlines
- Sale of aircraft after approx. eight years to minimize the residual value<sup>1</sup> risk and to keep fleet young, fuel efficient and ESG-friendly



- Air Lease generates additional revenue through management fees
- Services include key operating tasks to run an aircraft
- Allows customers to maximize efficiency and offers more flexibility for Air Lease' existing customers
- Enables Air Lease to expand its customer base
- Additional revenue stream generates a broader fleet with lower risk for Air Lease

### **Rental process**

### Due diligence

- Competitive positioning of potential customer
- Management team
- Financial performance
- Customer may be required to obtain guarantees (government, financial sponsors, etc.)

### Leasing contract

- Leasing agreements are entered 18 36 months in advance
- Contract is structured as operating lease with fixed rates and terms and required cash deposits for unexpected events
- **Lessees** are **responsible** for operating costs, taxes, insurance and maintenance costs

### Sale

Sale to own investment vehicles or directly to customers





- Customers consist of financial institutions, airlines and investors
- Additionally, AL may buy and sell aircraft for trading purposes



### **Market Drivers & Trends**



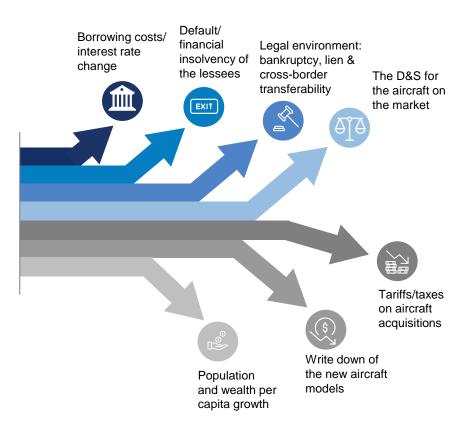






### The post COVID-19 leasing aircraft industry and its prospects

#### Market drivers & inhibitors



### **Current & future industry trends**



### Airlines are kept on life-support

Despite having secured gov. support in 2020 & 2021, multiple airlines are expected to file for bankruptcy in the next years



#### Lease restructuring

COVID-19 has pushed for more flexible lease structures (duration, price) that might ultimately impact the future revenue



### Regional travel recovery

Long distance travel is expected to deteriorate in favor of regional travel, thus benefiting geographically substantial markets



### Reduced demand for wide-body aircraft<sup>1</sup>

As a result of the pandemic and of low international travel, the demand for wide-body aircraft is decreasing (thus their value)



#### The redefinition of the economic life of an aircraft

The replacement cycle of aging aircraft has been accelerated during the pandemic as airlines adapt to lower levels of passenger traffic



#### CO2 emission tariffs

The primary aim of the aviation industry is the reduction of the CO2 emissions, thus additional taxes & tariffs will be levied

## Industry Overview I – The Procyclicality of Civil Aviation

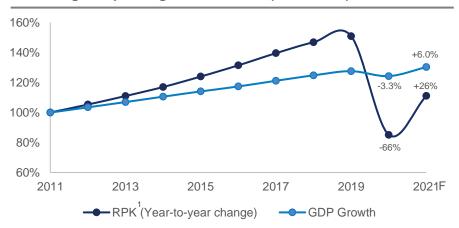




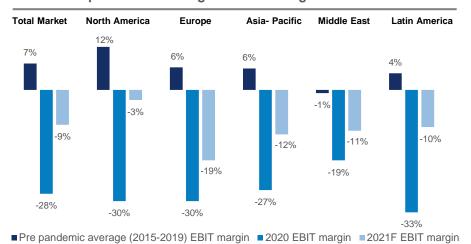


The macroeconomic demand drivers for aircraft leasing industry amid the pandemic

### The changes in passenger traffic & GDP (2011-2021F)



### COVID's impact on EBIT margins across the globe



#### **Current market landscape**



The industry is less cyclical: It is characterized by substantially less earning volatility than the rest of the sub industries in the aviation industry (e.g. airlines)

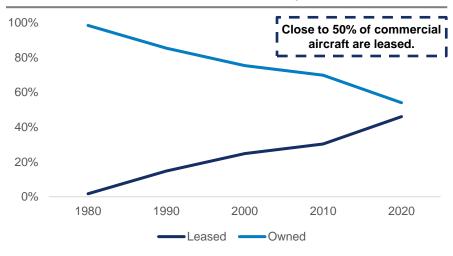


COVID-19 lead to the widening of credit spreads and closure of capital markets to aviation: As the crisis continued to unfold, lessors provided sale-leaseback liquidity and worked with airlines on payment deferrals



Increased dependency on leasing aircraft: Fleet planning processes have shrunk from a 12 to 18-month horizon to less than four weeks in some cases. Thus, lessees are looking for flexible options

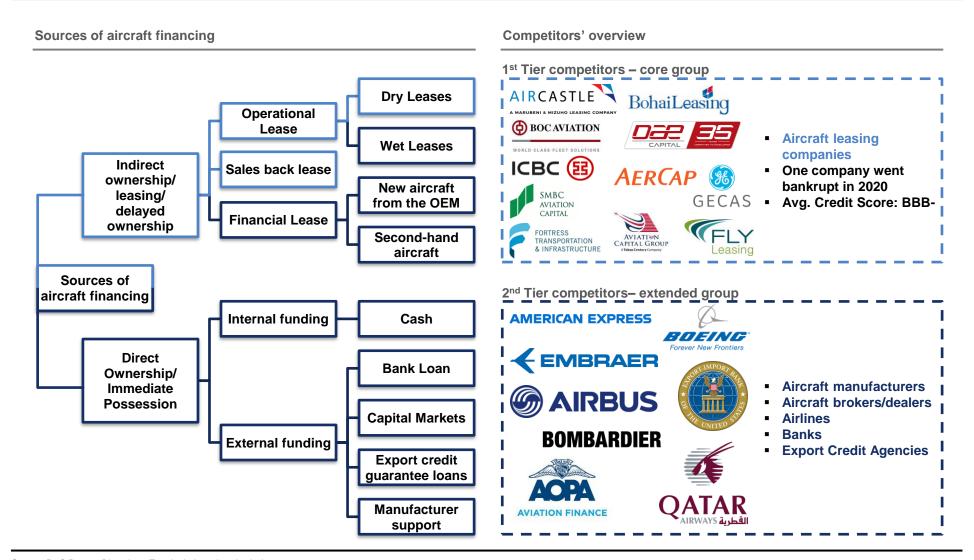
### Share of leased aircraft in the aviation industry from 1980 to 2020



## **Industry Overview II - Sources of Aircraft Financing**



The economies of aviation financing & niche positioning among financial institutions



## Peer Group Analysis I



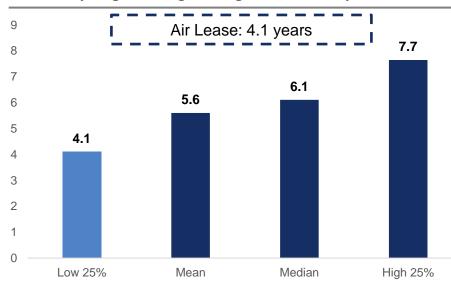






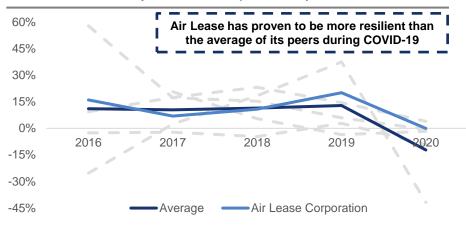
Air Lease has shown consistent EBT margins in 2020, along with a young and modern fleet

### One of the youngest average fleet ages in the industry

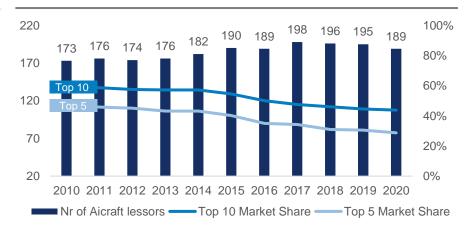


Air Lease is highly focused on acquiring aircraft primarily from OEMs. This allows them to maintain one of the youngest fleets in the industry with a current average age of 4.1 years as of FY20

### The resilience of the peers' revenue (2016-2020)



#### Number of aircraft lessors and market share

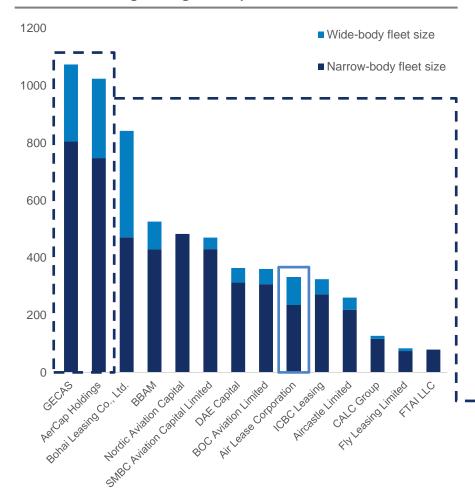


## Peer Group Analysis II

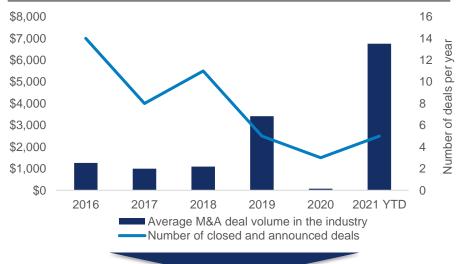


The industry is consolidating in 2021 after facing the largest merger in its history

### Air Lease is among the largest companies in terms of owned fleet size



### Average yearly deal size (M USD) and number of deals per year



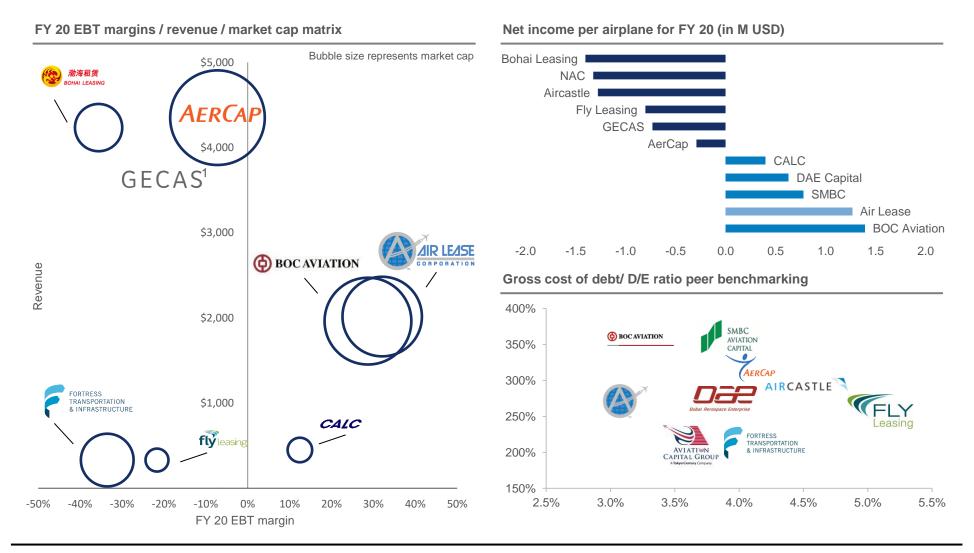
### Large deals announced in 2021 after a slow 2020

- **AerCap Holdings GECAS** merger in the largest consolidation in the industry, involving the two largest players Deal volume: 31.1 B USD
  - >40.0 B USD expected value before the pandemic
  - Combined fleet of >2000 aircraft, which is expected to decrease, given the advanced age of GECAS aircraft (average fleet age: 12.3 years)
- Another notable deal in 2021:
  - Carlyle Aviation Partners Ltd. buying Fly Leasing Limited Deal volume: 2.5 B USD

## **Peer Group Analysis III**



Air Lease has shown consistent EBT margins in 2020, along with a young and modern fleet



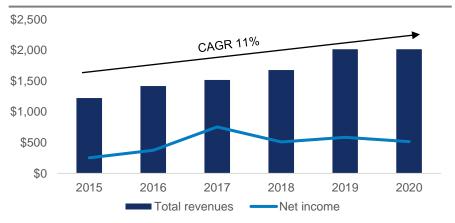


### Financials / KPI's

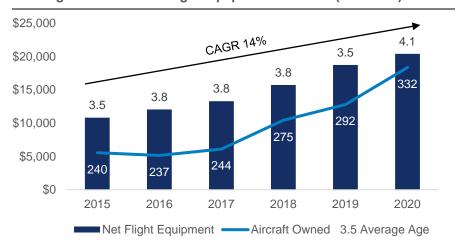


## Air Lease' current valuation is supported by strong historical financials

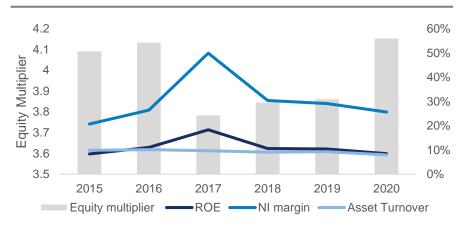
### Revenue and net income development (in M USD)



Fleet age & size and net flight equipment overview (in M USD)



### **DuPont analysis of RoE**



### Cash flow analysis (in M USD)



### Valuation I

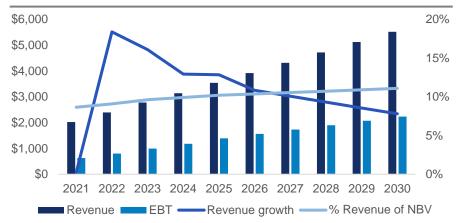




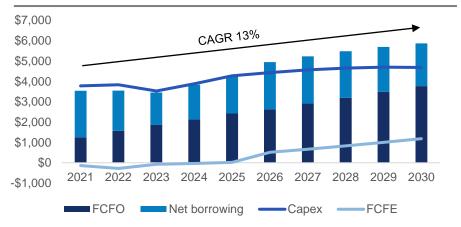


### The model is driven by the net book value of the fleet financed by debt

### Revenue and EBT forecast (in M USD)



### FCF to equity breakdown (in M USD)



### **Operating assumptions**

#### Revenue forecast:

Key driver of the revenue is the NBV of Air Lease' fleet. Starting off with 0.2% growth in 2021, spiking in 2022 and approaching 6.6% in 2030. 10y CAGR: 11.5%



#### Fleet value and Capex:

Capex projection for 1<sup>st</sup> stage based on Air Lease' orderbook with applied historical haircut. Capex/Depreciation: 2.125 in TV



### **Debt and Interest Expenses:**

Internal D/E of 2.5 over whole forecasting period. Interest expenses are based on current and implied future CoD

### **Valuation assumptions**



### Terminal value

Sustainable growth rate: 4.6% LT Equity reinvestment rate: 36%

LT ROE: 12.9%



#### Beta: 2.09

Vasicek method: weighting peer beta (1.62) and OLS beta (2.16) by standard errors



#### **Discount factor**

Cost of equity: 14.1%

Risk-free rate: 1.56%, Market risk premium: 6%

### Valuation II



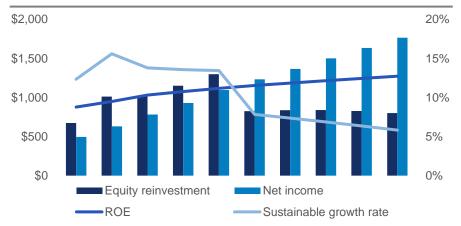




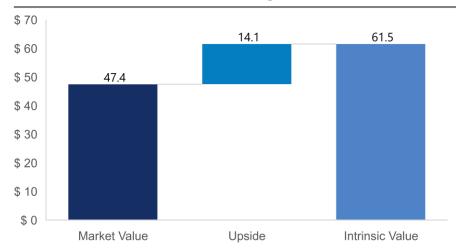


Base case represents a 30.1% upside even with our conservative forecast of AL' fleet

### Sustainable growth drivers



### Market value vs intrinsic value according to base scenario



### Scenario analysis



The bullish case assumes a **strong trend towards aircraft leasing** as opposed to buying them driven by the increasing demand for travel. Active expansion of the fleet is reflected in the terminal **Capex/Dep. of 2.5**, which boosts revenue growth in future periods and is reflected in increased terminal value



Base case scenario relies on the shift towards leasing of aircraft and **replacement of old customer fleet** by the new one. Fleet value growth is moderate with **Capex/Dep. of 2.13** 



In the bearish scenario the revenue growth is lower caused by a **slower recovery from the COVID-19 crisis**. More conservative investing strategy with terminal **Capex/Dep. of 1.75** and conservative tax forecast with **28%** corporate **tax rate** 

### Multiple valuation

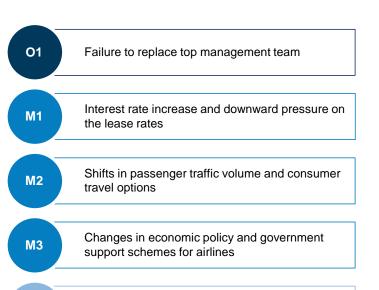
	P/E	P/E	P/B	P/B
	2021	2022	2021	2022
AerCap	10.7	10.2	0.8	0.8
BOC Aviation	8.2	7.2	1.2	1.1
Fly Leasing	10.3	10.1	0.6	0.6
Fortress Transportation	31.6	10.1	2.7	2.3
China Aircraft Leasing	5.3	4.7	0.9	0.8
Air Lease	9.2	7.4	8.0	0.7
Median	53.40	64.84	56.48	55.51
Average	68.50	54.39	75.02	74.21
Implied share price (average of medians)				57.56



## **Company Specific Risks**

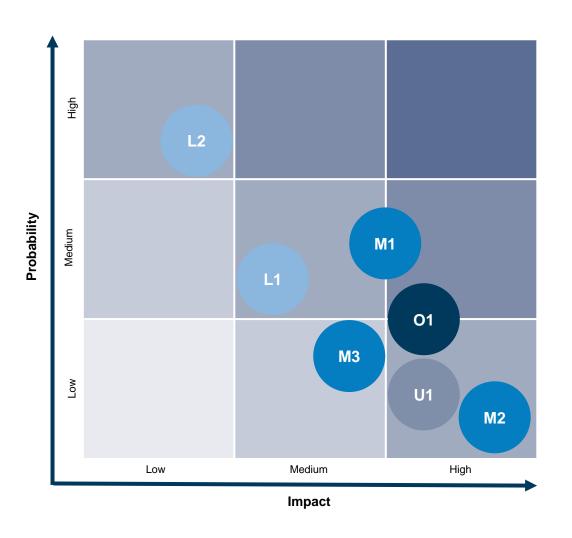


Air Lease faces multiple risks with high potential impact but low probability



- Unstable legal environment originating from differences in judicial system (bankruptcy, lien law)
- ESG-regulations coming into place on larger scales across the globe
- U1 Prolongation of the current lockdown and/or COVID-19 epidemiological crises

Operations (O) - Market (M) - Legislation (L) - Uncategorized (U)





## **Conclusion – Buy**



Air Lease' stock price is ready to take off according to our forecast



# **Appendix**



Appendix			
A	Fleet Overview	27	
В	Business Overview	32	
		0.7	
С	Market and Industry Overview	37	
D	Financial Analysis	48	
Е	Valuation Analysis	52	

## **Appendix A: Fleet Overview I**



Air Lease managed a fleet of 418 aircraft in total as of 31.12.2020

	Single aisle aircraft	_	Twin aisle aircraft	
	TAMBUSANO		Tourse O	10
Airbus	133		42	
Boeing	92		69	
Embraer	1		0	
Blackbird		26 <sup>1</sup>		Mar
TBOLT		51 <sup>1</sup>		Managed Fleet
Investor		4 <sup>1</sup>		:leet

Although leasing is the primary business of Air Lease, they manage 81 aircraft for investment vehicles

## **Appendix A: Fleet Overview II**



Air Lease owned a total of 226 single aisle aircraft as of 31.12.2020

### Single aisle aircraft







1x A319-100<sup>1</sup>

- Launch year: 1995
- Capacity: ~140
- Range: 6 700 km
- Price: ~ \$ 92 million

31x A320-200

- Launch year: 1988
- Capacity: ~170
- Range: 4 630 km
- Price: ~ \$ 93.9 million ■

### 20x A320neo

- Launch year: 2016
- Capacity: ~170
- Range: 6 300 km
- Price: ~ \$110.6 million

### **28x** A321-200

- Launch year: 1997
- Capacity: ~200
- Range: 5 100 km
- Price: ~ \$118.3 million

### **53x** A321-200neo

- Launch year: 2015
- Capacity: ~200
- Range 7 400 km
- Price: ~ \$129.5 million |



### 4x 737-700

- Launch year: 1993
- Capacity: ~ 135
- Range: 8 149 km
- Price: ~ \$89.1 million

#### 88x 737-800

- Launch year: 1997
- Capacity: ~170
- Range: 7 408 km
- Price: ~ \$ 106.1 million

#### **19x** 737 MAX 8

- Launch year: 2017
- Capacity: ~ 200
- Range: 6 570 km
- Price: ~ \$ 121.6 million

### **Embraer E190**



### **1x** E190<sup>2</sup>

- Launch year: 2004
- Capacity: ~100
- Range: 3 390 km
- Price: ~ \$ 50.6 million

## **Appendix A: Fleet Overview III**



Air Lease owned a total of 111 twin aisle aircraft as of 31.12.2020

#### Twin aisle aircraft



13x A330-200

- Launch year: 1998
- Capacity: ~ 235
- Range: 13 450 km
- Price: ~ \$ 238.5 million

8x A330-300

- Launch year: 1994
- Capacity: ~275
- Range: 11 750 km
- Price: ~ \$ 264.2 million

8x A330-900neo

- Launch year: 2017
- Capacity: ~ 280
- Range: 13 334 kmPrice: ~ \$ 296.4 million

Airbus A350

**11x** A350-900

- Launch year: 2015
- Capacity: ~325
- Range: 15 000 km
- Price: ~ \$ 317.4 million

2x A350-1000

- Launch year: 2018
- Capacity: ~390
- Range: 16 100 km
- Price: ~ \$ 366.5 million



1x 777-200ER

- Launch year: 2006
- Capacity: ~ 310
- Range: 15 843 km
- Price: ~ \$ 306.6 million

24x 777-300ER

- Launch year: 2004
- Capacity: ~ 380
- Range: 13 649 km
- Price: ~ \$ 375.5 million



**24x** 787-9

- Launch year: 2014
- Capacity: ~ 290
- Range: 13 950 km
- Price: ~ \$ 248.3 million

**6x** 787-10

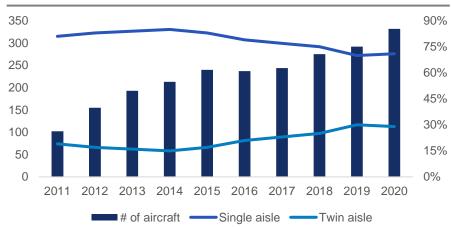
- Launch year: 2018
- Capacity: ~ 325
- Range: 11 750 km
- Price: ~ \$ 338.8 million

## **Appendix A: Fleet Overview IV**

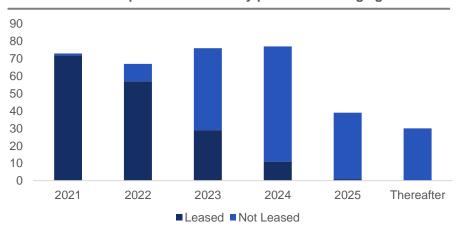


98.6% of the aircraft to be delivered in 2021 are already leased to customers

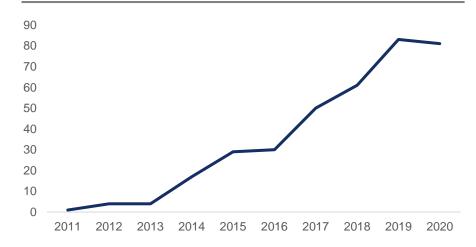




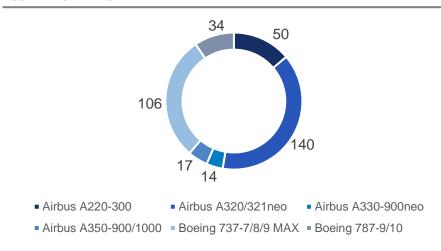
Number of aircraft pre-ordered already placed in leasing agreements



### Managed aircraft over the years



Types of planes pre-ordered



## **Appendix A: Operational Life Cycle Stages of an Aircraft**



Technical support services are crucial to guarantee an extended life cycle



## Stage of operation

- Begins after initial installation of aircraft
- Main objective is to ensure that required parameters are fulfilled
- After 8 years of use first major obligatory service is scheduled



## Stage of support

- Provide maintenance support after first major service
- General services and checks are conducted on a yearly basis
- Insurance of high reliability and long-term safety are key



### Stage of disposal or technical life extension

- At some point in time (usually at around 20-25 years of operation) planes become morally or physically obsolete
- Decision must be made regarding cost of operation, reliability and loss of value
- Alternatives are upgrading major parts (engines etc.), careful maintenance, sale of intact parts and scrapping

## **Appendix B: Sustainability Measures**

A way to an ESG-friendly air-transportation sector



## **Appendix B: Leadership Team**



S

A 30+ year partnership

Steven Udvar-Házy Chairman of the Board & Founder



- Steven Udvar-Házy was born in Hungary in immigrated to the US as a child
- Founded an airline at first but decided that leasing was a better business model
- After founding ILFC in 1973 he sold the company to AIG in 1990
- Mr. Házy founded Air Lease in 2010 after leaving ILFC
- He was serving as CEO until 2016 and is since then Chairman of the Board
- With more than 40 years of experience in the sector his long-standing relationships with suppliers, customers and financiers he provides immense value to Air Lease
- His main focus lies in relationship management and as
   a driver for innovation in the aircraft sector

John L. Plueger Chief Executive Officer & President



- John L. Plueger graduated from UCLA and started his career at PWC
- After getting licensed as an accountant and gaining his flying license he joined Mr. Házy at ILFC
- Mr. Plueger serves as CEO since 2016 and co founded Air Lease with Mr. Házy in 2010, where he first acted as COO
- He is a regular expert witness for the US house of representatives and the European Commission
- Previously he acted as a board member, COO and CEO of ILFC where he worked closely with Mr. Házy
- He has more than 35 years of experience in the sector, 25 of which he spent at ILFC
- Furthermore, he is a member of the board Spirit
   AeroSystems which is a key supplier of major airlines

## **Appendix B: Strategy**



#### Owning and Leasing Planes Sale of aircraft Thunderbolt & Blackbird Soon to be retired Aircraft Aircraft Good relationships Purchase of new aircraft Net gains possible due to TBOLT: Investment vehicle to No involvement in end-oflow purchasing prices with manufacturers manage and sell aircraft useful life aircraft Leasing agreements arranged ~3-7% of overall revenue Part of design board beforehand with customers 5% non-controlling interest Diminishes residual value risk for Air Lease 8 aircraft were sold during Size of fleet: 51 Bulk buying from After approx. one third of the useful lifespan the aircraft get sold Industry leading fleet in Boeing and Airbus the FY 2020 **BBIRD**: Investment vehicle with terms of fuel efficiency and Current fleet size 342 Premium discounts Decrease of sales Napier Park numbers due to COVID >55% of list prices 72 new aircraft will be delivered 9.5% non-controlling interest 30 aircraft were sold in Delivery delays of air-2021 Size of fleet: 26 planes occur regularly the FY 2019

Plane Age: Year 0 - 8 Year 8 - 20 Year 20+

Preacquisition

**Young Aircraft** 

Mid-Life Aircraft

Soon to be retired Aircraft

### **Due Diligence**

- Management team
- Financial performance
- Customer may be required to obtain guarantees (government, financial sponsors, etc.)

### | Leasing Contracts

- Leasing agreements are entered 18
   36 months in advance
  - Fixed rates and terms, as well as
- required cash deposits for unexpected events

  Leases are responsible for
  - All lease payments were fulfilled during 2020, due to good CRM

and maintenance costs

operating costs, taxes, insurance

### Sale Contracts

- Sale agreement signed during lease with a few years remaining on it in order to achieve best prices for sold aircraft
- Customers consist of financial institutions, airlines and investors

### Fleet management

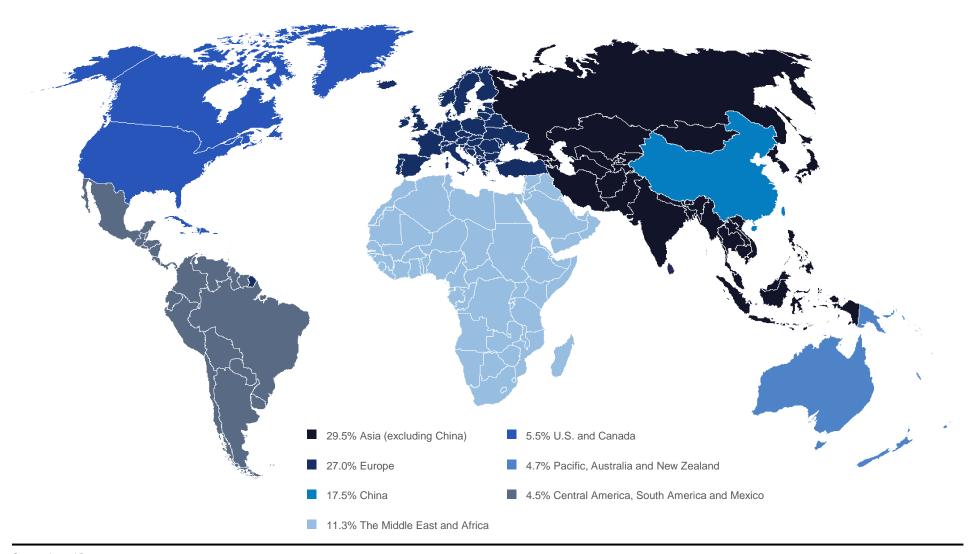
- Allows Air Lease to manage residual value risk, while keeping their own fleet age down
- Air Lease can maintain relationships with airlines and further
  - Air Lease is managing the fleet of several investment funds for a management fee

ш

## **Appendix B: Revenue Split per Region**



In 2020 Asia overtook Europe as the region with the highest revenue for Air Lease



## **Appendix B: SWOT analysis**







Strengths predominate weaknesses, fostering organic growth

### **STRENGTHS**

- Industry leading knowledge in the management team
- Strong connections to key aircraft manufacturers
- Favorable financing terms due to trust of market in Air Lease
- Young & fuel-efficient fleet, in top quartile of industry benchmark
- Financial strength & revenue resilience amid the pandemic
- In-depth market knowledge about the current and future needs

- Dependent on "veteran" management
- Highly leveraged industry and substantial debt level
- Dependency on interest rate changes
- Potential exposure to substantial wide-body aircraft fleet of which especially older - less fuel efficient - airplanes currently face increasingly lower demand on the market
- Not qualified for government support

### **WEAKNESSES**

### **OPPORTUNITIES**

- · Growth in airline traffic, especially in the Asian-Pacific region and international travel (due to the emergence of the new middle class, the wealth per capita growth and planned economy structure)
- Due to lower fleet planning time, there may be increased dependency and therefore market share of leased aircraft
- The redefinition of the economic life of aircraft might create additional demand for Air Lease' younger fleet
- The vulnerability of AL' customer base to the pandemic and the prolongation/ reintroduction of the lockdown (lack of gov. support)
- Chinese competitors skimming the market, lowering lease rates
- Changing legal environments worldwide and tariff systems concerning the aircraft purchases
- Lease restructurings due to COVID-19 might affect future earnings
- Surplus of aircraft on the market might diminish the fleet value

**THREATS** 

## **Appendix C: Catalysts**









Variety of events which might influence the share price of Air Lease

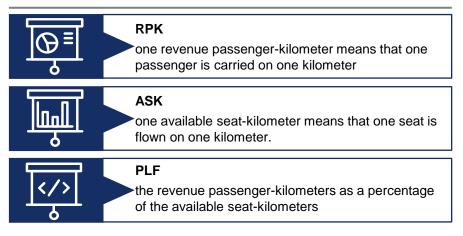
Catalyst	Туре	Influenced factor	Estimated impact on share price
Uptick in airline start ups	Soft	<ul><li>Revenue</li><li>Market dynamics</li></ul>	Potential to acquire new customers with a high dependency on leased aircraft
Key Manager decides to retire	Hard	<ul><li>CRM</li><li>Operations</li></ul>	<ul> <li>Risk of loosing established connections to competitors with experienced managers</li> </ul>
Bankruptcy of large customers	Hard	<ul><li>Profitability</li><li>Image</li></ul>	<ul> <li>Further lockdowns which deepen the financial distress of airlines</li> <li>Loss of revenue, possibly aircraft and image</li> </ul>
Regulation on CO2 emissions	Soft	<ul><li>Market</li><li>Costs</li></ul>	<ul> <li>Shift towards stricter ESG policies</li> <li>Insufficient demand of aircraft and additional costs</li> </ul>
Recovery of international travel	Soft	<ul><li>Revenue</li><li>Growth</li></ul>	<ul> <li>Rapid increase in air traffic, as COVID restrictions are eased</li> </ul>

## **Appendix C: ICAO Definitions and Airline Metrics**

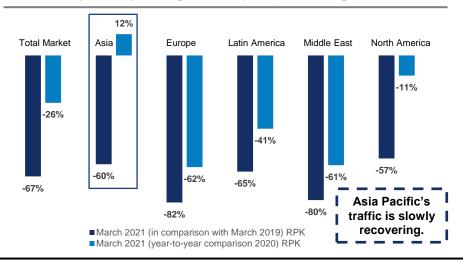


Aviation metrics and impact of crude oil futures on Air Lease stock price

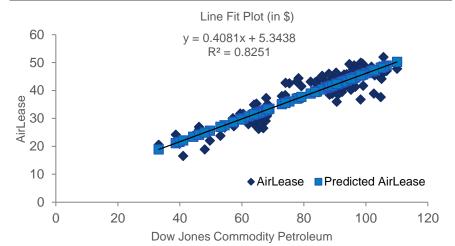
#### **ICAO** definitions

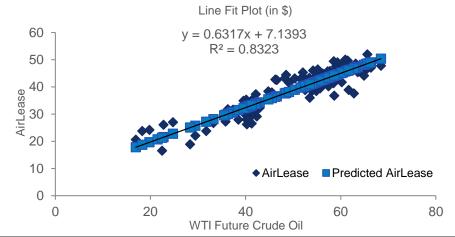


### COVID's impact on passenger traffic (RPK) across regions



#### Relationship between crude oil futures and Air Lease share price

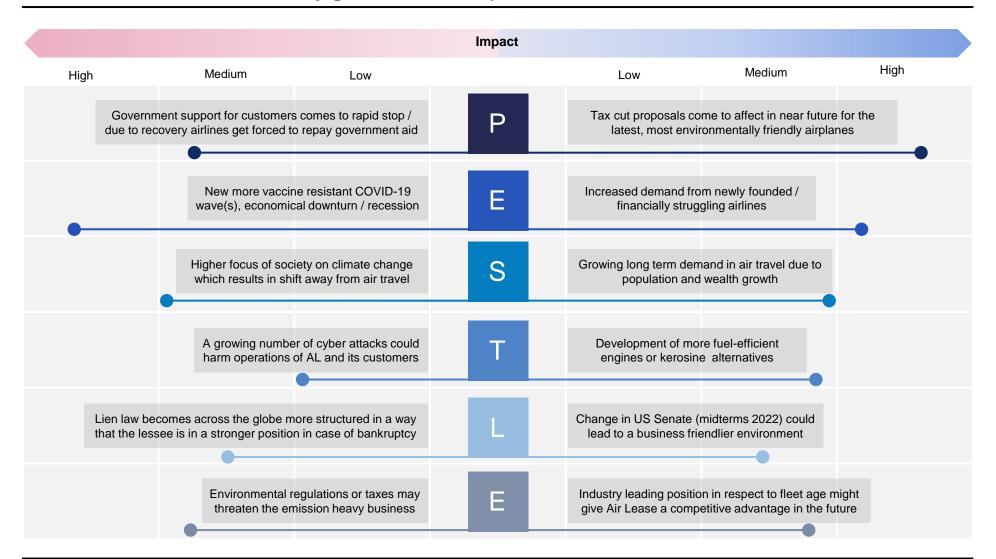




## **Appendix C: PESTLE Analysis**



Air Lease finds itself faced by great risks and upsides in its environment



## **Appendix C: Porter's Five Forces**









### The aircraft leasing industry is characterized by a high rivalry among competitors

- Moderate switching costs that might imply penalties due to early cancellations
- The choice of financing: Highly dependent on the profile, credit rating of the airline (e.g. low-cost vs. high-cost)
- Multiple government backed financial institutions (ECA) might offer favorable financing terms if the purchase serves the political direction of the gov.

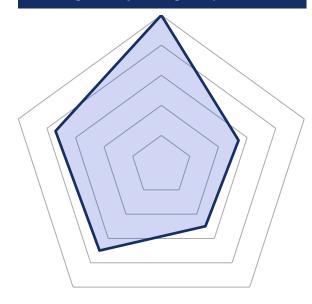
#### Moderate threat of substitutes

- Moderate as a result of long-standing relationship and prior agreements
- Due to the natural monopoly in the OEM/ suppliers' market, the choice for an alternative aircraft with similar features is limited
- The aircraft leasing labor force is not unionized in the US

Moderate bargaining power of suppliers

- Rivalry for the customer contracts and low product differentiation lead to intense competition in the field
- High exit barriers and a diversity of substitutes coming from other industries (banks, ECAs, OEMs) also contribute to the ecosystem
- The consolidation of the industry and its transformation into an oligopoly

#### High rivalry among competitors



- Initially, prior to the pandemic, new entrants were seen as a significant threat. Multiple financial institutions/ big companies /ECAs were interested in the niche due to a lack of sufficient capital on the aviation market
- Currently, the pandemic has risen the entry & exit barriers (e.g. participants have leveraged their credit lines)
- Hard to achieve economies of scale (asset intensive industry)

#### Low threat of new entrants

- Large customer base → not dependent on a few big airlines
- Moderate switching costs that might imply penalties due to early cancellations
- Leasing terms Highly dependent on the profile & credit rating of the airline (e.g. lowcost vs. high-cost)
- As a result of the pandemic, several aircraft lessors have agreed to restructure the leases based on credit history and business relations

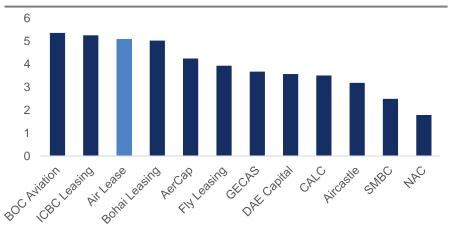
Low bargaining power of buyers

## **Appendix C: Peer Benchmarking I**

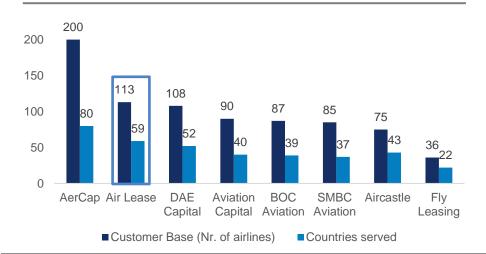


Air Lease is among the top companies in terms of key revenue and fleet ratios

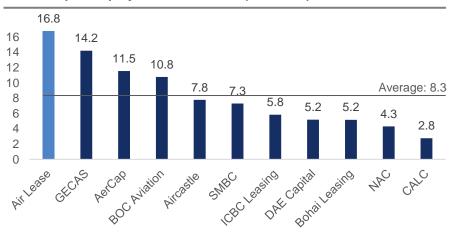
### Revenue per airplane ratios – FY 20 (in M USD)



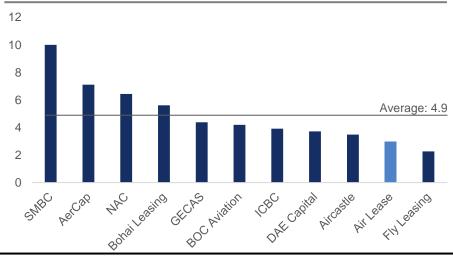
Total number of airlines & countries served as of FY 20



#### Revenue per employee ratios – FY 20 (in M USD)



Number of aircraft per customer - FY 20



## **Appendix C: Peer Benchmarking II**



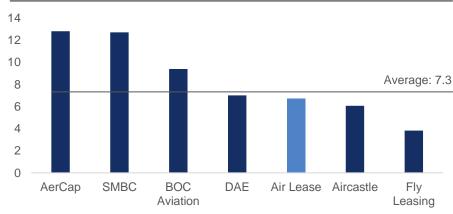




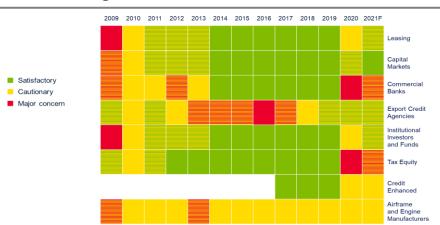


Air Lease has well diversified revenue across regions and customers

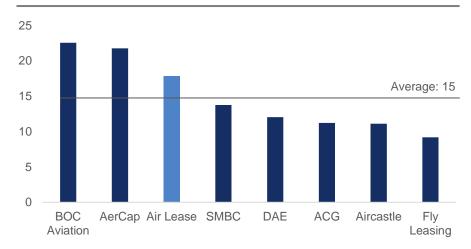
## Number of aircraft per country – FY 20



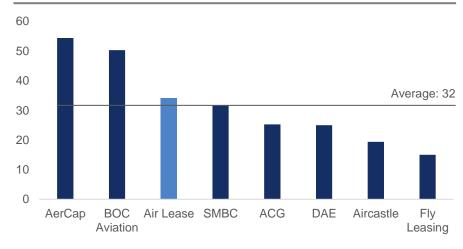
### Aircraft financing environment<sup>1</sup> 2009 – 2021F



### Revenue per airline - FY 20 (in M USD)



### Revenue per country – FY 20 (in M USD)

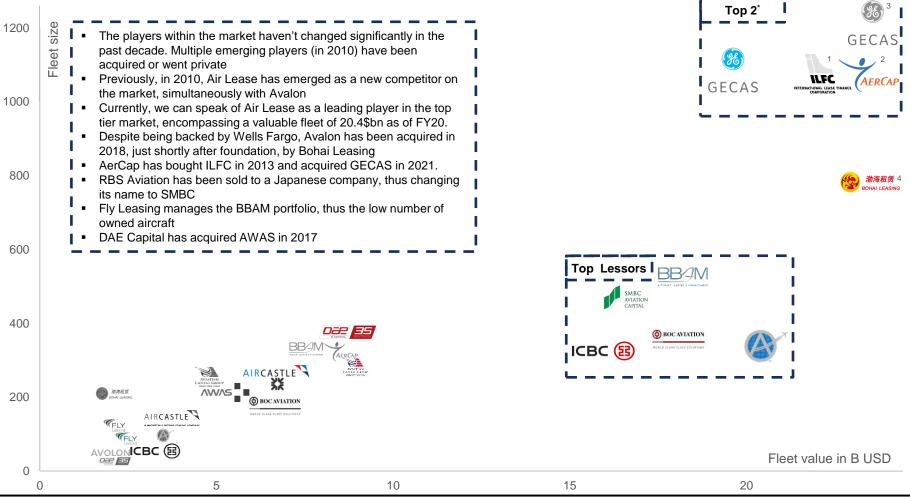


## **Appendix C: Industry Development**



### Comparing 2010's landscape to 2020's

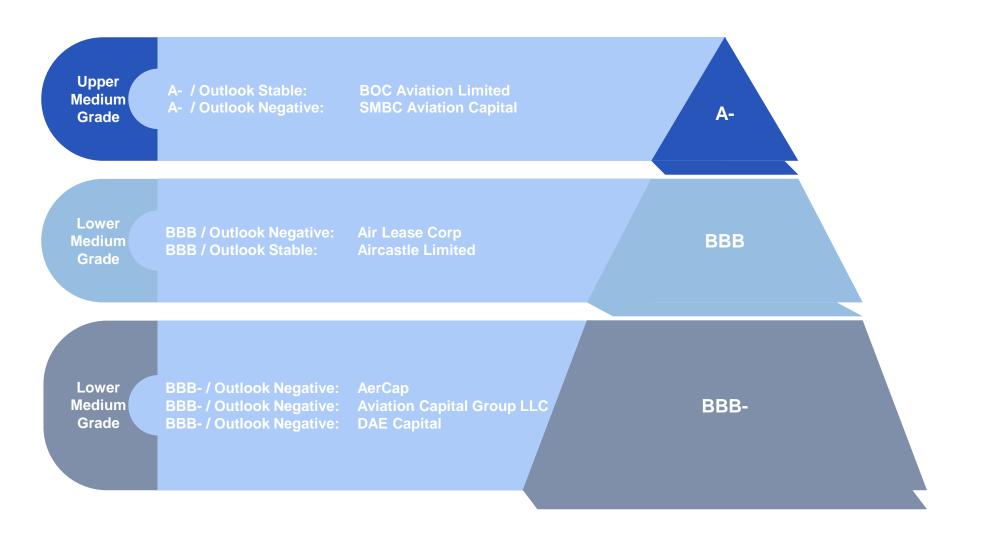
### Competitive landscape matrix in 2010 (grey logos) vs 2020 (colored logos)



## **Appendix C: Fitch Credit Rating – Peer Review**



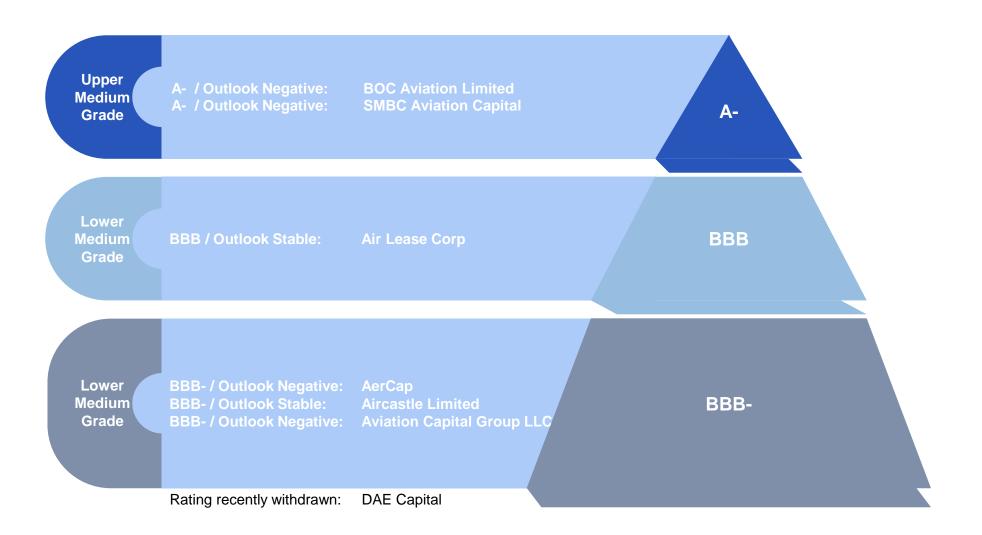
Air Lease is rated in the top half of peers by Fitch with a BBB rating



## **Appendix C: S&P Credit Rating – Peer Review**



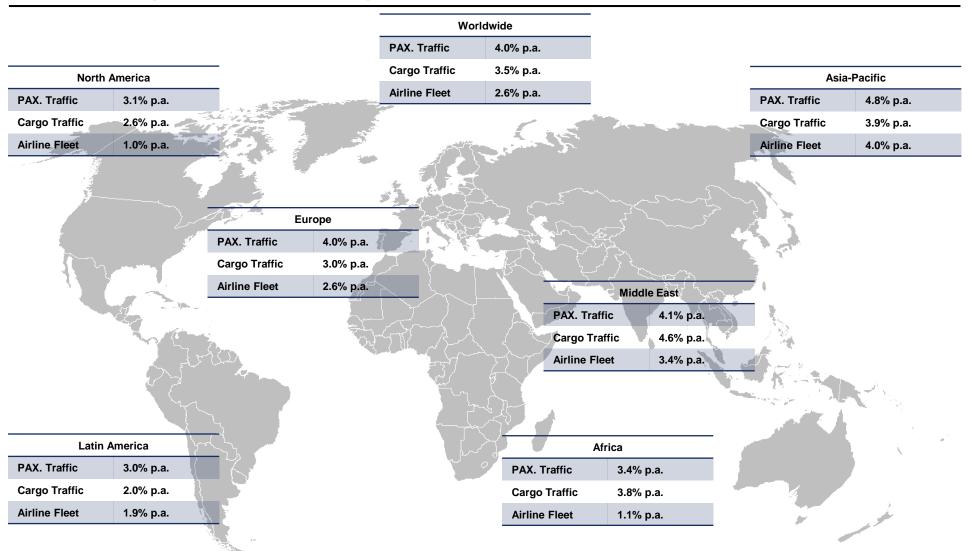
Air Lease is rated in the top half of peers by S&P with a BBB rating



## **Appendix C: Regional Market Growth**



Expected regional aviation market growth rates from 2020 to 2039 as of July 2020



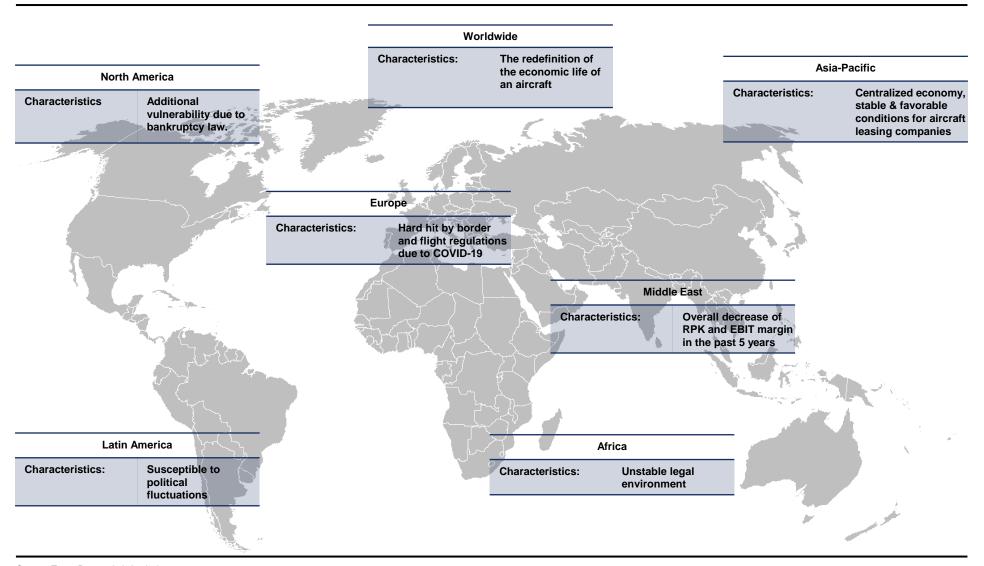
## **Appendix C: Regional Market Characteristics**







Regional aviation market characteristics as of June 2021













Income Statement		2015	2016	2017	2018	2019	2020
Revenues							
Rental of flight equipment		1 174 544	1 339 002	1 450 735	1 631 200	1 916 869	1 946 620
	% of Sales	96,1%	94,4%	95,7%	97,1%	95,0%	96,6%
Aircraft sales, trading, and other		48 296	80 053	65 645	48 502	100 035	68 819
	% of Sales	3,9%	5,6%	4,3%	2,9%	5,0%	3,4%
Total revenues		1 222 840	1 419 055	1 516 380	1 679 702	2 016 904	2 015 439
	Growth, %		16,0%	6,9%	10,8%	20,1%	-0,1%
Expenses							
Interest expense		266 144	286 201	287 371	342 732	434 011	474 758
	% of Sales	23%	21%	20%	21%	23%	24%
Depreciation of flight equipment		397 760	452 682	508 352	581 985	702 810	780 691
	% of Sales	33%	32%	34%	35%	35%	39%
Selling, general, and administrative		76 961	82 993	91 323	97 369	123 653	95 684
	% of Sales	6,3%	5,8%	6,0%	5,8%	6,1%	4,7%
Settlement		72 000	-	-	-	-	-
Stock-based compensation		17 022	16 941	19 804	17 478	20 745	17 628
	% of Sales	1,4%	1,2%	1,3%	1,0%	1,0%	0,9%
Total expenses		829 887	838 817	906 850	1 039 564	1 281 219	1 368 761
	% of Sales	68%	59%	60%	62%	64%	68%
Income before taxes		392 953	580 238	609 530	640 138	735 685	646 678
	% Margin	32%	41%	40%	38%	36%	32%
Income tax expense		-139 562	-205 313	146 622	-129 303	-148 564	-130 414
	% Effective tax rate	36%	35%	-	20%	20%	20%
Net income		253 391	374 925	756 152	510 835	587 121	516 264
	% Profit Margin	21%	26%	50%	30%	29%	26%
Preferred stock dividends						-11 958	-15 375
Net income available to common s	tockholders	253 391	374 925	756 152	510 835	575 163	500 889
	% Profit Margin	21%	26%	50%	30%	29%	25%











Balance Sheet		2015	2016	2017	2018	2019	2020
Assets							
Cash and cash equivalents		156 675	274 802	292 204	300 127	317 488	1 734 155
	% of TA	1,27%	1,97%	1,87%	1,62%	1,46%	6,88%
Restricted cash		16 528	16 000	16 078	22 871	20 573	23 612
	% of TA	0,13%	0,11%	0,10%	0,12%	0,09%	0,09%
NET flight equipment		10 813 475	12 041 925	13 280 250	15 707 110	18 704 337	20 380 350
	% of TA	88%	86%	85%	85%	86%	81%
	Growth, %		11%	10%	18%	19%	9%
Deposits on flight equipment purchases		1 071 035	1 290 676	1 562 776	1 809 260	1 564 188	1 800 119
	% of TA	9%	9%	10%	10%	7%	7%
Other assets		297 385	352 213	462 856	642 440	1 102 569	1 276 939
	% of TA	2%	3%	3%	3%	5%	5%
Total assets		12 355 098	13 975 616	15 614 164	18 481 808	21 709 155	25 215 175
	Growth, %		13%	12%	18%	17%	16%
Liabilities and Shareholders' Equity							
Accrued interest and other payables		215 983	256 775	309 182	382 132	516 497	492 473
	% of TA	2%	2%	2%	2%	2%	2%
	% Debt	3%	3%	3%	3%	4%	3%
Debt financing, net of discounts and issuance costs		7 712 421	8 713 874	9 698 785	11 538 905	13 578 866	16 518 338
	% of TA	62%	62%	62%	62%	63%	66%
Security deposits and maintenance reserves on flight equipment of the security deposits and maintenance reserves on flight equipment.		853 330	856 335	856 140	990 578	1 097 061	1 072 704
	% of TA	7%	6%	5%	5%	5%	4%
5	% of NBV	8%	7%	6%	6%	6%	5%
Rentals received in advance	0/ / 74	91 485	99 385	104 820	119 526	143 692	142 915
	% of TA	1%	1%	1%	1%	1%	1%
57 12 13 13 13 13 13 13 13 13 13 13 13 13 13	% of Revenues	7%	7%	7%	7%	7%	7%
Deferred tax liability	0/ / 74	461 967	667 060	517 795	643 767	749 495	916 404
	% of TA	4%	5%	3%	3%	3%	4%
Total liabilities	0/ -5.74	9 335 186	10 593 429	11 486 722	13 674 908	16 085 611	19 142 834
	% of TA	76%	68%	82%	74%	74%	76%
Observational Families							
Shareholders' Equity						400	400
Preferred Stock, \$0.01 par value	i de la companya de	1 010	4.040	4.000	4.440	100	100
Class A common stock, \$0.01 par value		1 010	1 010	1 036	1 110	1 134	1 139
Class B Non-Voting common stock, \$0.01 par value	i de la companya de	2 227 376	0.007.000	2 260 064	2 474 238	2 777 601	2 793 178
Paid-in capital	0/ -5.74		2 237 866				
Datained comings	% of TA	18% 791 526	16% 1 143 311	14% 1 866 342	13% 2 331 552	13% 2 846 106	11% 3 277 599
Retained earnings	0/ of TA	791 526					
Assume date of other assume baseive income (dass)	% of TA	0%	8%	12%	13%	13%	13% 325
Accumulated other comprehensive income/(loss)						-1 397	325
Total abayabaldaya! aguity	i de la companya de	2.040.042	2 202 407	4 407 440	4 000 000	E COO E44	0.070.044
Total shareholders' equity	0/ of TA	3 019 912	3 382 187	4 127 442	4 806 900	5 623 544	6 072 341
Total lightilities and shows haldows? acroiter	% of TA	24%	24%	26%	26%	26%	24%
Total liabilities and shareholders' equity		12 355 098	13 975 616	15 614 164	18 481 808	21 709 155	25 215 175

- 49 - | Valid until 06/10/2021









### Cash flow statement

Cash Flow	2015	2016	2017	2018	2019	2020
Operating Activities						
Net income	253 391	374 925	756 152	510 835	587 121	516 264
Adjustments to reconcile net income to net cash provided by operating activities:						
Depreciation of flight equipment	397 760	452 682	508 352	581 985	702 810	780 691
Stock-based compensation	17 022	16 941	19 804	17 478	20 745	17 628
Deferred taxes	138 608	205 313	-146 622	129 303	92 049	166 467
Amortization of prepaid lease costs				24 579	32 849	43 224
Amortization of discounts and debt issuance costs	30 507	30 942	29 454	32 706	36 691	43 025
Gain on aircraft sales, trading and other activity	-41 072	-58 880	-55 073	-34 442	-81 994	-25 843
Changes in operating assets and liabilities:						
Other assets	11 336	-55 728	-108 622	-74 223	-161 302	-424 158
Accrued interest and other payables	16 635	45 983	50 832	51 175	139 337	-22 810
Rentals received in advance	15 608	7 900	5 436	14 705	24 166	-4 302
Net cash provided by operating activities	839 795	1 020 078	1 059 713	1 254 101	1 392 472	1 090 186
Investing Activities						
Investing Activities Acquisition of flight equipment under operating lease	-2 088 646	-1 914 093	-1 972 009	-2 512 582	-3 663 605	-1 631 551
	-2 066 646 -597 170	-1 914 093	-1 972 009	-2 512 562 -976 101	-3 663 605 -884 459	-1 63 1 55 1
Payments for deposits on flight equipment purchases  Proceeds from aircraft sales, trading and other activity	-597 170 752 747	988 040	779 489	391 372	-664 459 995 345	-865 679 151 132
NET Acquisition and Proceeds	-1 335 899	-926 053	-1 192 520	-2 121 210	-2 668 260	-1 480 419
NET Acquisition and Proceeds	-1 333 699	-920 000	-1 192 520	-2 121 210	-2 000 200	-1 400 419
Acquisition of aircraft furnishings, equipment and other assets	-219 732	-211 372	-177 450	-287 509	-291 258	-160 993
Net cash used in investing activities	-2 152 801	-2 005 516	-2 143 951	-3 384 820	-3 843 977	-2 527 091
•						
Financing Activities						
Issuance of common stock upon exercise of options and warrants	60	20	9 264	4 826	44 885	6 569
Issuance of preferred stock		20	3 204	4 020	242 130	0 000
Cash dividends paid on Class A common stock	-16 405	-20 555	-30 933	-41 563	-58 026	-68 183
Preferred dividends paid	10 100	20 000	00 000		-11 958	-15 375
Tax withholdings on stock-based compensation	-5 302	-5 890	-6 926	-7 548	-4 272	-8 618
Net change in unsecured revolving facilities	151 000	46 000	81 000	-245 000	-582 000	-20 000
Proceeds from debt financings	1 232 384	2 021 966	2 183 824	3 533 885	3 567 728	4 659 762
Payments in reduction of debt financings	-328 248	-1 093 910	-1 303 499	-1 270 505	-978 369	-1 728 029
Net change in restricted cash	-9 059	528	-78	1 21 0 000	0.000	1 120 020
Debt issuance costs	-4 518	-5 042	-5 855	-11 475	-11 280	-8 102
Security deposits and maintenance reserve receipts	218 380	218 754	226 064	242 524	310 220	114 596
Security deposits and maintenance reserve disbursements	-51 430	-58 306	-51 221	-59 709	-52 490	-76 009
Paid-in capital adjustments						
Net cash provided by financing activities	1 186 862	1 103 565	1 101 640	2 145 435	2 466 568	2 856 611
Not increase in each	100.144	440.407	47.400	44740	45.000	4 440 700
Net increase in cash	-126 144	118 127	17 402	14 716	15 063	1 419 706
Cash, cash equivalents and restricted cash at beginning of period	282 819	156 675	274 802	308 282	322 998	338 061
Cash and cash equivalents at end of period	156 675	274 802	292 204	300 127	317 488	1 734 155
and the second of the second o						

- 50 - | Valid until 06/10/2021 © WUTIS











					_	
Air Lease   Ratios	2015	2016	2017	2018	2019	2020
Activity and Liquidity Ratios						
Asset Turnover	0,10	0,10	0,10	0,09	0,09	0,08
Current ratio	0,73	1,07	0,95	0,79	0,61	3,52
Solvency Ratios						
Debt to Equity	255%	258%	235%	240%	241%	272%
Debt to Capital	72%	72%	70%	71%	71%	73%
Debt to Assets	62%	62%	62%	62%	63%	66%
Interest coverage	2,5	3,0	3,1	2,9	2,7	2,4
EBITDA/Interest expenses	4,0	4,6	4,9	4,6	4,3	4,0
Total debt/EBITDA	7,30	6,61	6,90	7,37	7,25	8,68
Profitability Ratios						
Dep/Sales	33%	32%	34%	35%	35%	39%
SG&A margin	6,3%	5,8%	6,0%	5,8%	6,1%	4,7%
Operating margin	53,9%	61,1%	59,1%	58,5%	58,0%	55,6%
EBITDA margin	86,4%	93,0%	92,7%	93,2%	92,8%	94,4%
Pretax margin	33,5%	43,3%	42,0%	39,2%	38,4%	33,2%
Dupont						
ROA	2,05%	2,68%	4,84%	2,76%	2,70%	2,05%
NI margin	20,7%	26%	50%	30%	29%	25,6%
Asset Turnover	0,10	0,10	0,10	0,09	0,09	0,08
ROE	8,4%	11,1%	18,3%	10,6%	10,4%	8,5%
Tax burden	64%	65%	124%	80%	80%	80%
Interest burden	60%	67%	68%	65%	63%	58%
EBIT margin	54%	61%	59%	59%	58%	56%
NI margin	20,7%	26,4%	49,9%	30,4%	29,1%	25,6%
Asset Turnover	9,9%	10,2%	9,7%	9,1%	9,3%	8,0%
Leverage	4,09	4,13	3,78	3,84	3,86	4,15
Check	8,4%	11,1%	18,3%	10,6%	10,4%	8,5%
ROIC	3,93%	4,65%	6,75%	4,99%	4,99%	4,39%
Invested Capital	10 813 475	12 041 925	13 280 250	15 707 110	18 704 337	20 380 350
Invested Capital Turnover	0,11	0,11	0,11	0,10	0,10	0,10
NOPAT	425 011	559 856	896 901	784 338	933 488	895 279
Nopat margin	34,8%	39,5%	59,1%	46,7%	46,3%	44,4%
Patrocastad control	4 000 00 4	50.170.1	050 440	0.444.400	0.445.000	4.505.000
Reinvested capital	1 002 294	564 794	856 110	2 411 463	2 145 822	1 595 268
Reinvestment rate	236%	101%	95%	307%	230%	178%
Sustainable growth rate in NI	9,27%	4,69%	6,45%	15,35%	11,47%	7,83%









### Income statement forecast

Income Statement	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Revenues										
Rental of flight equipment	1 934 557	2 290 054	2 658 284	3 001 621	3 387 110	3 753 988	4 121 015	4 480 732	4 824 707	5 143 732
% of Sales	95,8%	95,8%	95,8%	95,8%	95,8%	95,8%	95,8%	95,8%	95,8%	95,8%
Aircraft sales, trading, and other	85 793	101 559	117 889	133 115	150 211	166 481	182 758	198 711	213 965	228 113
% of Sales	4,2%	4,2%	4,2%	4,2%	4,2%	4,2%	4,2%	4,2%	4,2%	4,2%
Total revenues	2 020 351	2 391 613	2 776 174	3 134 737	3 537 321	3 920 470	4 303 773	4 679 443	5 038 673	5 371 846
Growth, %	0,2%	18,4%	16,1%	12,9%	12,8%	10,8%	9,8%	8,7%	7,7%	6,6%
Expenses										
Interest expense	496 477	569 983	635 148	689 283	748 382	813 080	883 536	951 028	1 013 873	1 070 290
% of Sales	25%	24%	23%	22%	21%	21%	21%	20%	20%	20%
Depreciation of flight equipment	778 853	883 785	991 264	1 089 205	1 199 744	1 324 378	1 451 879	1 580 087	1 706 556	1 828 624
% of Sales	39%	37%	36%	35%	34%	34%	34%	34%	34%	34%
Selling, general, and administrative	101 018	119 581	138 809	156 737	176 866	196 023	215 189	233 972	251 934	268 592
% of Sales	5,0%	5,0%	5,0%	5,0%	5,0%	5,0%	5,0%	5,0%	5,0%	5,0%
Settlement	-	-	-	-	-	-	-	-	-	-
Stock-based compensation	16 965	19 247	21 373	23 038	24 761	27 443	30 126	32 756	35 271	37 603
% of Sales	0,8%	0,8%	0,8%	0,7%	0,7%	0,7%	0,7%	0,7%	0,7%	0,7%
Total expenses	1 393 313	1 592 597	1 786 593	1 958 263	2 149 753	2 360 924	2 580 730	2 797 843	3 007 633	3 205 110
% of Sales	69%	67%	64%	62%	61%	60%	60%	60%	60%	60%
Income before taxes	627 038	799 017	989 581	1 176 474	1 387 568	1 559 545	1 723 043	1 881 600	2 031 039	2 166 736
% Margin	31%	33%	36%	38%	39%	40%	40%	40%	40%	40%
Income tax expense	-131 678	-167 794	-207 812	-247 059	-291 389	-327 505	-361 839	-395 136	-426 518	-455 015
% Effective tax rate	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%
Net income	495 360	631 223	781 769	929 414	1 096 179	1 232 041	1 361 204	1 486 464	1 604 521	1 711 722
% Profit Margin	25%	26%	28%	30%	31%	31%	32%	32%	32%	32%
Preferred stock dividends	-15 375	-15 375	-15 375	-15 375	-15 375	-15 375	-15 375	-15 375	-15 375	-15 375
Net income available to common stockholders	<b>479 985</b> 24%	<b>615 848</b> 26%	<b>766 394</b> 28%	<b>914 039</b> 29%	1 080 804 31%	<b>1 216 666</b> 31%	<b>1 345 829</b> 31%	<b>1 471 089</b> 31%	1 589 146 32%	1 <b>696 347</b> 32%
% Profit Margin	24%	20%	20%	29%	31%	31%	31%	31%	32%	32%

- 52 - | Valid until 06/10/2021 © WUTIS







### Balance sheet forecast

Balance Sheet		2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Assets											
Cash and cash equivalents		1 735 635	1 524 946	1 217 488	854 689	429 230	539 651	659 297	786 106	917 390	1 049 856
•	% of TA	6,00%	4,77%	3,54%	2,31%	1,08%	1,24%	1,41%	1,58%	1,75%	1,91%
Restricted cash		23 612	23 612	23 612	23 612	23 612	23 612	23 612	23 612	23 612	23 612
	% of TA	0,08%	0,07%	0,07%	0,06%	0,06%	0,05%	0,05%	0,05%	0,04%	0,04%
NET flight equipment		23 380 667	26 327 387	28 863 375	31 649 930	34 719 281	37 727 831	40 609 816	43 293 333	45 702 424	47 759 626
	% of TA	81%	82%	84%	85%	87%	87%	87%	87%	87%	87%
	Growth, %	15%	13%	10%	10%	10%	9%	8%	7%	6%	5%
Deposits on flight equipment purchases		2 327 067	2 571 248	2 767 070	2 979 405	3 210 355	3 488 544	3 755 029	4 003 164	4 225 923	4 416 144
	% of TA	8%	8%	8%	8%	8%	8%	8%	8%	8%	8%
Other assets	0/ /TA	1 460 275	1 515 428	1 525 296	1 528 698	1 524 742	1 585 685	1 630 195	1 656 237	1 662 173	1 646 884
<b>-</b>	% of TA	5%	5%	4%	4%	4%	4%	3%	3%	3%	3%
Total assets	0	28 927 257	31 962 621	34 396 840	37 036 334	39 907 219	43 365 323	<b>46 677 949</b> 8%	49 762 452	52 531 522	54 896 122
	Growth, %	15%	10%	8%	8%	8%	9%	8%	7%	6%	5%
Liabilities and Shareholders' Equity											
Accrued interest and other payables		632 820	699 223	752 474	810 217	873 021	948 671	1 021 139	1 088 617	1 149 193	1 200 922
nicoraca interest and carer payables	% of TA	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
	% Debt	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%
Debt financing, net of discounts and issuance	ce costs	18 802 717	20 775 703	22 357 946	24 073 617	25 939 693	28 187 460	30 340 667	32 345 594	34 145 489	35 682 479
<b>o</b> .	% of TA	65%	65%	65%	65%	65%	65%	65%	65%	65%	65%
Security deposits and maintenance reserve	s on flight equipment										
leases		1 230 623	1 385 722	1 519 201	1 665 870	1 827 423	1 985 775	2 137 466	2 278 711	2 405 512	2 513 791
	% of TA	4%	4%	4%	4%	5%	5%	5%	5%	5%	5%
	% of NBV	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%
Rentals received in advance		143 879	170 318	197 704	223 239	251 909	279 195	306 492	333 245	358 827	382 554
	% of TA	0%	1%	1%	1%	1%	1%	1%	1%	1%	1%
	% of Revenues	7%	7%	7%	7%	7%	7%	7%	7%	7%	7%
Deferred tax liability		916 404	916 404	916 404	916 404	916 404	916 404	916 404	916 404	916 404	916 404
	% of TA	3%	3%	3%	2%	2%	2%	2%	2%	2%	2%
Total liabilities	0/ -4 TA	21 726 443	23 947 370	25 743 730	27 689 347	29 808 449	32 317 505	34 722 168	36 962 571	38 975 426	40 696 150
	% of TA	75%	75%	75%	75%	75%	75%	74%	74%	74%	74%
Shareholders' Equity											
Preferred Stock, \$0.01 par value		103	103	103	103	103	103	103	103	103	103
Class A common stock, \$0.01 par value		1 141	1 141	1 141	1 141	1 141	1 141	1 141	1 141	1 141	1 141
Class B Non-Voting common stock, \$0.01 p	ar value	11-11	1 1-71	1 1-71	1 1-71	1 141	1 1-71	1 1-11	1 1-71	1 1-11	1 1-41
Paid-in capital	ai vaido	3 513 983	3 804 950	3 791 374	3 708 318	3 541 418	3 456 299	3 220 308	2 813 983	2 219 424	1 421 404
	% of TA	12%	12%	11%	10%	9%	8%	7%	6%	4%	3%
Retained earnings	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	3 685 586	4 209 057	4 860 492	5 637 425	6 556 109	7 590 275	8 734 229	9 984 654	11 335 429	12 777 323
ŭ	% of TA	13%	13%	14%	15%	16%	18%	19%	20%	22%	23%
Accumulated other comprehensive income/	(loss)	-	-	-	-	-	-	-	-	-	-
Total about boldered a south		7,000,011	0.045.054	0.050.440	0.040.000	40 000 770	44.047.040	44.055.701	10 700 000	40 550 000	44400.071
Total shareholders' equity	0/ -4 TA	7 200 814	8 015 251	8 653 110	9 346 988	10 098 770	11 047 818	11 955 781	12 799 882	13 556 096	14 199 971
Total liabilities and shousholds \\tag{\tag{\tag{\tag{\tag{\tag{\tag{	% of TA	25%	25%	25%	25%	25%	25%	26%	26%	26%	26%
Total liabilities and shareholders' equity		28 927 257	31 962 621	34 396 840	37 036 334	39 907 219	43 365 323	46 677 949	49 762 452	52 531 522	54 896 122



### Cash flow statement forecast

Cash Flow	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Operating Activities	2021	2022	2023	2024	2025	2020	2021	2020	2029	2030
Net income	495 360	631 223	781 769	929 414	1 096 179	1 232 041	1 361 204	1 486 464	1 604 521	1 711 722
Adjustments to reconcile net income to net cash provided by	400 000	001 220	701700	020 414	1 000 170	1 202 041	1 001 204	1 400 404	1 004 021	1711722
operating activities:										
Depreciation of flight equipment	778 853	883 785	991 264	1 089 205	1 199 744	1 324 378	1 451 879	1 580 087	1 706 556	1 828 624
Stock-based compensation	16 965	19 247	21 373	23 038	24 761	27 443	30 126	32 756	35 271	37 603
Deferred taxes	-	-	-	-	-	-	-	-	-	-
Amortization of prepaid lease costs	-	-	-	-	-	-	-	-	-	-
Amortization of discounts and debt issuance costs	-	-	-	-	-	-	-	-	-	-
Gain on aircraft sales, trading and other activity	-	-	-	-	-	-	-	-	-	-
Changes in operating assets and liabilities:										
Other assets	-183 336	-55 153	-9 868	-3 402	3 956	-60 943	-44 510	-26 042	-5 936	15 289
Accrued interest and other payables	140 347	66 402	53 252	57 742	62 804	75 650	72 468	67 477	60 577	51 729
Rentals received in advance	964	26 439	27 386	25 535	28 670	27 286	27 297	26 753	25 582	23 727
Net cash provided by operating activities	1 249 153	1 571 945	1 865 175	2 121 533	2 416 114	2 625 855	2 898 464	3 167 495	3 426 572	3 668 693
Investing Activities										
Investing Activities Acquisition of flight equipment under operating lease										
Payments for deposits on flight equipment purchases	-526 948	-244 181	-195 822	-212 335	-230 950	-278 189	-266 486	-248 134	-222 759	-190 221
Proceeds from aircraft sales, trading and other activity	-320 940	-244 101	-193 022	-212 333	-230 930	-270 109	-200 400	-240 134	-222 139	-190 221
NET Acquisition and Proceeds	-3 779 170	-3 830 505	-3 527 251	-3 875 761	-4 269 094	-4 332 928	-4 333 865	-4 263 604	-4 115 647	-3 885 826
TVET / toquisition and 1 Tooccus	0770170	0 000 000	0 027 201	0010101	4 200 004	4 002 020	4 000 000	4 200 004	4 1 10 047	0 000 020
Acquisition of aircraft furnishings, equipment and other assets			-	-	-	-	-	-	-	-
Net cash used in investing activities	-4 306 118	-4 074 686	-3 723 073	-4 088 096	-4 500 044	-4 611 116	-4 600 350	-4 511 739	-4 338 406	-4 076 047
Net cash used in investing activities	-4 306 118	-4 074 686	-3 723 073	-4 088 096	-4 500 044	-4 611 116	-4 600 350	-4 511 739	-4 338 406	-4 076 047
Financing Activities	-4 306 118	-4 074 686	-3 723 073	-4 088 096	-4 500 044	-4 611 116	-4 600 350	-4 511 739	-4 338 406	-4 076 047
Financing Activities Issuance of common stock upon exercise of options and		-4 074 686	-3 723 073	-4 088 096	-4 500 044	-4 611 116	-4 600 350	-4 511 739	-4 338 406	-4 076 047
Financing Activities Issuance of common stock upon exercise of options and warrants	3	-4 074 686 -	-3 723 073 -	-4 088 096 -	-4 500 044 -	-4 611 116 -	-4 600 350 -	-4 511 739 -	-4 338 406 -	-4 076 047 -
Financing Activities Issuance of common stock upon exercise of options and warrants Issuance of preferred stock	3 2	- -	: :	-	- -	- -	- -	: :	- -	-
Financing Activities Issuance of common stock upon exercise of options and warrants Issuance of preferred stock Cash dividends paid on Class A common stock	3 2 -71 998	- - -92 377	- - -114 959	- -137 106	- - -162 121	- -182 500	- -201 874	-220 663	- -238 372	- - -254 452
Financing Activities Issuance of common stock upon exercise of options and warrants Issuance of preferred stock Cash dividends paid on Class A common stock Preferred dividends paid	3 2	- -	: :	-	- -	- -	- -	: :	- -	-
Financing Activities Issuance of common stock upon exercise of options and warrants Issuance of preferred stock Cash dividends paid on Class A common stock Preferred dividends paid Tax withholdings on stock-based compensation	3 2 -71 998	- - -92 377	- - -114 959	- -137 106	- - -162 121	- -182 500	- -201 874	-220 663	- -238 372	- - -254 452
Financing Activities Issuance of common stock upon exercise of options and warrants Issuance of preferred stock Cash dividends paid on Class A common stock Preferred dividends paid Tax withholdings on stock-based compensation Net change in unsecured revolving facilities	3 2 -71 998 -15 375	- -92 377 -15 375	- -114 959 -15 375	-137 106 -15 375	-162 121 -15 375	-182 500 -15 375	- -201 874 -15 375	-220 663 -15 375	- -238 372 -15 375	- -254 452 -15 375
Financing Activities Issuance of common stock upon exercise of options and warrants Issuance of preferred stock Cash dividends paid on Class A common stock Preferred dividends paid Tax withholdings on stock-based compensation Net change in unsecured revolving facilities Proceeds from debt financings	3 2 -71 998 -15 375 4 221 009	-92 377 -15 375	-114 959 -15 375 5 150 011	-137 106 -15 375 4 836 174	-162 121 -15 375	-182 500 -15 375 7 141 065	-201 874 -15 375 7 522 468	-220 663 -15 375	-238 372 -15 375	-254 452 -15 375
Financing Activities Issuance of common stock upon exercise of options and warrants Issuance of preferred stock Cash dividends paid on Class A common stock Preferred dividends paid Tax withholdings on stock-based compensation Net change in unsecured revolving facilities Proceeds from debt financings Payments in reduction of debt financings	3 2 -71 998 -15 375	- -92 377 -15 375	- -114 959 -15 375	-137 106 -15 375	-162 121 -15 375	-182 500 -15 375	- -201 874 -15 375	-220 663 -15 375	- -238 372 -15 375	- -254 452 -15 375
Financing Activities Issuance of common stock upon exercise of options and warrants Issuance of preferred stock Cash dividends paid on Class A common stock Preferred dividends paid Tax withholdings on stock-based compensation Net change in unsecured revolving facilities Proceeds from debt financings Payments in reduction of debt financings Net change in restricted cash	3 2 -71 998 -15 375 4 221 009	-92 377 -15 375	-114 959 -15 375 5 150 011	-137 106 -15 375 4 836 174	-162 121 -15 375	-182 500 -15 375 7 141 065	-201 874 -15 375 7 522 468	-220 663 -15 375	-238 372 -15 375	-254 452 -15 375
Financing Activities Issuance of common stock upon exercise of options and warrants Issuance of preferred stock Cash dividends paid on Class A common stock Preferred dividends paid Tax withholdings on stock-based compensation Net change in unsecured revolving facilities Proceeds from debt financings Payments in reduction of debt financings Net change in restricted cash Debt issuance costs	3 2 -71 998 -15 375 4 221 009	-92 377 -15 375	-114 959 -15 375 5 150 011	-137 106 -15 375 4 836 174	-162 121 -15 375	-182 500 -15 375 7 141 065	-201 874 -15 375 7 522 468	-220 663 -15 375	-238 372 -15 375	-254 452 -15 375
Financing Activities Issuance of common stock upon exercise of options and warrants Issuance of preferred stock Cash dividends paid on Class A common stock Preferred dividends paid Tax withholdings on stock-based compensation Net change in unsecured revolving facilities Proceeds from debt financings Payments in reduction of debt financings Net change in restricted cash Debt issuance costs Security deposits and maintenance reserve receipts	3 2 -71 998 -15 375 4 221 009	-92 377 -15 375	-114 959 -15 375 5 150 011	-137 106 -15 375 4 836 174	-162 121 -15 375	-182 500 -15 375 7 141 065	-201 874 -15 375 7 522 468	-220 663 -15 375	-238 372 -15 375	-254 452 -15 375
Financing Activities Issuance of common stock upon exercise of options and warrants Issuance of preferred stock Cash dividends paid on Class A common stock Preferred dividends paid Tax withholdings on stock-based compensation Net change in unsecured revolving facilities Proceeds from debt financings Payments in reduction of debt financings Net change in restricted cash Debt issuance costs	3 2 -71 998 -15 375 4 221 009	-92 377 -15 375	-114 959 -15 375 5 150 011	-137 106 -15 375 4 836 174	-162 121 -15 375	-182 500 -15 375 7 141 065 -4 893 298	-201 874 -15 375 7 522 468	-220 663 -15 375	-238 372 -15 375	-254 452 -15 375
Financing Activities Issuance of common stock upon exercise of options and warrants Issuance of preferred stock Cash dividends paid on Class A common stock Preferred dividends paid Tax withholdings on stock-based compensation Net change in unsecured revolving facilities Proceeds from debt financings Payments in reduction of debt financings Net change in restricted cash Debt issuance costs Security deposits and maintenance reserve receipts Security deposits and maintenance reserve disbursements Paid-in capital adjustments	3 2 -71 998 -15 375 4 221 009 -1 936 630	-92 377 -15 375 5 244 721 -3 271 734	-114 959 -15 375 5 150 011 -3 567 768	-137 106 -15 375 4 836 174 -3 120 503	-162 121 -15 375 6 244 228 -4 378 152	-182 500 -15 375 7 141 065 -4 893 298 158 353 -112 562	-201 874 -15 375 7 522 468 -5 369 261	220 663 -15 375 7 007 876 -5 002 950	-238 372 -15 375 6 417 578 -4 617 683	254 452 -15 375 9 397 526 -7 860 536
Financing Activities Issuance of common stock upon exercise of options and warrants Issuance of preferred stock Cash dividends paid on Class A common stock Preferred dividends paid Tax withholdings on stock-based compensation Net change in unsecured revolving facilities Proceeds from debt financings Payments in reduction of debt financings Net change in restricted cash Debt issuance costs Security deposits and maintenance reserve receipts Security deposits and maintenance reserve disbursements	3 2 -71 998 -15 375 4 221 009 -1 936 630	-92 377 -15 375 5 244 721 -3 271 734	-114 959 -15 375 5 150 011 -3 567 768	-137 106 -15 375 4 836 174 -3 120 503	-162 121 -15 375 6 244 228 -4 378 152	-182 500 -15 375 7 141 065 -4 893 298	-201 874 -15 375 7 522 468 -5 369 261	- 220 663 -15 375 7 007 876 -5 002 950	-238 372 -15 375 6 417 578 -4 617 683	-254 452 -15 375 9 397 526 -7 860 536
Financing Activities Issuance of common stock upon exercise of options and warrants Issuance of preferred stock Cash dividends paid on Class A common stock Preferred dividends paid Tax withholdings on stock-based compensation Net change in unsecured revolving facilities Proceeds from debt financings Payments in reduction of debt financings Net change in restricted cash Debt issuance costs Security deposits and maintenance reserve receipts Security deposits and maintenance reserve disbursements Paid-in capital adjustments Net cash provided by financing activities	3 2 -71 998 -15 375 4 221 009 -1 936 630 157 919 703 515 3 058 445	-92 377 -15 375 5 244 721 -3 271 734 155 098 271 719 2 292 052	-114 959 -15 375 5 150 011 -3 567 768 133 480 -34 948 1 550 440	-137 106 -15 375 4 836 174 -3 120 503 146 668 -106 094 1 603 765	-162 121 -15 375 6 244 228 -4 378 152 161 553 -191 662 1 658 471	-182 500 -15 375 7 141 065 -4 893 298 158 353 -112 562 2 095 683	-201 874 -15 375 7 522 468 -5 369 261 151 691 -266 117 1 821 532	-220 663 -15 375 7 007 876 -5 002 950 141 245 -439 081 1 471 052	-238 372 -15 375 6 417 578 -4 617 683 126 801 -629 830 1 043 118	-254 452 -15 375 9 397 526 -7 860 536 108 279 -835 622 539 820
Financing Activities Issuance of common stock upon exercise of options and warrants Issuance of preferred stock Cash dividends paid on Class A common stock Preferred dividends paid Tax withholdings on stock-based compensation Net change in unsecured revolving facilities Proceeds from debt financings Payments in reduction of debt financings Net change in restricted cash Debt issuance costs Security deposits and maintenance reserve receipts Security deposits and maintenance reserve disbursements Paid-in capital adjustments	3 2 -71 998 -15 375 4 221 009 -1 936 630	-92 377 -15 375 5 244 721 -3 271 734	-114 959 -15 375 5 150 011 -3 567 768	-137 106 -15 375 4 836 174 -3 120 503	-162 121 -15 375 6 244 228 -4 378 152	-182 500 -15 375 7 141 065 -4 893 298 158 353 -112 562	-201 874 -15 375 7 522 468 -5 369 261	-220 663 -15 375 7 007 876 -5 002 950 141 245 -439 081	-238 372 -15 375 -6 417 578 -4 617 683	-254 452 -15 375 9 397 526 -7 860 536
Financing Activities Issuance of common stock upon exercise of options and warrants Issuance of preferred stock Cash dividends paid on Class A common stock Preferred dividends paid Tax withholdings on stock-based compensation Net change in unsecured revolving facilities Proceeds from debt financings Payments in reduction of debt financings Net change in restricted cash Debt issuance costs Security deposits and maintenance reserve receipts Security deposits and maintenance reserve disbursements Paid-in capital adjustments Net cash provided by financing activities  Net increase in cash	3 2 2 -71 998 -15 375 4 221 009 -1 936 630 157 919 703 515 3 058 445 1 480	-92 377 -15 375 5 244 721 -3 271 734 155 098 271 719 2 292 052 -210 689	-114 959 -15 375 5 150 011 -3 567 768 133 480 -34 948 1 550 440 -307 458	-137 106 -15 375 4 836 174 -3 120 503 146 668 -106 094 1 603 765 -362 799	-162 121 -15 375 6 244 228 -4 378 152 161 553 -191 662 1 658 471 -425 460	-182 500 -15 375 7 141 065 -4 893 298 158 353 -112 562 2 095 683 110 422	-201 874 -15 375 7 522 468 -5 369 261 151 691 -266 117 1 821 532 119 646	-220 663 -15 375 7 007 876 -5 002 950 141 245 -439 081 1 471 052 126 809	-238 372 -15 375 6 417 578 -4 617 683 126 801 -629 830 1 043 118	-254 452 -15 375 9 397 526 -7 860 536 108 279 -835 622 539 820
Financing Activities Issuance of common stock upon exercise of options and warrants Issuance of preferred stock Cash dividends paid on Class A common stock Preferred dividends paid Tax withholdings on stock-based compensation Net change in unsecured revolving facilities Proceeds from debt financings Payments in reduction of debt financings Net change in restricted cash Debt issuance costs Security deposits and maintenance reserve receipts Security deposits and maintenance reserve disbursements Paid-in capital adjustments Net cash provided by financing activities	3 2 -71 998 -15 375 4 221 009 -1 936 630 157 919 703 515 3 058 445	-92 377 -15 375 5 244 721 -3 271 734 155 098 271 719 2 292 052	-114 959 -15 375 5 150 011 -3 567 768 133 480 -34 948 1 550 440	-137 106 -15 375 4 836 174 -3 120 503 146 668 -106 094 1 603 765	-162 121 -15 375 6 244 228 -4 378 152 161 553 -191 662 1 658 471	-182 500 -15 375 7 141 065 -4 893 298 158 353 -112 562 2 095 683	-201 874 -15 375 7 522 468 -5 369 261 151 691 -266 117 1 821 532	-220 663 -15 375 7 007 876 -5 002 950 141 245 -439 081 1 471 052	-238 372 -15 375 6 417 578 -4 617 683 126 801 -629 830 1 043 118	-254 452 -15 375 9 397 526 -7 860 536 108 279 -835 622 539 820

- 54 - | Valid until 06/10/2021 © WUTIS

61,51

30%











## Free cash flow to equity

**Share Price Upside Potential** 

Air Lease   Valuation	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	TV
FCFO	1 249 153	1 571 945	1 865 175	2 121 533	2 416 114	2 625 855	2 898 464	3 167 495	3 426 572	3 668 693	
Depreciation	778 853	883 785	991 264	1 089 205	1 199 744	1 324 378	1 451 879	1 580 087	1 706 556	1 828 624	
Capex	-3 779 170	-3 830 505	-3 527 251	-3 875 761	-4 269 094	-4 332 928	-4 333 865	-4 263 604	-4 115 647	-3 885 826	
Debt issued	4 221 009	5 244 721	5 150 011	4 836 174	6 244 228	7 141 065	7 522 468	7 007 876	6 417 578	9 397 526	
Debt repaid	-1 936 630	-3 271 734	-3 567 768	-3 120 503	-4 378 152	-4 893 298	-5 369 261	-5 002 950	-4 617 683	-7 860 536	
Equity CF	- 139 307	- 285 573	- 79 833	- 38 557	13 095	540 695	717 807	908 817	1 110 820	1 319 857	14 532 297
Discounted CF	- 129 234	- 232 084	- 56 837	- 24 048	7 155	258 805	300 989	333 844	357 465	372 083	4 096 825
Cash & Cash Equivalents	1 734 155										
Equity value	5 284 963										
Shares Outstanding	114120,86										











CC	Α	Va	alu	ati	on

Air Lease   CCA Valuation	Share price	EPS 2021	EPS 2022	EPS 2023	BV/share 2021	BV/share 2021	BV/share 2021	ROE 2021	ROE 2022	<b>ROE 2023</b>
AerCap Holdings N.V.	58,68	5,47	5,76	7,25	73,97	71,21	78,63	8,44%	14,31%	11,22%
BOC Aviation Limited (SEHK:2588)	8,96	1,09	1,24	1,42	7,62	8,40	9,30	14,43%	15,28%	15,55%
Fly Leasing Limited	16,94	1,64	1,68		26,46	28,55	30,04	2,86%	5,72%	7,24%
Fortress Transportation and Infrastructure Investors LLC	28,16	0,89	2,79		10,43	12,23	14,10	6,99%		
China Aircraft Leasing Group Holdings Limited	0,8	0,15	0,17	0,2	0,85	0,95	1,13	19,15%	19,08%	18,50%
Air Lease	47,44	5,17	6,43	9,21	60,01	65,92	70,57	8%	9%	10%
Maximum		5,47	6,43	9,21	73,97	71,21	78,63	0,19	0,19	0,19
75th Percentile		4,29	5,02	7,74	51,62	56,58	60,44	0,13	0,15	0,16
Median		1,37	2,24	4,34	18,45	20,39	22,07	0,08	0,14	0,11
Average		2,40	3,01	4,52	29,89	31,21	33,96	0,10	0,13	0,13
25th Percentile		0,94	1,35	1,12	8,32	9,36	10,50	0,07	0,09	0,10
Minimum		0,15	0,17	0,20	0,85	0,95	1,13	0,03	0,06	0,07
Air Lease   CCA Valuation		P/E 2021	P/E 2022	P/E 2023	P/B 2021	P/B 2022	P/B 2023			
AerCap Holdings N.V.		10,73	10,19	8,09	0,79	0,82	0,75			
BOC Aviation Limited (SEHK:2588)		8,22	7,23	6,31	1,18	1,07	0,96			
Fly Leasing Limited		10,33	10,08		0,64	0,59	0,56			
					. =-					
Fortress Transportation and Infrastructure Investors LLC		31,64	10,09		2,70	2,30	2,00			
China Aircraft Leasing Group Holdings Limited		5,33	4,71	4,00	0,94	0,84	0,71			
Maximum		04.04	10.10	0.00	0.70	0.00	0.00			
		31,64	10,19	8,09	2,70	2,30	2,00			
75th Percentile		10,73	10,09	7,20	1,18	1,07	0,96			
Median		10,33	10,08	6,31	0,94	0,84	0,75			
Average		13,25	8,46	6,13	1,25	1,13	1,00			
25th Percentile		8,22	7,23	5,15	0,79	0,82	0,71			
Minimum		5,33	4,71	4,00	0,64	0,59	0,56			
Air Lance   Lanceline   Change Bridge		D/E 0004	D/E 0000	D/F 0000	D/D 0004	D/D 0000	D/D 0000			
Air Lease   Implied Share Price 75th Percentile		P/E 2021	P/E 2022	P/E 2023	P/B 2021	P/B 2022	P/B 2023			
		55,46	64,90		70,56	70,31	67,99			
Median		53,40	64,84		56,48	55,51	52,66			
Average		68,50	54,39		75,02	74,21	70,27			
25th Percentile		42,50	46,46		47,61	54,32	49,96			
handled above asias							F7 F4			
Implied share price							57,56			





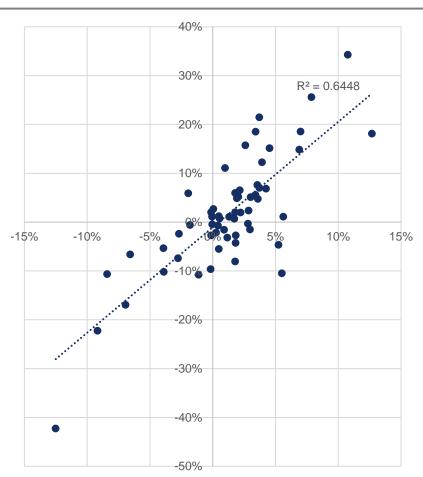
### Beta Derivation I

Beta Derivation (Vasicek method*)		* M	lethod used from Va	asicek (1973)				
OLS beta Peer beta Peers standard error OLS standard error Weight Implied beta	$eta_{1,62}$ $eta_{adj} = w * eta_{OLS} + (1 - w) * eta_{avg}$ $0,58$ $0,21$ $0,88$ $2,09$ $\phi$ $\phi$ $\phi$ $\phi$ $\phi$ $\phi$ $\phi$							
Peer beta								
	Equity Beta	Tax Rate	Net Debt (\$M)	Market cap (\$M)	Debt/Equity			
AerCap Holdings N.V.	2,43	21%	27 105 601 000	7 543 377 246	359%	0,63		
BOC Aviation Limited (SEHK:2588)	1,15	17%	16 300 228 000	48 118 449 842	34%	0,89		
Fly Leasing Limited	1,52	13%	1 783 837 000	516 654 120	345%	0,38		
Willis Lease Corporation	1,29	21%	1 697 640 000	277 865 268	611%	0,22		
Fortress Transportation and Infrastructure Investors LLC	1,99	21%	1 917 150 000	2 473 872 454	77%	1,24		
China Aircraft	0,87	25%	32 323 796 000	4 478 430 086	722%	0,14		
Average	1,54	0,20	13521375333	10 568 108 169	3,58	0,58		
Median	1,41	0,21	9108689000	3 476 151 270	3,52	0,51		
Air Lease		21%	14 838 905 000	5 327 328 299	279%	1,62		



### Beta Derivation II

#### **Beta Estimation**



### **Trailing Beta**











ERP, Cost of equity & sustainable growth rate

Air Lease   ERP calculation	% of Revenue ERP	Weig	ghted ERP
Asia (excluding China)	29%	6,08%	1,79%
Europe	27%	5,78%	1,56%
China	18%	5,40%	0,95%
The Middle East and Africa	11%	7,40%	0,84%
U.S. and Canada	5%	4,72%	0,26%
Pacific, Australia, and New Zealand	5%	4,72%	0,22%
Central America, South America, and			
Mexico	5%	8,71%	0,39%
SUM of weighted ERP			6,01%

Cost of Equity	
Beta	2,09
10Y US Treasury Bond as of 04.06.2021	1,56%
Cost of Equity	14,15%

Sustainable growth rate	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capital needs	3 190 546	3 216 049	2 813 537	3 110 885	3 453 851	3 437 157	3 434 415	3 372 188	3 243 093	3 041 071
Debt ratio	78%	67%	62%	61%	60%	74%	73%	73%	73%	72%
Equity reinvestment	712 333	1 060 376	1 076 745	1 218 115	1 384 687	902 629	912 962	908 448	886 856	846 233
Equity reinvestment rate	148%	170%	138%	130%	124%	69%	60%	53%	46%	39%
ROE	9%	9%	10%	11%	11%	12%	13%	13%	14%	15%
Sustainable growth rate	13%	16%	14%	14%	14%	8%	8%	7%	7%	6%

- 59 - | Valid until 06/10/2021 © WUTIS



### Debt forecast

T . I . I . I . I															
Total Debt Balance	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Debt BOP	7 712 421			11 538 905	13 578 866				22 357 946			28 187 460		32 345 594	
Repayment of current debt	1112421	0/130/4	9 696 765	11 538 905	13 57 8 800	1 936 630	2 730 561	2 502 123	1 539 857	2 313 889	25 939 693	28 187 460	30 340 667	32 345 594	34 145 469
Total principal repayment	1 093 910	1 303 499	1 270 505	978 369	1 728 029	1 936 630	3 271 734	3 567 768	3 120 503	4 378 152	4 893 298	5 369 261	5 002 950	4 617 683	7 860 536
% of TD BOP		15%	1270 303	8%	1726 029	1930 030	17%	17%	14%	18%	19%		16%	14%	23%
Debt issued	2 021 966		3 533 885	3 567 728	4 659 762	4 221 009	5 244 721	5 150 011	4 836 174	6 244 228	7 141 065	7 522 468	7 007 876	6 417 578	9 397 526
Implied D/E		2 100 024	0 000 000	0 001 120	4 000 7 02	65%	65%	65%	65%	65%	65%	65%	65%	65%	65%
Debt EOP	8 713 874	9 698 785	11 538 905	13 578 866	16 518 338	18 802 717	20 775 703	22 357 946		25 939 693			32 345 594	34 145 489	35 682 479
2020.20.	0710071	0 000 100	11 000 000	10 010 000	10 010 000	10 002 1 11	20110100	22 001 010	21010011	20 000 000	20 101 100	00 0 10 001	02 0 10 00 1	01110100	00 002
<b>Current Debt Repayment Sched</b>	ule														
OLD debt BOP						16 518 338	14 581 708	11 851 147	9 349 024	7 809 167	5 495 278	3 290 666	1 086 054	-	-
Repayment						1 936 630	2 730 561	2 502 123	1 539 857	2 313 889	2 204 612	2 204 612	1 086 054	-	-
OLD debt EOP						14 581 708	11 851 147	9 349 024	7 809 167	5 495 278	3 290 666	1 086 054	-	-	-
Debt Repayment Schedule (deb	t issued in May)														
New debt in May maturing in			1,88%												
2026 BOP	(	Coupon	1,00%			1 190 720	1 190 720	952 576	714 432	476 288	238 144				
Principal repayment						1 190 720	238 144	238 144	238 144	238 144	238 144				
Interest paid						-	22 326	17 861	13 396	8 930	4 465				
EOP						1 190 720	952 576	714 432	476 288	238 144	4 403				
201						1 130 720	332 370	714 402	470 200	230 144					
New Debt Repayment Schedule (d	lebt issued in May)														
Assumed maturity	10														
Principal repayment of 2022							303 029	303 029	303 029	303 029	303 029	303 029	303 029	303 029	303 029
Principal repayment of 2023								524 472	524 472	524 472	524 472	524 472	524 472	524 472	524 472
Principal repayment of 2024									515 001	515 001	515 001	515 001	515 001	515 001	515 001
Principal repayment of 2025										483 617	483 617	483 617	483 617	483 617	804 770
Principal repayment of 2026											624 423	624 423	624 423	624 423	1 039 079
Principal repayment of 2027												714 107	714 107	714 107	1 188 318
Principal repayment of 2028													752 247	752 247	1 251 786
Principal repayment of 2029														700 788	1 166 155
Principal repayment of 2030															1 067 926
Total repayment						-	541 173	1 065 645	1 580 646	2 064 263	2 688 686	3 164 649	3 916 896	4 617 683	7 860 536
Interest expenses															
Old debt interest expenses						496 477	471 922	467 457	462 992	458 526	164 516,1			_	0
Total interest				101011								000 500	054 000	4 0 4 0 0 7 0	1 070 290
i otai ii iterest	286 201	287 371	342 732	434 011	474 758	496 477	569 983	635 148	689 283	748 382	813 080	883 536	951 028	1 013 873	1 070 290

- 60 - | Valid until 06/10/2021 © WUTIS

219,56

219,64











29Y

30Y

Cost of debt									
Implied cost of debt	3,13% BBB - Z-Spread	* 10y gov bond+credit spre- US yield curve	ad						
Term	· · · · · · · · · · · · · · · · · · ·	•	2			7	40		30
1M 3M	27,06 30,08	1 0,05	2 0,14	3 0,32	5 0,78	7 1,23	10 1,56	20 2,16	30 2,24
6M	34,63	0,05	0,14	0,32	0,78	1,23	1,50	2,10	2,24
9M	34,03 39,01	Amount	Coupon	Start	End	Maturity	Weight	W mat	W coupon
1Y	43,23	600	3,38%	11.04.2016	01.06.2021	5	0,05	0,25	0,17%
2Y	59,85	300	0,81%	03.06.2019	03.06.2021	2	0,03	0,25	0,17 %
3Y	75,58	700	3,50%	17.09.2018	15.01.2022	3	0,06	0,19	0,20%
4Y	90,07	600	3,75%	14.01.2015	01.02.2022	7	0,05	0,35	0,18%
5Y	103,56	600	2,25%	09.09.2019	15.01.2023	3	0,05	0,17	0,11%
6Y	116,09	500	3,88%	18.06.2018	03.07.2023	5	0,04	0,21	0,16%
7Y	127,75	700	4,25%	23.01.2019	01.02.2024	5	0,06	0,29	0,24%
8Y	138,49	750	0,70%	19.01.2021	15.02.2024	3	0,06	0,19	0,04%
9Y	148,44	500	4,25%	16.09.2014	15.09.2024	10	0,04	0,41	0,17%
10Y	157,45	330	2,63%	05.12.2019	05.12.2024	5	0,03	0,14	0,07%
11Y	165,67	750	2,30%	14.01.2020	01.02.2025	5	0,06	0,31	0,14%
12Y	173,16	700	3,25%	16.01.2018	01.03.2025	7	0,06	0,41	0,19%
13Y	179,92	1450	2,88%	10.08.2020	15.01.2026	5	0,12	0,65	0,34%
14Y	186	750	3,75%	23.05.2019	01.06.2026	7	0,06	0,43	0,23%
15Y	191,46	500	3,63%	08.03.2017	01.04.2027	10	0,04	0,41	0,15%
16Y	196,25	500	4,63%	17.09.2018	01.10.2028	10	0,04	0,41	0,19%
17Y	200,47	750	3,13%	17.11.2020	01.12.2030	10	0,06	0,62	0,19%
18Y	204,16	1190	1,88%	17.04.2021	15.08.2026	5	0,10	0,52	0,18%
19Y	207,35	12170						6,01	2,99%
20Y	210,08								
21Y	212,36								
22Y	214,24								
23Y	215,77								
24Y	216,98								
25Y	217,91								
26Y	218,6								
27Y	219,08								
28Y	219,38								









### Fleet net book value, depreciation, CAPEX forecast

Air Lease   Total Debt Balance	2016	2017 2	018 20	019 20	)20 2	2021 2	022 2	2023 2	2024 2	2025 2	2026 2	2027 2	2028 2	029 20	030
NBV BOP	10 813 475		13 280 250	15 707 110	18 704 337	20 380 350	23 380 667	26 327 387	28 863 375	31 649 930	34 719 281	37 727 831	40 609 816	43 293 333	45 702 424
Depreciation	452 682	508 352	581 985	702 810	780 691	778 853	883 785	991 264	1 089 205	1 199 744	1 324 378	1 451 879	1 580 087	1 706 556	1 828 624
Capex	2 005 516	2 143 951	3 384 820	3 843 977	2 527 091	3 779 170	3 830 505	3 527 251	3 875 761	4 269 094	4 332 928	4 333 865	4 263 604	4 115 647	3 885 826
NBV EOP	12 041 925	13 280 250	15 707 110	18 704 337	20 380 350	23 380 667	26 327 387	28 863 375	31 649 930	34 719 281	37 727 831	40 609 816	43 293 333	45 702 424	47 759 626
Fleet growth,		10%	18%	19%	9%	15%	13%	10%	10%	10%	9%	8%	7%	6%	5%
Capex as % of NBV BC			22%	21%	12%	16%	15%	12%	12%	12%	11%	11%	10%	9%	8%
•															
Depreciation schedule	2016	2017 20	018 20	)19 20	20 2	2021 2	022 2	2023 2	2024 2	2025 2	2026 2	2027 2	2028 2	029 20	030
Old BOP						20 380 350	19 687 418	19 018 046	18 371 432	17 746 804	17 143 412	16 560 536	15 997 478	15 453 564	14 928 143
Old dep						692 932	669 372	646 614	624 629	603 391	582 876	563 058	543 914	525 421	507 557
Old BOE						19 687 418	19 018 046	18 371 432	17 746 804	17 143 412	16 560 536	15 997 478	15 453 564	14 928 143	14 420 586
Dep new 2021 capex						85 921	85 921	85 921	85 921	85 921	85 921	85 921	85 921	85 921	85 921
Dep new 2022 capex							128 492	128 492	128 492	128 492	128 492	128 492	128 492	128 492	128 492
Dep new 2023 capex								130 237	130 237	130 237	130 237	130 237	130 237	130 237	130 237
Dep new 2024 capex									119 927	119 927	119 927	119 927	119 927	119 927	119 927
Dep new 2025 capex										131 776	131 776	131 776	131 776	131 776	131 776
Dep new 2025 capex											145 149	145 149	145 149	145 149	145 149
Dep new 2025 capex												147 320	147 320	147 320	147 320
Dep new 2025 capex													147 351	147 351	147 351
Dep new 2025 capex														144 963	144 963
Dep new 2025 capex															139 932
Total new						85 921	214 413	344 650	464 577	596 352	741 502	888 821	1 036 173	1 181 135	1 321 067
New+Old						778 853	883 785	991 264	1 089 205	1 199 744	1 324 378	1 451 879	1 580 087	1 706 556	1 828 624
Ratios check	2016	2017 2	018 20	)19 20	)20 2	2021 2	022 2	2023 2	2024 2	2025 2	2026 2	2027 2	2028 2	029 20	030
Capex/dep	4,43	4,22	5,82	5,47	3,24	4,85	4,33	3,56	3,56	3,56	3,27	2,99	2,70	2,41	2,13
Dep as % of BOP	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Remaining useful life	23,89	23,69	22,82	22,35	23,96	26,17	26,46	26,56	26,50	26,38	26,22	25,99	25,70	25,37	24,99
Total useful life	30,04	29,70	30,90	30,29	30,40										
Average age	3,05	3,44	3,58	3,91	3,67										
Capex % of Sales	164%	151%	223%	229%	125%	187%	160%	127%	124%	121%	111%	101%	91%	82%	72%
Fleet growth		10%	18%	19%	9%	9%	15%	13%	13%	12%	11%	10%	9%	8%	7%
Dep growth		12%	14%	21%	11%	0%	13%	12%	13%	12%	11%	10%	9%	8%	7%
Capex growth		17%	24%	25%	14%	17%	15%	14%	13%	12%	11%	10%	9%	8%	7%
Cananalamaina analusia	2046	2047	040	240	220	0024	022	0000	2024	2025	0000	2027	0000	000	220
Capex planning analysis											2026 2	2027 2	2028 2	029 20	030
Planned Capex at t-1	2 595 741	2 893 335	4 029 636	6 128 796	3 883 733	5 203 345	5 274 025	4 856 491	4 624 159	1 973 066					
Actual deviation from planned Capex	-23%	-26%	-16%	-37%	-35%	-27%	-27%	-27%							
Revenue forecast	2016	2017 20	018 20	)19 20	)20 2	2021 2	022 2	2023 2	2024 2	2025 2	2026 2	2027 2	2028 2	029 20	030
Revenue	1 419 055	1 516 380	1 679 702	2 016 904	2 015 439	2 020 351	2 391 613	2 776 174	3 134 737	3 537 321	3 920 470	4 303 773	4 679 443	5 038 673	5 371 846
% NBV	13,12%	12,59%	12,65%	12,84%	10,78%	9,91%	10,23%	10,54%	10,86%	11,18%	3 920 470	4 303 773	4 679 443 12%	12%	11,75%
/O IND V	13,12%	12,09%	12,03%	12,04%	10,78%	9,91%	10,23%	10,34%	10,00%	11,18%	11%	11%	12%	12%	11,75%

### **Disclaimer**









This document is being made available by WUTIS Trading and Investment Society, acting through its society ("WUTIS"), for information purposes only and for the sole and exclusive use of the addressee in connection with the matter or possible transaction to which this document relates. This document is incomplete without reference to, and should be assessed solely in conjunction with, the oral briefing provided by WUTIS.

This document is strictly confidential and remains the property of WUTIS. You agree that you shall only use this document for the purpose of evaluating and considering the matter or possible transaction to which this document relates. This document may not be distributed, published, reproduced, or disclosed, in whole or in part, to any other person, nor relied upon by you or any other person, nor used for any other purpose at any time, in each case without the prior written consent of WUTIS.

This document does not constitute nor does it form part of an offer to sell or purchase, or the solicitation of an offer to sell or purchase, any securities or any of the businesses or assets described herein or an offer or recommendation to enter into any transaction described herein nor does this document constitute an offer or commitment to provide, arrange or underwrite any financing. You are responsible for making your own independent investigation and appraisal of the risks, benefits, appropriateness and suitability of any transaction or matter contemplated by this document and WUTIS is not making any recommendation (personal or otherwise) or giving any investment advice and will have no liability with respect thereto. The decision to proceed with any transaction or action contemplated by this document must be made by you in the light of your own commercial assessments and WUTIS will not be responsible for such assessments.

Neither WUTIS nor any of its subsidiaries or affiliates, nor any of their respective officers, directors, employees or agents (WUTIS together with such persons being the "WUTIS Group") accepts any liability whatsoever for any direct, indirect or consequential losses (in contract, tort or otherwise) arising from the use of this document or its contents or any reliance on the information contained herein. WUTIS Group is not responsible for any specialist advice, including legal, regulatory, accounting, model accounting, tax, actuarial or other advice.

This document was prepared on the basis of information and data, obtained from publicly available sources and, where applicable, from you and/or any other entity that may be involved in any transaction or matter contemplated by this document (and/or any of your or the aforementioned entities' affiliates), in each case prior to or on the date hereof. The information in this document has not been independently verified by WUTIS. WUTIS has relied on any information provided by you or from third party or public sources as complete, true, fair, accurate and not misleading. With respect to any financial or operating forecasts and analyses provided to it, WUTIS has assumed that they are achievable and have been reasonably and properly prepared on bases reflecting the best currently available information, estimates and judgments as to the future financial performance of the entity(ies) to which they relate and that such forecasts or analyses would be realised in the amounts and time periods contemplated thereby. No member of the WUTIS Group, makes any warranty or representation, express or implied, as to the accuracy, completeness or reasonableness of the information (including projections and assumptions) contained in this document whether obtained from or based upon third party or public sources or otherwise.

This document is given as at the date hereof, may not be final, is based on information available to WUTIS as at the date hereof, is subject to any assumptions set out therein and is subject to change without notice. Accordingly, this document may be based on (a) data and information that may no longer be current and (b) estimates that may involve highly subjective assessments. It should be understood that subsequent developments may affect this document and the WUTIS Group does not undertake any obligation to provide any additional information or to update any of the information or the conclusions contained herein or to correct any inaccuracies which may become apparent. Any data or information regarding, or based on, past performance is no indication of future performance.

Members of the WUTIS Group are involved in a wide range of commercial banking, investment banking and other activities out of which conflicting interests or duties may arise. In the ordinary course of its business, the WUTIS Group may provide services to any other entity or person whether or not a member of the same group as you (a "Third Party"), engage in any transaction (whether on its own account, on behalf of any Third Party or otherwise, and including any transaction or matter contemplated by this document), notwithstanding that such services, transactions or actions may be adverse to you or any member of your group, and the WUTIS Group may retain for its own benefit any related remuneration or profit. The WUTIS Group operates in accordance with a conflicts of interest policy which identifies conflicts of interest it faces in the ordinary course of its business, and establishes organisational and procedural measures to manage those conflicts where it is reasonably able to do so. Neither WUTIS nor any other part of the WUTIS Group shall have any duty to disclose to you or utilise for your benefit any non-public information acquired in the course of providing services to any other person, engaging in any transaction (on its own account or otherwise) or otherwise carrying on its business.

WUTIS' research analysts and research departments are independent and are subject to certain regulations and internal policies. WUTIS research analysts may hold opinions and make statements or investment recommendations and/or publish research reports with respect to any company referred to herein, the transactions contemplated herein or any person or entity involved therein or related thereto that differ from or are inconsistent with the views or advice communicated by WUTIS.