# Visual Fact Book 2018



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### Visual Fact Book 2018



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Map of Frankfurt Airport

# 1 Company Snapshot

3 (Fraport

# Group Overview **At a Glance**





#### **Attractive Business Model**

- Infrastructure provider for globally growing aviation market
- Regulated prices in monopoly business areas
- Successful development of non-aviation areas
- Steady financial growth over past years
- Clear stakeholder commitment and dividend policy

#### **Global Airport Operator**

- Founded: 1924
- Origin: Frankfurt Airport
- 95 yrs of airport know how
- IPO: 2001
- Today: active at 30 airports in 11 countries
- c.22,000 employees
- 300+mil. passengers handled



# At a Glance



Revenue FY 18:	EBITDA FY 18:	Group Result FY 18:
EUR 3.48bn	EUR 1.129bn	EUR 506mn
+18.5%	+12.5%	+40.6%
Excl. IFRIC 12:	Excl. Hanover proceeds:	Excl. Hanover proceeds:
EUR 3.12bn	EUR 1.104bn	EUR 430mn
+7.8%	+10.0%	+ 19.5%
EPS FY 18:	DPS FY 18:	Net Debt YE 18:
EUR 5.13	EUR 2.00	EUR 3.55bn
+43.7%	+33.3%	+0.9%

# **Detailed Group Financials**





- 2006: €+18.0 mil. Manila payment in financial result & €+35.2 mil. in taxes 2007: €-20 mil. FraSec impairment. Deferred tax effect €+25.4 mil.
- 2008: Sale of ICTS in April. revenue €-245 mil. & €-67 mil. in 2009. EBITDA effect €-6.5 mil. in addition: €-22.9 mil. Hahn airport impairment, with €-11.8 mil. tax effect. Financial result positively impacted €+41.9 mil. due to MNL payment
- 2009: Sale of Hahn airport, revenue effect €-39 mil., and marginal EBITDA effect, in addition: €-20 mil. Ground Handling impairment, positive tax effect €+20.5 mil.

- 2010: Release of €c.80 mil. tax provision
- 2012: Extraordinary profit in Financial Result from Asset Management
- 2013: IFRS11 "Joint arrangements" applied
- 2014: Fraport USA & Ljubljana included
- 2015: €c.8mil. Air IT Inc. disposal book gain
- 2016: €c.40 mil. EBITDA impact from 10.5% St. Petersburg disposal, with €35.9 mil. Group result impact, in addition: €198.8 mil. EBITDA impact from MNL compensation, with €121.4 mil. Group result impact, €-37.7 mil. EBITDA impact from staff restructuring provision, €-22.4 mil. FraSec impairment & €-7.4 mil. write-down on Fraport USA
- 2018: Hanover airport disposal: €25 mil. EBITDA, €83.6 mil. EBT, and €75.9 mil. Group result impact

**Company Snapshot** 

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# History

1924	Foundation, Operation at Rebstock site in Frankfurt/Main, Germany, co. name "Südwestdeutsche Luftverkehrs AG"
1936	Start of operations at today's airport site in Frankfurt: "FRA"
1939/45	World War II: Construction of first Runway
1945	End of WW II: 77% of FRA destroyed, US took over airport control
1949	2 <sup>nd</sup> FRA Runway "South" constructed during Berlin airlift
1954/55	Resumption of civil aviation businesses by "Flughafen Frankfurt/Main AG"
1972	Inauguration of FRA Terminal 1
1984	3 <sup>rd</sup> FRA Runway "West" goes into service
1994	Inauguration of FRA Terminal 2



1997 Start of international expansion 2001 IPO: new co. name "Fraport AG" 4<sup>th</sup> FRA Runway "Northwest" goes into service 2011 2014 Accelerated international growth: addition of Ljubljana, Fraport USA and awarding of Greek concessions FRA Retail JV with Gebr. Heinemann founded Take over of concessions to operate 14 Greek airports Take over of concessions to operate 2 Brazilian airports and JFK T5 retail concession, Hanover divestment Take over of Nashville retail concession, FRA Terminal 3







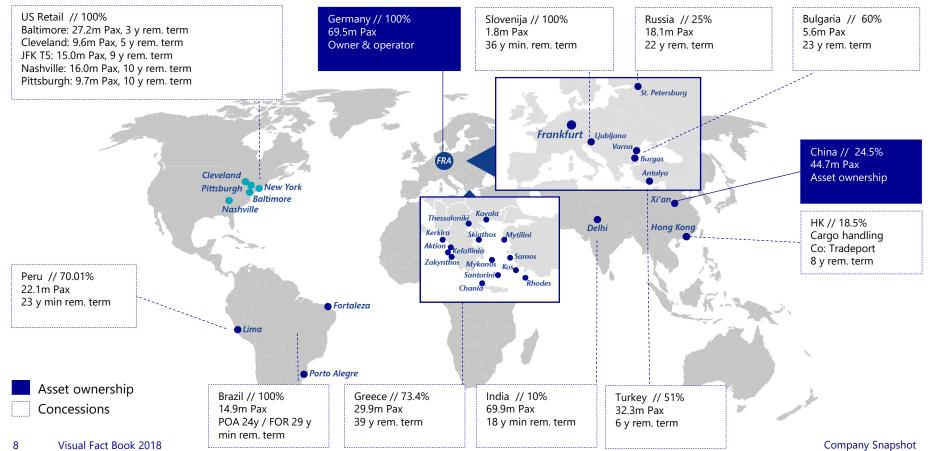


**Company Snapshot** 



# Fraport Portfolio





## **Business Structure**

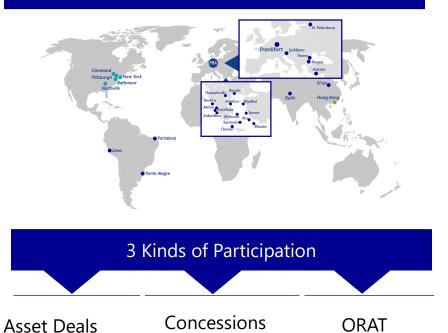


#### Frankfurt Based





#### International Activities



Performance of Frankfurt Know how

### **Executive Board**



Dr. Stefan Schulte



International Activities FRA Airport Expansion Corp. Strategy & PR

07 – 09: Fraport COO 03 – 07: Fraport CFO 01 – 03: Deutz CFO 96 – 00: Infostrada mgmt, CFO Else: A.o. Director at Mannesmann



Anke Giesen



FRA Retail & Real Estate FRA IT Corp. Compliance

09 – 12: Douglas CHRO 04 – 09: Pfleiderer CHRO 01 – 04: Pfleiderer mgmt. Else: A.o. Mgmt positions at Mannesmann



Dr. Pierre Dominique Prümm



FRA Aviation FRA Infrastructure Mgmt

12 – 18: Fraport EVP Aviation 09 – 12: Fraport SVP Corp. Development Else: A.o. Mgmt positions at Hanover Airport and Amadeus Germany



Michael Müller



FRA Ground Handling FRA HR & Procurement Corp. Auditing

09 – 12: Fraport EVP Ground Handling 97 – 09: Fraport SVP HR Else: A.o. Mgmt positions at Fraport HR department





Dr. Matthias Zieschang



Corp. Finance, Controlling & Accounting FRA Procurement & Facility Mgmt

01 – 07: DB Netz CFO 99 – 01: Scandlines CFO 97 – 99: DB Head of Financial Strategy Else: A.o. Specialist financing BASF

#### **Company Snapshot**

Group Overview
Group Chart

Fraport

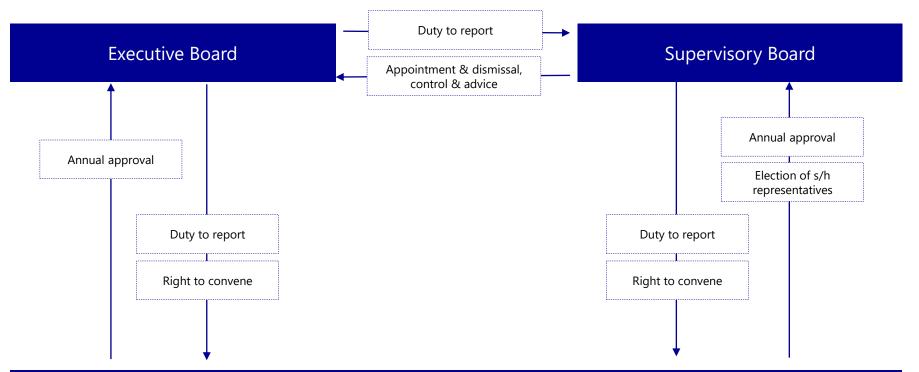
S Fr	aport		Revenue EBITDA EBIT	8,478 mil. ,129 mil. 731 mil.	Group re EPS Employe	€ 5	.13
Aviation		Retail & Real Estate		 Ground Handling		International Activities & Services	
Management, 0	nd Terminal Corporate Safety ecurity	Retaili Parking, Lea Marketing of	ising and	Central Infrast Ramp, Pass Baggage and Service	enger, I Cargo	Global Investments Manageme & FRA service units, such as, I Facility & Corporate Infrastructu Management	
Revenue EBITDA EBIT Employees <sup>2</sup>	€ 1,006 mil. € 278 mil. € 138 mil. 6,195	Revenue EBITDA EBIT Employees <sup>2</sup>	€ 507 mil. € 390 mil. € 302 mil. 646	 Revenue EBITDA EBIT Employees <sup>2</sup>	€ 674 mil. € 44 mil. € 1 mil. 9,073	Revenue EBITDA EBIT Employees <sup>2</sup>	€ 1,291 mil. € 417 mil. € 290 mil. 6,047

<sup>1</sup> Group result before minorities

<sup>2</sup> Annual Average

# Governance Structure: 2-Tier Board System







#### Highlights Majority Holdings

- Sharp Traffic Growth across Portfolio
- Takeover of Fortaleza & Porto Alegre Airport Concessions
- Capex Program in Greece progressing
- Addendum to Lima Concession Contract signed
- Takeover of JFK T5 Master Retail Concession & new Nashville Contract
- Operational & Retail Headwind in Frankfurt
- Building Permit for Frankfurt Pier G received

#### Highlights At Equity Holdings

- Strong Traffic Results also in at equity consolidated Airports
- New Partner & outstanding Passenger Development in Antalya, cleary topping 30mn Passengers
- Hanover Disposal crystalizing Value of Minority Shareholding

### Detailed Traffic Performances



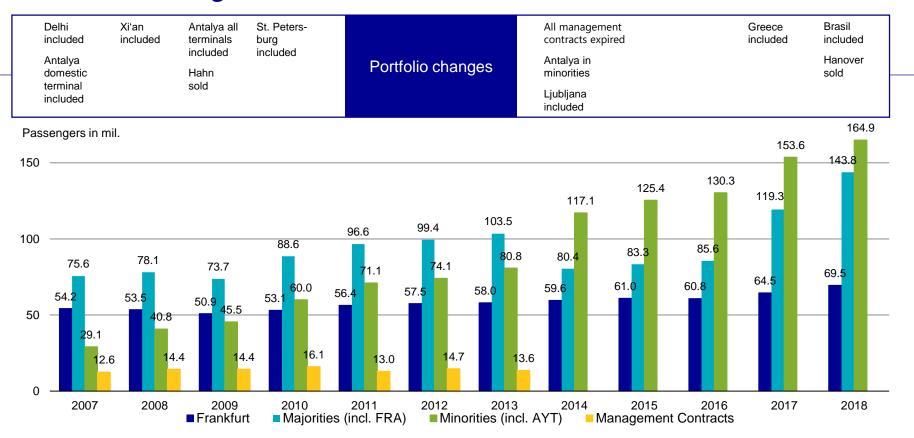
Site	% share	Passengers		– Cargo		Movements		
		2018	%	2018	%	2018	%	
Frankfurt	100	69,510,269	7.8	2,176,387	-0.8	512,115	7.7	
Fraport Brasil	100	14,915,399	7.0	85,973	45.3	139,262	5.7	
// Fortaleza		6,614,227	11.5	46,016	21.6	58,278	11.5	
// Porto Alegre	100	8,301,172	3.6	39,957	87.3	80,984	1.9	
Ljubljana	100	1,812,411	7.7	12,378	0.4	35,512	3.0	
Fraport Greece	73.4	29,877,203	8.9	8,168	24.3	244,250	8.1	
// Kerkyra (Corfu)	73.4	3,364,115	15.3	183	> 100.0	26,303	17.0	
// Chania (Crete)	73.4	3,008,687	-1.1	453	1.3	19,604	0.5	
// Kefalonia	73.4	761,647	21.0	1	-63.4	7,167	21.5	
// Kavala	73.4	406,949	20.4	95	-9.8	4,151	8.3	
// Aktion/Preveza	73.4	583,666	2.6	0	n.a.	5,394	1.9	
// Thessaloniki	73.4	6,689,193	7.1	5,439	22.0	55,307	3.1	
// Zakynthos	73.4	1,800,457	8.5	7	> 100.0	13,170	6.4	
// Mykonos	73.4	1,395,787	15.6	93	> 100.0	17,267	9.1	
// Skiathos	73.4	437,916	3.3	0	n.a.	4,171	-2.2	
// Santorini (Thira)	73.4	2,254,926	16.8	179	> 100.0	20,360	19.5	
// Kos	73.4	2,666,307	14.9	291	73.0	20,327	17.3	
// Mytilene (Lesvos)	73.4	477,056	9.4	384	-1.6	6,157	9.6	
// Rhodes	73.4	5,567,748	5.0	774	24.7	38,669	4.3	
// Samos	73.4	462,749	12.8	268	-10.5	6,203	9.4	
Lima	70.01	22,118,454	7.3	285,637	0.7	192,694	3.1	
Fraport Twin Star	60	5,558,363	12.2	8,565	-41.0	41,060	9.7	
// Burgas		3,277,229	9.9	8,429	-41.1	23,284	8.5	
// Varna	60	2,281,134	15.8	136	-40.6	17,776	11.4	
Antalya	51/50	32,268,535	22.5	n.a.	n.a.	188,569	20.2	
St. Petersburg	25	18,122,286	12.4	n.a.	n.a.	165,418	8.6	
Xi'an	24.5	44,653,433	6.7	312,555	20.3	329,783	3.6	
Delhi	10	69,866,994	10.1	1,030,986	6.6	480,707	7.3	

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**Company Snapshot** 

### Historic Passenger Numbers





# Group Strategy **Our Mission**





#### Group Strategy

### Business Case Built on Mega Trends





Forecast for the long-term development of global air traffic underline growth expectation

Source	Period	Reference	CAGR
Airbus	until 2037	Revenue passenger kilometers	+4.4%
Boeing	until 2037	Revenue passenger kilometers	+4.7%
Embraer	until 2037	Revenue passenger kilometers	+4.5%
ACI	until 2040	Number of passengers	+4.0%

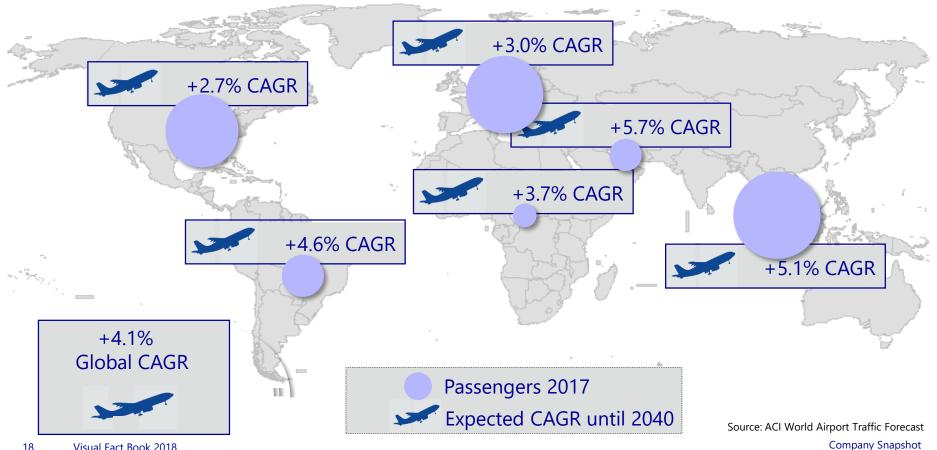
Sources, a.o., Oxford Economics, Airbus, Boeing, Embraer, ACI

Company Snapshot

#### Group Strategy

# Regional Growth Projections 2018-40





Group Strategy

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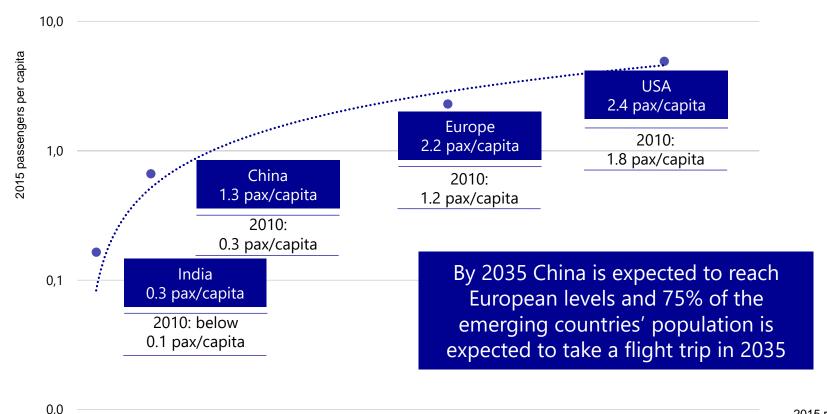


# Strongest Growth Expected in Emerging Markets

20.000

10.000

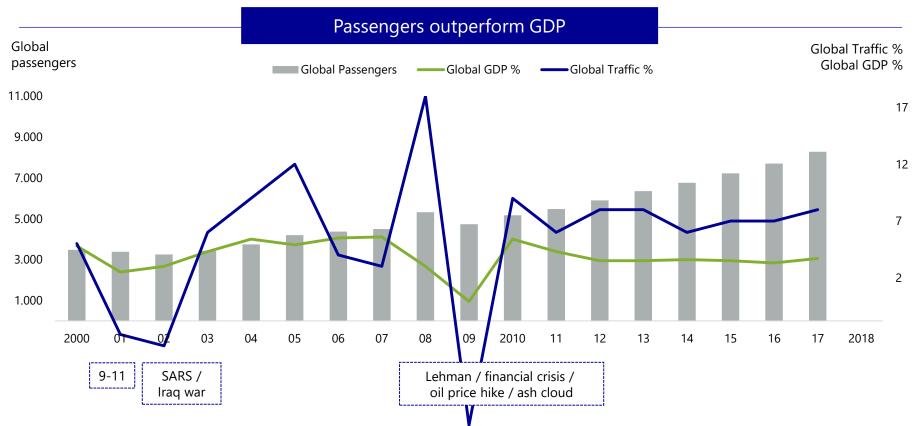
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30.00040.00050.00060.000per capita in US\$Source: Airbus Global Market Forecast 2015-2034Company Snapshot

Historic Traffic Figures / GDP Correlation





Group Strategy

# *2 Features of Frankfurt Airport*

- A Const

# Key Facts



## 69.5mn Pax

#1 in Germany #4 in Europe

# 2.1mn m.t. Cargo

#1 in Germany#1 in Europe

### c.40mn People

#1 Catchment area in Europe (within 200km)

# 2/3 of blue chips

#1 Catchment area in Germany (within 200km)

#### **c.75% Share** #1 Star Alliance Hub in Europe

#### **c.60% Share** #1 Hub of Top ranked EU Carrier Lufthansa

# 4 Runways

20+% Capacity reserve still available

## 3 Terminals

30+% Capacity to be made available by 2023

**Economic Center** 

Germany is #1 Economy in EU

# **Banking Center**

Frankfurt is #1 Center with top connectivity

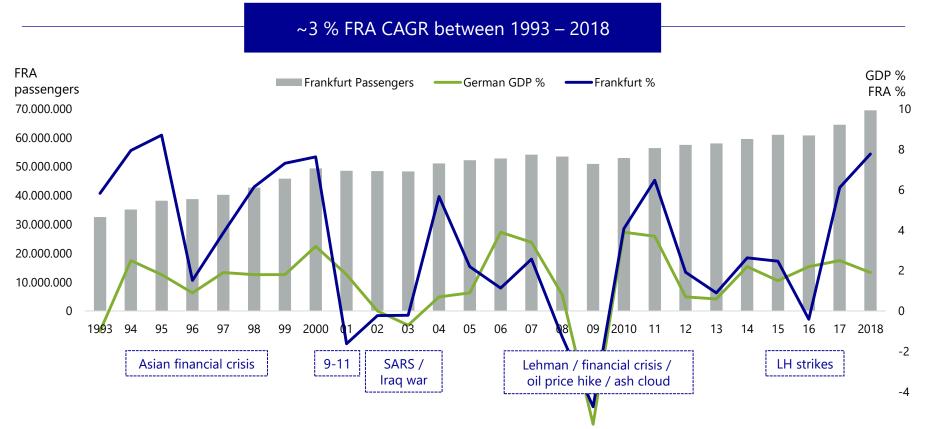
# **No Concession**

Frankfurt Airport is owned by Fraport **Dual Till** 

Frankfurt Airport is dual till regulated Infrastructure

### Passenger Development Since 1993





Features of Frankfurt Airport

### Strong Recent Passenger Momentum





#### **Drivers**

- Recovery of Far East and North African markets
- Increase in aircraft seat capacities
- New low cost operations

#### leading to

- Increase in seat load factors
- Strong Winter and Summer Flight Plans 2017/18/19

#### Outlook 2019

Normalization due to no incremental movements offered to the market

### **Biggest Passenger Airports**



#### FRA ranks #14 worldwide I #4 in Europe

Rank	City	Airport	Pass.(m)	% change	Rank	City	Airport	Pass.(m)	% change
1	Atlanta	ATL	107.4	+ 3.3	11	Amsterdam	AMS	71.5	+ 3.7
2	Beijing	PEK	101.0	+ 5.4	12	New Delhi	Del	69.9	+ 10.2
3	Dubai	DXB	89.1	+ 1.0	13	Guangzhou	CAN	69.8	+ 6.0
4	Los Angeles	LAX	87.5	+ 3.5	14	Frankfurt	FRA	69.5	+ 7.8
5	Tokyo	HND	87.1	+ 2.0	15	Dallas	DFW	69.1	+ 3.0
6	Chicago	ORD	83.3	+ 4.4	16	Incheon	ICN	68.4	+ 10.0
7	London	LHR	80.1	+ 2.7	17	Istanbul	IST	68.2	+ 6.4
8	Hong Kong	HKG	74.5	+ 2.6	18	Jakarta	CGK	66.9	+ 6.2
9	Shanghai	PVG	74.0	+ 5.7	19	Singapore	SIN	65.6	+ 5.5
10	Paris	CDG	72.2	+ 4.0	20	Denver	DEN	64.5	+ 5.1

Passengers are counted enplaning and deplaning Source: Preliminary world airport traffic ranking, ACI 2018

Features of Frankfurt Airport

# **Biggest Cargo Airports**



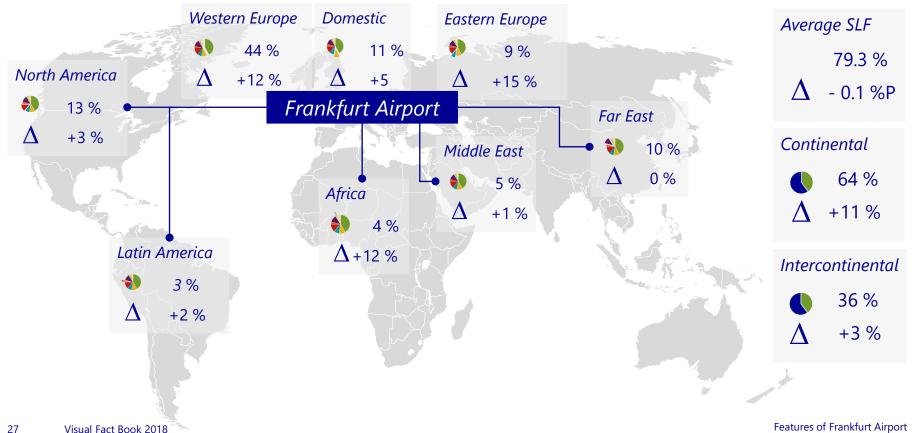
#### FRA ranks #13 worldwide I #1 in Europe

Rank	City	Airport	Cargo (m.t.)	% change	Rank	City	Airport	Cargo (m.t.)	% change
1	Hong Kong	HKG	5.1	+ 1.4	11	Doha	DOH	2.2	+ 8.8
2	Memphis	MEM	4.5	+ 3.1	12	Singapore	SIN	2.2	+ 1.4
3	Shanghai	PVG	3.8	- 1.5	13	Frankfurt	FRA	2.2	- 0.8
4	Incheon	ICN	3.0	+ 1.0	14	Paris	CDG	2.2	- 1.8
5	Anchorage*	ANC	2.8	+ 3.5	15	Miami	MIA	2.1	+ 2.8
6	Dubai	DXB	2.6	- 0.5	16	Beijing	PEK	2.1	+ 2.2
7	Louisville	SDF	2.6	+ 0.8	17	Guangzhou	CAN	1.9	+ 5.0
8	Taipei	TPE	2.3	+ 2.4	18	Chicago	ORD	1.9	+ 3.6
9	Tokyo	NRT	2.3	- 3.2	19	London	LHR	1.8	- 1.3
10	Los Angeles	LAX	2.2	+ 2.4	20	Amsterdam	AMS	1.7	- 2.7

\* Includes transit freight Source: Preliminary world airport traffic ranking, ACI 2018 Features of Frankfurt Airport

### Market Position FY 2018 Traffic Split





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# Departing Passengers by Country





Features of Frankfurt Airport

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# Increasing Infrastructure Utilization



Passengers 90% 145 145 145 77% 141 79 77% 79% -<mark>78%</mark>140 77% 80% 76% 76% 76% 75% 74% 74% 73% 72% 71% 136 70% 70% 69% 68% 70% 135 132 128 60% 124 123 125 50% 119 119 118 118 117 117 117 116 115 15 115 40% 30% 27% 26% 25% 25% 26% 25% 25% 105 24% 24% 24% 24% 24% 23% 23% 23% 22% 22% 22% 21 % 20% 95 10% 0% 85 2000 2001 2002 2003 2004 2005 2006 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2007 <sup>1</sup> Excluding Cargo Seat load factor Widebody share Passenger per Passenger movement

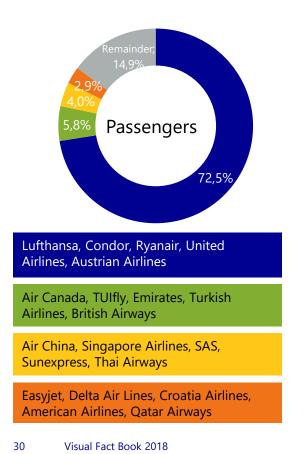
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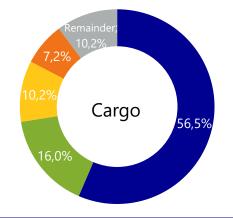
Passenger per Passenger movement

Features of Frankfurt Airport

# Traffic Shares by Airlines





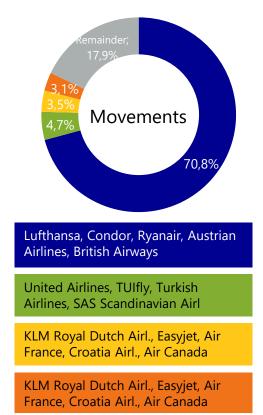


Lufthansa, Air Bridge Cargo, China Southern Airlines, Air China, Aerologic

Emirates, Qatar Airways, CargoLogicAir, Korean Air, Asiana Airlines

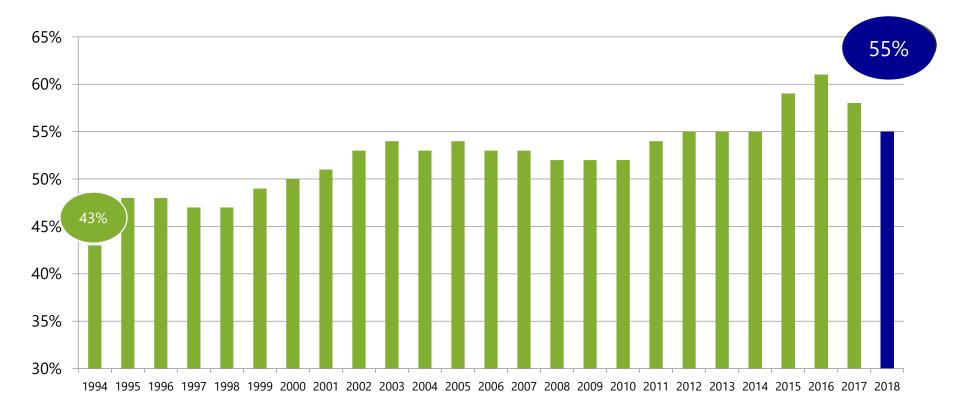
Cathay Pacific Airways, United, Turkish Airlines, EAT Europ. Air Transport, ANA

Air Canada, Etihad Airways, Saudia, Fedex Express, Singapore Airlines

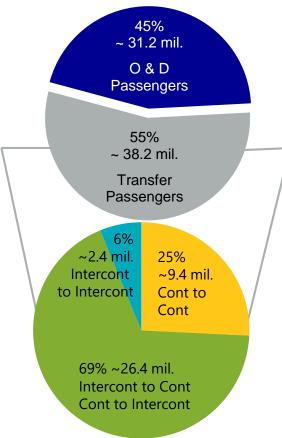


# Highest Transfer Share in Central Europe





# Split of Transfer Traffic





- FRA total passengers excl. transit: 69.4 million
- With 55% Frankfurt has the highest rate and highest total number of transferring passengers in Central Europe
- More than 70% of all transferring passengers come from or go to an intercontinental destination, 69% are intercont-cont passengers and 6% intercont-intercont
- Intercont traffic has direct impact on charges (higher MTOW) and retail revenue (better spending behaviour)

# Competitive Landscape

Competition for O&D passengers

Competition depending on

availability of route, flight time,

or alternative way of travel, i.e.,

airport, preference of airline, and/

ticket price, travel distance to





#### Competition for transfer passengers

Except for alternative way of travel, competition same as in O&D market but also: availability of transfer flight to final destination or destination nearby, total flight duration: fitting time of connecting flight and direct flight path vs. diversion, density of network: number of frequencies to origin and destination, quality of airport: transfer process for passenger and baggage as well as comfort level

train, bus, or car

### *Competitive Landscape – Europe*

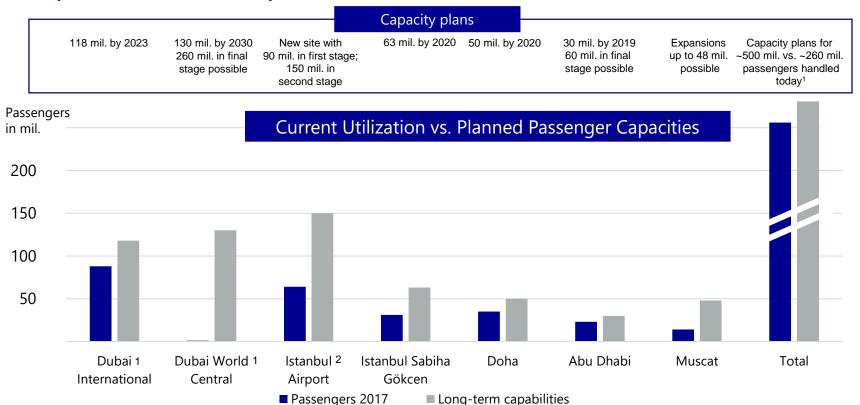


Airport	Existing runways		ways Slot capacity		Planned runways	Target Capacity
London-Heathrow	2	not independently usable	90 mov/h	1		n.a.
Paris-Ch.d.Gaulle	4	independently usable	118 mov/h	0		120 mov/h
Frankfurt	4	not independently usable	104 mov/h	0		126 mov/h
Amsterdam	6	independently usable	110 mov/h	0		120 mov/h
Madrid	4	independently usable	98 mov/h	0		120 mov/h
Munich	2	independently usable	90 mov/h	0		n.a.
Barcelona	3	n.a.	n.a.	0		n.a.
Zurich	3	not independently usable	66 mov/h	0	optimization of existing runways	70 mov/h
Vienna	2	not independently usable	68-72 mov/h <sup>1</sup>	1	approval of construction not granted yet	95 mov/h
Brussels	3	independently usable	74 mov/h	0	optimization of existing runways	93 mov/h

Features of Frankfurt Airport

### *Competitive Landscape – Middle East*

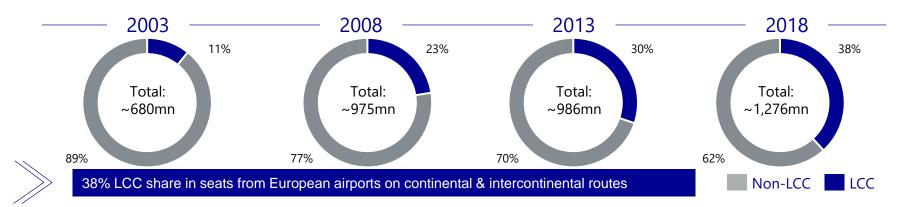




<sup>1</sup> Dubai counted once <sup>2</sup> Replacing Istanbul Ataturk Airport; Passengers based on Ataturk results Sources: airport-information.com, operators' press releases Features of Frankfurt Airport



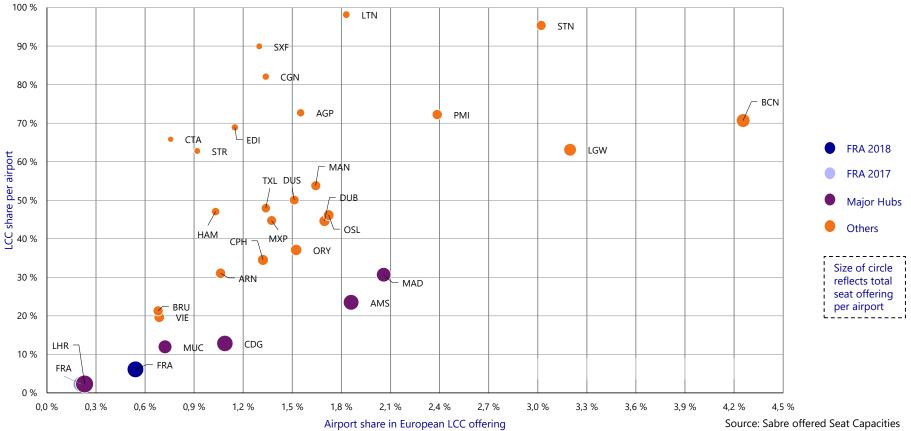
### Growing European Low Cost Share







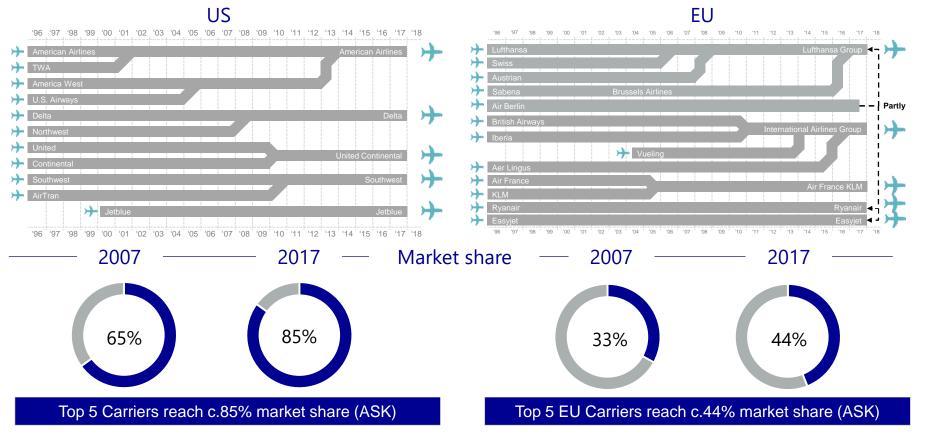
## Low Cost Market Share at Major European Airports



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## US and European Airline Market Consolidation





### FRA Market Attractiveness



Biggest passenger airport in Germany

### Leading cargo hub in Europe

## Europe's largest catchment area

#### Frankfurt Airport – Top of the hubs



- 69.5 mil. Passengers
- Around 100 airlines fly about 300 destinations in c.100 countries<sup>1</sup>
- Star Alliance accounts for approximately 75% of passengers at FRA



- 2.2 mil. metric tons of freight and mail in 2018
- 26 cargo airlines flying to 94 destinations in 51 countries<sup>2</sup>
- 37% of freight volume is transported in bellies of passengers aircraft
- Leading cargo hub enhances airline yields via belly freight



- 38 mil. people or c.47% of the German population live within 200km radius from FRA
- More than 170 ICE and long-distance trains and 266 regional trains per day<sup>3</sup>
- 4 mil. passengers use long-distance trains to/ from FRA = ~13 % of originating pax<sup>4</sup>

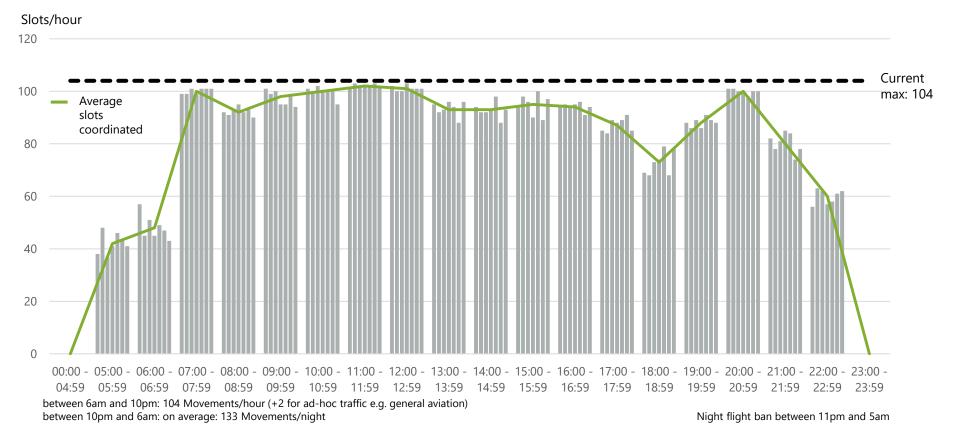


- High connectivity with about 300 destinations
- Competitive level of charges compared to other European hubs
- Superior ground handling quality
- Capacity increase of more than 50 % due to fourth runway offers growth potential

<sup>1</sup>Summer flight schedule 2018 <sup>2</sup>Actual figures 2018 <sup>3</sup>Schedule December 2018 <sup>4</sup>2018 internal data

### Slot Utilization (2018 Summer Schedule)





## 2/3 of German Blue Chips Within 2h Radius

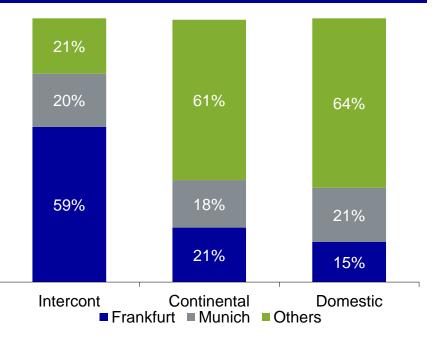




### **Biggest German Intercont Airport**



### Passenger Share of German Airports 2017



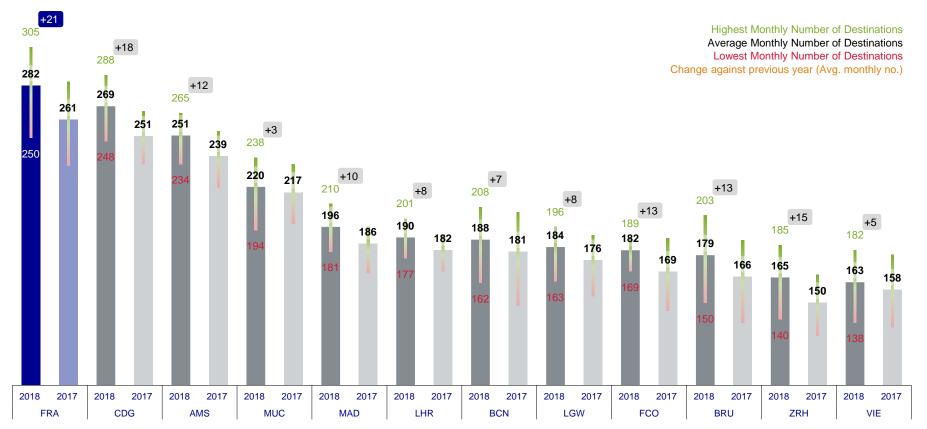
- FRA is leading airport in European catchment area and intermodality
- FRA is #1 airport in Germany, #4 in Europe & #14 worldwide
- FRA is the intercontinental airport in Germany and the main Star Alliance hub in Central Europe
- Wide body share:<sup>1</sup>

//	Frankfurt:	21%
	Munich:	9%
	Others:	3%

Source: Statistisches Bundesamt (Federal Statistical Office), only commercial traffic & Sabre <sup>1</sup> Wide body share differs from other data due to various calculation bases

### Connectivity as Competitive Edge



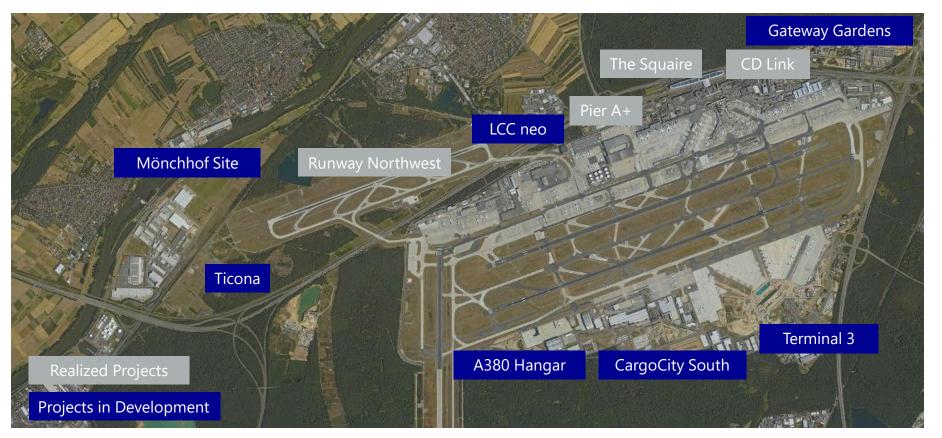


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Nonstop only, source: Sabre MI

### Investments to Secure Competitive Position





### **Realized Projects**







**Northwest Runway 2011** 



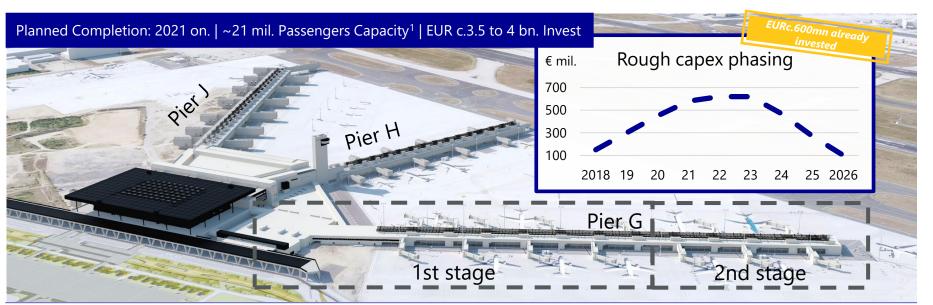




Pier A-Plus 2012

### Terminal 3: Piers G, H & J





#### Terminal 3: Main Hall and Piers H & J

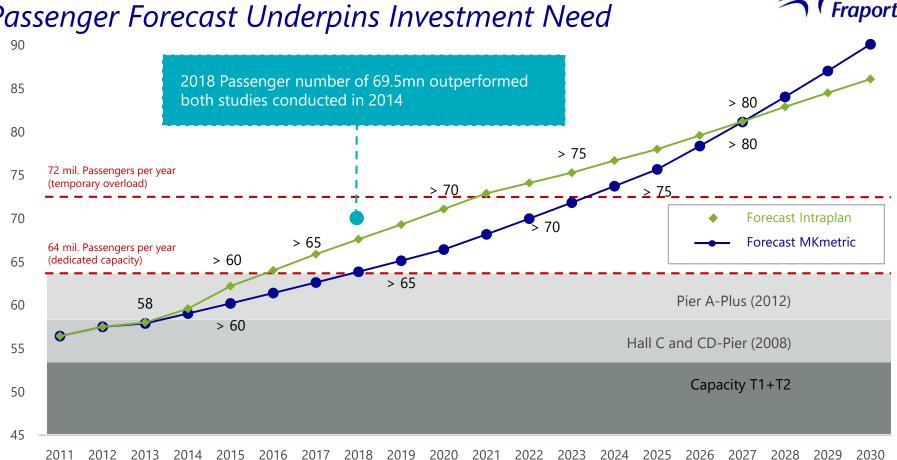
- Planned completion: 2023
- Passenger capacity: ~14 mil. p. a.
- Parking positions: 24
- 400m Pier H for Schengen operation
- 600m Pier J for Non-Schengen operation
- Capex: ~€3 bn. + landside infrastructure

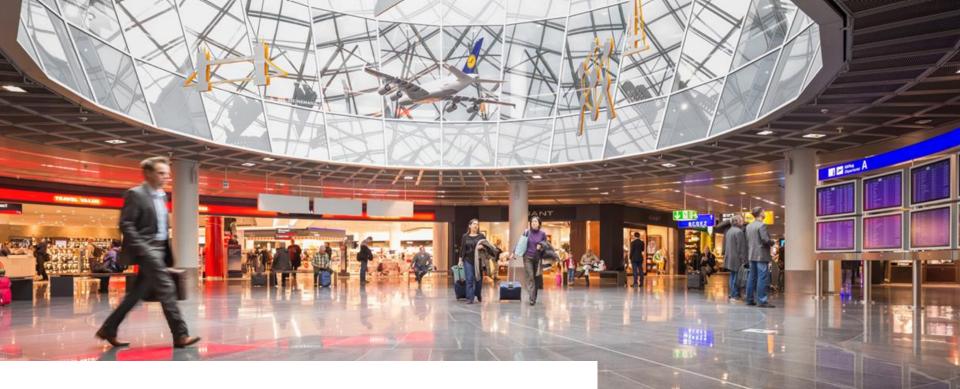
#### Terminal 3 Pier G: 1st stage

- Planned completion: 2021
- Passenger capacity: ~4 to 5 mil. p. a.
- Parking positions: 9
- Flexible Schengen/Non-Schengen operations due to swing gates
- Capex: about €200 mil. + subsequent stages

Passengers per year in mil.

## Passenger Forecast Underpins Investment Need





ABSILV

### Frankfurt Business Segments

### **Overview and Services**



Aviation		Retail & Real Estate	Ground Handling	Affiliated Services Part of International Activities Segment	
Airside Management	Airport & Aviation Security	Retail	Central Infrastructure	Facility Management	
-Airside Infrastructure		-Shopping	-Baggage Conveyor Belts		
-Airside Operations		-Services	-Passenger Bridges	Information and Telecommunications	
		-Advertising	-Sanitary Services		
Terminal Management			-De-Icing Facilities	Corp. Infrastructure Mgmt.	
-Landside Operations		Real Estate	-PRM		
-Capacity Management		-Rents in Terminals	Ramp & Passenger Serv.	Airport Expansion South	
Corp. Safety and Security	i	-Service / Admin. Bldgs.	-Loading & Unloading		
-Airport Fire Safety		Car Parking	-Walk-out Assistance		
-Emergency Response		J	-Check-in & Boarding		
Environmental Impact,			-Lost & Found		
Noise and Air Quality			-Weight & Balances		
			Cargo Services (49% JV)		
Regulated Business		No part of Airport Regula	ation	Exemplary servi	
				Frankfurt Business Seams	

### **Regulation Framework**

- The airport operator is subject to a regulation regarding the charges for the usage of facilities and services connected with the lighting, taking off, landing, and parking of an aircraft as well as the handling of passengers and freight ... Approval shall be granted if the charges are regulated according to appropriate, objective, transparent, and non-discriminatory criteria. In particular, it shall be ensured that:
- 1. The services and infrastructure to be paid are clearly defined.
- 2. The calculation of the charges is cost-related and fixed in advance.
- 3. Access to the services and infrastructures of airport is granted to all users in the b. same way.
- Airport users are not charged differently for basic charges. A differentiation of charges ... is permissible; the criteria used must be appropriate, objective and transparent...
- (3) Without prejudice to (1), the following shall apply to the approval of the charge scheme...:
- 1. The operator shall submit a draft to the users 6 months before the intended entry into force...
- 2. The application shall be submitted to the regulating authority no later than 5 months before the intended entry into force...
- 3. Approval shall be granted if there is a reasonable relationship between the amount of the charges set by the airport operator and the amount of the expected actual costs, and the orientation towards an efficient provision of services is recognizable...



- 4. The decision of the regulating authority shall be taken within 2 months of receipt of the application...
- 5. At least once a year, the airport operator shall consult the airport users with regard to the charge scheme
- 6. The operator shall provide the airport users the following documents and information before the consultation:
- a. A list of the different services and infrastructures provided in return for the airport charges collected;
  - The method used to fix airport charges;
- c. The total cost structure of the facilities and services to which the airport charges relate. This should make it clear that the operator is oriented towards efficient service provision;
- d. Revenues of the various charges and the total cost of the services financed with it;
- e. ...
- f. The foreseeable development of charges and traffic at the airport as well as intended investments;
- g.

h.

The foreseeable outcome of planned major investments in terms of their impact on airport capacity. Only investments which serve the expansion of the airport are considered as investments. Pre-financing should only be taken into account if airport users benefit from improved or more cost-effective services...

### **Overview of Regulated Activities**



- Each time an aircraft arrives or departs

- Depending on maximum take-off mass of aircraft, noise category and time of arrival/departure as well as number of departing passengers and freight volume on take-off and landing
- Runway system, including navigational aids - Noise-measurement devices

#### Parking charges

Charges related to parking an aircraft at he airport In relation to size of parking position, parking time and location of the position (terminal or apron)

Aprons, parking positions for aircraft

ma mu Ana At



Type of charge

Charging method

Used resource

#### Noise abatement charges

Per departing passenger or per 100 kg of freight on landing and take-off
Depending on noise category of aircraft and time of arrival/departure

- Legal noise abatement measures in the vicinity of the airport

#### Security Charges

- Per departing passenger and per 100 kg of freight on landing or take-off

 Staff and goods control when entering the restricted area

#### Frankfurt Business Segments

#### Passenger Charges

Per departing passenger
 In relation to flight destination

Terminal facilities and equipment Transportation of passengers betweer erminals

### **Overview of Regulated Charges**



Passenger Charges Total 2018: EUR 533.7 mil.

- Passenger-related charges (only take-off)
- Depending on destination (EU, Non-EU continental, or intercontinental)
- Discount for transfer passengers
- Defined Cap

Landing and Take-off Charges Total 2018: EUR 179.9 mil.

- Mass-related charges based on MTOM
- Passenger (only take-off)/ freight/mail- related charges (variable charges)
- Noise-related charges
- Emission-related charges

#### Aircraft Parking Charges Total 2018: EUR 48.9 mil.

- All charges related to aircraft stand size and length of time parked
- Surcharges for use of terminal position
- Rental contracts can be signed under defined conditions

#### Security Charges Total 2018: EUR 47.7 mil.

- Passenger-related charges (only take-off)
- Charges related to freight or mail tonnage transported, per 100 kg or fraction thereof aboard the aircraft

#### Example charges for one A380 round trip: ~ € 11,700 total bill <sup>1</sup>



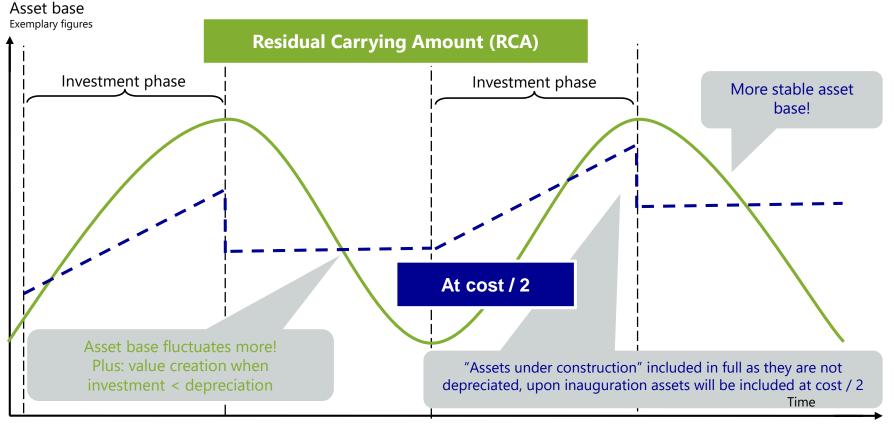
<sup>1</sup>Assumptions: Daytime flight, 440 Passengers, 50% Transfers



## Calculation of Allowed Returns in Regulated Business

Pre Tax Cost of Capital =	Invested capital	x	Pre Tax WACC
la Facel funt define d'en "Face est esc etc"	2018 WACC calcula	ation	
In Frankfurt defined as "Fraport assets" Fraport assets	Cost of ec	quity	Cost of debt
Goodwill + Other intangible assets @ cost / 2 + Investment in airport operating projects @ cost / 2 + Construction in progress and lands at cost	Total market yi Risk-free interest plus market risk pr	t rate 1.4%	Cost of debt before taxes 3.2%
<ul> <li>+ Other Property, plant, and equipment @ cost / 2</li> <li>+ Carrying amounts of the Group companies accounted for using the equity method and other investments</li> <li>+ Inventories</li> </ul>	Beta 0.8	Beta 0.85	
<ul> <li>+ Trade accounts receivable</li> <li>- Current trade accounts payable</li> </ul>	Cost of ec before taxes		Cost of debt before taxes 3.2 %
Propert assets to most extent included @ cost / 2, this allows for more stable asset base and prevents value creation solely through depreciation. See also next slide	Shareholders' equi market va		Debt ratio 48%: interest-bearing 36%/ non interest-bearing 12%
		2018 WACC before taxes 6.5 %	

## RAB: "At cost / 2" vs. "Residual Carrying Amount" Approach Trapor



## Price Calculation in Regulated Aviation Business



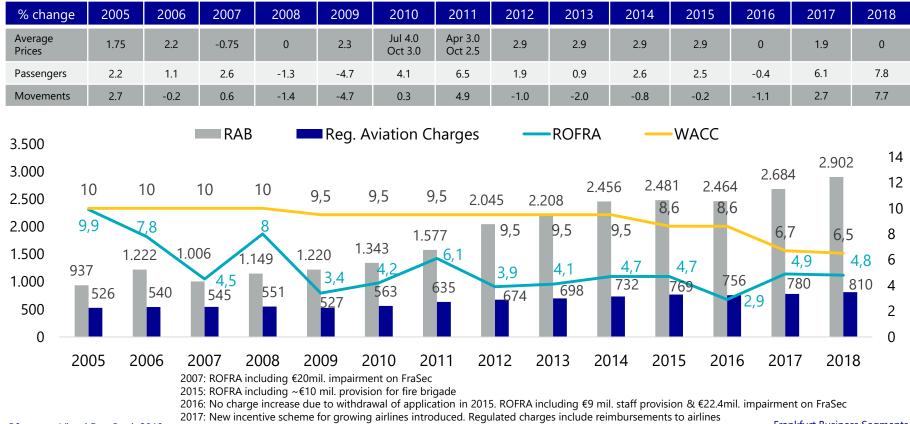
1 <sup>st</sup>	Projection of Capex and RAB for period in question
2 <sup>nd</sup>	Calculation of pre tax WACC
	=
	Projected pre tax Cost of Capital, i.e., allowed return or EBIT in regulated Aviation business
3rd	Projection of EBIT in regulated Aviation business for period in question,

including: volume projection for Frankfurt Airport & cost development

4a)	If projected EBIT falls below allowed return, price upward potential	
4b)	If projected EBIT exceeds allowed return, price downward potential	



## Historic Returns in Aviation Segment



56 Visual Fact Book 2018

2018: €21.8 mil. increased D&A due to changes in expected useful life times of individual assets

#### 57 Visual Fact Book 2018

### Frankfurt Business Segments

### Aviation

### Security Services

- Fraport offers full range of airport security services
- Operations carried out by Fraport and FraSec, wholly owned subsidiary of Fraport
- Passenger screening is de-regulated
- In Frankfurt: Fraport & FraSec are currently in charge of T1 Concourses A & C
- Frankfurt Terminal 1B & Terminal 2 are operated by competitor
- FraSec also offers security services at the airports of Stuttgart, Berlin and Cologne





## Development of Frankfurt Retail Business



#### **Until IPO**

- Low focus on Retail business
- Airports with pure function to serve as interface between road and air
- Fraport acted as "landlord", renting out retail space
- Some shops even were closed over the weekend
- No KPI's or targets

#### Until ~2015

- Increasing focus on Retail business
- Retail areas expanded and modernized
- Fraport still acting as landlord, renting out space
- Introduction of promoting activities for individual customers / nationalities together with shop operators
- Upcoming of KPI's and targets

### Very strong focus on Retail business

Since ~2015

- Retail activities expanded beyond point of sale: multi channel approach
- Online offering enables shopping well ahead of traveling
- Online platform also enables shops to maximize offering and to go for continuous advertising
- Since 2017 Fraport has also been directly involved as shop operator, based on JV with Gebr. Heinemann
- Further measures introduced like home delivery option, adding shops to online platform etc.

### KPI "Retail Revenue per Passenger"





59 Visual Fact Book 2018

<sup>1</sup> Retail revenue according to old segment structure / revenue split, including IT services for passengers

٠

### Top Spenders vs. Top Volume

Low passenger volumes

Russia

<7%

passengers

TOP 5 by Retail Value

Destinations with very high retail value

Highly defined consumption patterns

Vietnam

South Korea

Japan

~28%

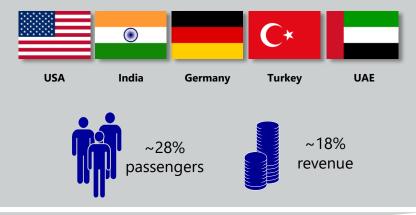
revenue

Easy reachability and addressability



#### TOP 5 by Volume

- Destinations with very large passenger volumes
- Moderate retail value
- Moderate reachability and addressability

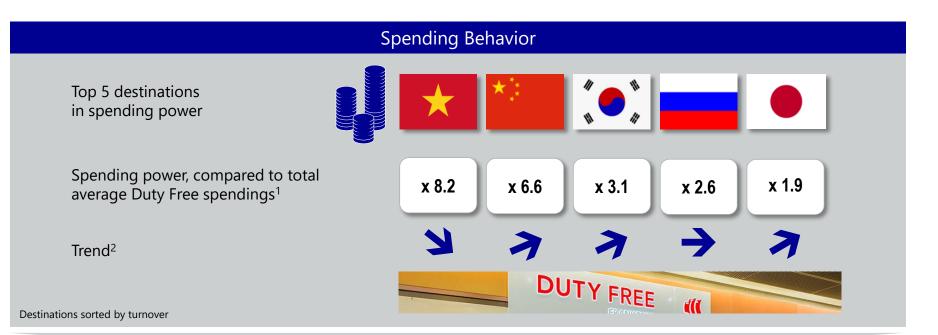


#### Sales optimization through culture-specific and highly customer-focused marketing

China

### Retail & Real Estate Shifts in Spending Behavior





#### Shifts reflect exchange rate developments and socio-economic developments

61 Visual Fact Book 2018

<sup>1</sup> Total average Duty Free spendings of passengers in 2018. Average = 1.0<sup>-2</sup> Compared to previous year

### *F/X Impact on Spending Behavior*<sup>1</sup>



		2015	2016	2017	2018
	F/X	+16%	0%	-2%	-4%
*]:	Spending	+13%	+1%	-4%	-4%
	F/X	+15%	-6%	-4%	-2%
	Spending	+15%	-10%	-6%	-3%
	F/X	-33%	-9%	+12%	-12%
	Spending	-21%	-8%	-2%	-13%
*	F/X	+10%	-2%	+1%	-2%
* //	Spending	+15%	-5%	-10%	-5%
	F/X	+4%	+10%	-5%	-3%
	Spending	-10%	+2%	-9%	-6%
$\star$	F/X	+14%	+2%	-4%	-6%
	Spending	+78%	+19%	-1%	-20%
	F/X	-18%	-5%	+7%	-17%
	Spending	+1%	-8%	+13%	-17%

F/X can serve as indicator for spending behavior, but no stand alone argument

<sup>1</sup> F/X = Development of national currency vs. EUR, based on annual average vs. previous year Spending = Duty Free spending per destination vs. previous year

### Retail Program: "Stabilize, Recover, Grow!"





## "Stabilize"

a. o. Sales Promotions, Increase Staff, Strengthen E-Commerce

## "Recover"

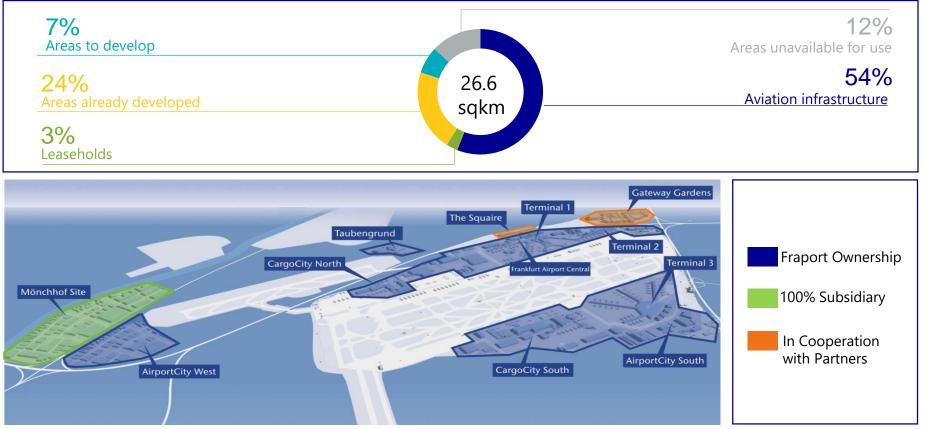
a. o. "World of Taste" and "World of Beauty" concept T1B, Focus on shop makeover, Food concepts, high luxury brands

### "Grow"

a. o. new shopping concepts for Pier G and T3

### Areas of Frankfurt Airport City





### Terminals and Surrounding Areas





920,000 sqm of total gross floor space

#### Mixed utilization

- Offices / Lounges
- Storage
- Operations

#### Size and Features 2018

- ~ 34% of gross floor space at Terminals
- ~ 66% of gross floor space service administration buildings

#### **Utilization split:**

- ~ 37% offices/lounges
- ~ 32% storage
- ~ 31% other utilization

### Ownership

100% Fraport

#### Clients

- DLH
- Other airlines
- Fraport
- Government agencies

## CargoCities (CCN & CCS)





1,490,000 sqm existing area land plus 270,000 sqm for further development

#### Logistics utilization

- Tailor-made facilities for major logistics companies
- Express services, forwarders

#### Size and Features 2018

- 1,490,000 sqm existing area land
- 11,600 employees
- A further 270,000 sqm gross land for building of space will be developed in the CCS, where 80,000 sqm of warehouse space are planned.

#### Ownership

100% Fraport

#### Clients, among others:

- Dachser
- DB Schenker
- DLH
- DHL Global Forwarders
- FCS
- Kühne & Nagel

- LUG
- Nippon Express
- Panalpina
- YusenAir Sea Service
- Several airlines like Air Bridge Cargo, Air China, Asiana, Emirates, Japan Airlines, Korean Air

### Retail & Real Estate Mönchhof Site





1,000,000 sqm of gross building land to sell and develop (approx. 91% net building land marketed) Mixed utilization

- Logistics and distribution centers
- Retail facilities (small sized)
- Airport-related operations
- Offices, hotels and restaurants

#### Size and Features 2018

- 1,000,000 sqm of gross building land to sell and develop
- For approx. 726,000 sqm net building land zoning plans are in place → largest contiguous industrial area under construction of the Rhine-Main region
- Approx. 664,000 sqm have been marketed already

#### Ownership

100% Fraport

#### **Clients, among others:**

- Amazon
- DHL Express Germany
- Group7
- REWE Group
- Shell Deutschland Oil
- Simon Hegele
- Streck Transportgesellschaft
- Loomis International GmbH
- VWR International GmbH
- Zoth

### Gateway Gardens



350,000 sqm of gross building land; resp. 700,000 sqm gross floor space

#### Mixed utilization

- Offices
- Hotels & gastronomy
- Conference facilities & Retail
- Airport-related services
- Research and science institutions

Part of Airport City not Fraport property



#### Size and Features 2017

- 350,000 sqm of gross building land
- Exit from B43 and motorway connections
- Direct access to Frankfurt Airport's operational area
- Associated rapid transit station "Gateway Gardens" (lines S8 / S9: to be completed in 2019) with corresponding bus lines

#### Ownership

1/3 Fraport, 1/3 Groß & Partner, 1/3 OFB

#### Clients, among others:

- Alpha Rotex
- Condor
- Greve Bau
- House of Logistics and Mobility (HOLM)
- Hyatt Place Hotel
- Imtech
- KION Group
- LSG Sky Chefs
- Siemens

# Retail & Real Estate Parking Management





- 29,600 parking spaces at FRA thereof 14,800 public parking
- ~14 mil. transactions p.a.
- 33,000 subscription customers
- External business: The Squaire, Messe Frankfurt, Gateway Gardens and Commerzbank Arena Frankfurt
- One of the biggest operators in Germany and Europe – with more than 56,400 parking spaces on- and off-airport

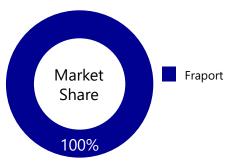
### Ground Handling

### Central Infrastructure



#### Central Infrastructure

- Sole provider
- Regulated business
- Provision of infrastructure, incl. Baggage conveyor system (80+ km)
- Baggage connectivity in 2018: 98.4%
- ~ 30.1 mil. pieces of baggage (2018)



#### Activities

- Total Baggage Management, incl. intermodal handling (AirRail Terminal)
- Baggage facilities and conveyor system
- Baggage customs warehouse
- Baggage security, Baggage Reconciliation System (BRS)
- Passenger bridges
- CUTE network
- 400 Hz Ground power
- Fresh water / toilet facilities
- Fueling and de-icing facilities

### Ground Handling

### Ramp & Passenger Services



#### **Ramp Services**

- One third-party handler: WISAG
- ~208k A/C / ~27.6 mil. tons MTOM handled 2018

#### Tasks, among others:

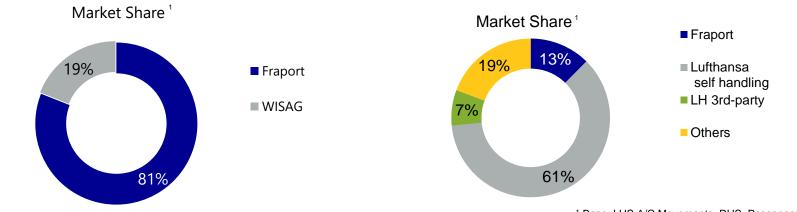
 A/C acceptance, Loading and unloading services, Passenger & crew transport, Baggage, cargo, mail transport, De-icing, Water supply, Cleaning

#### **Passenger Services**

- Open market: third-party handlers (e.g., WISAG) and selfhandling (e.g., Lufthansa)
- ~18k aircraft handled in 2018

#### Tasks, among others:

• Check-in & boarding, Ticketing, Baggage tracing, Flight and Ground Ops, Ramp Agents, General aviation terminal

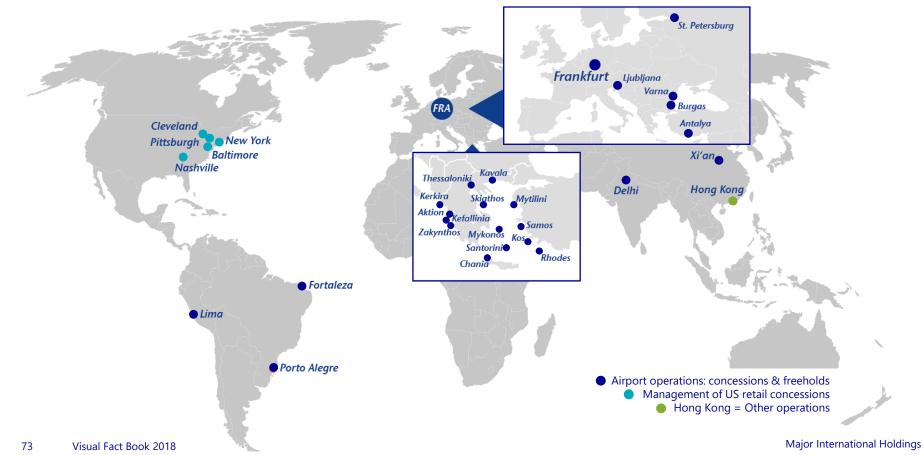


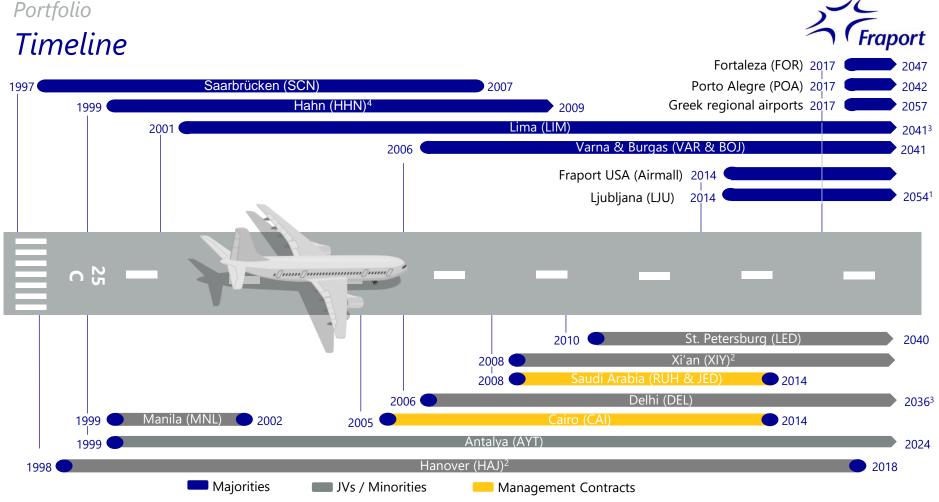
# *Major International Holdings*





### 25 Airports 1 5 Retail Concessions 1 1 Other Operations





74 Visual Fact Book 2018 <sup>1</sup> Shareholding extension possible <sup>2</sup> Shareholding / Freehold <sup>3</sup> Extension option available <sup>4</sup> Sold to State of Rhineland Palatin Major International Holdings

# Key Facts of Airport Holdings



Investment	% share	Consolidation	Investment type	Concession charge	Capex obligation <sup>1</sup>	Regulation	
Fortaleza	100	Full	Concession until 2047	Fixed minimum + 5% revenue component	Modernizing and expanding the airport	Dual till	
Porto Alegre	100	Full	Concession until 2042 <sup>3</sup>	Fixed minimum + 5% revenue component	Modernizing and expanding the airport	Dual till	
Ljubljana	100	Full	Asset ownership <sup>4</sup>	No conc. charge	/	Dual till	
Greek regionals	73.4	Full	Concession until 2057	Fixed minimum + EBITDA component as of 2021	Modernizing and expanding the airport portfolio	Dual till with predefined charge mechanism	
Lima	80.01	Full	Concession until 2041 <sup>3</sup>	Fixed minimum + revenue component	Modernization of existing infrastructure fulfilled, new runway and new terminal to be constructed	Single till	
Varna & Burgas	60	Full	Concession until 2041	Fixed minimum + revenue component	Construction of 2 new terminals fulfilled	Dual till	
Antalya	51/50 <sup>2</sup>	@equity	Concession until 2024	Fixed	Construction of new terminal fulfilled	Dual till with fixed charges	
St. Petersburg	25	@equity	Concession until 2040	Fixed minimum + revenue component	Construction of new terminal fulfilled	Dual till	
Xiʻan	24.5	@equity	Asset ownership	No conc. charge	/	Charges set by authority	
Delhi	10	@cost	Concession until 2036 <sup>3</sup>	Revenue component	/	Hybrid till	

<sup>1</sup> W/o maintenance capex and investments subject to traffic growth <sup>2</sup> Share of voting rights: 51% / dividend share: 50%

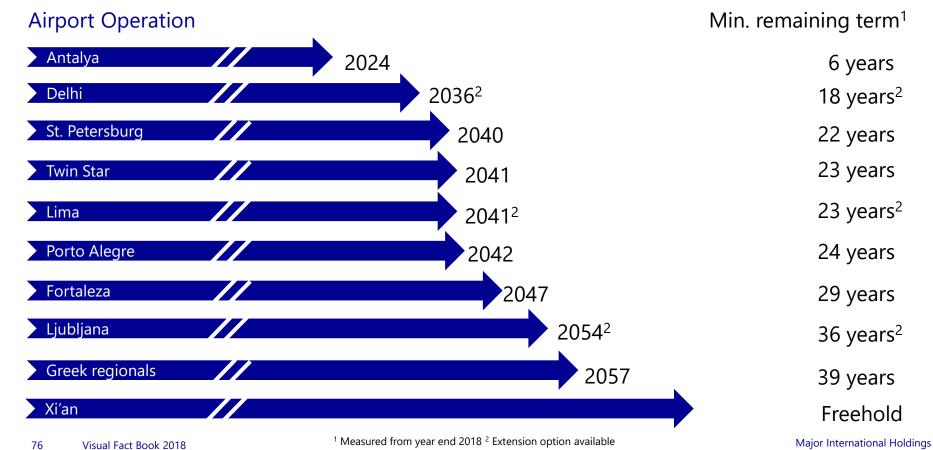
75 Visual Fact Book 2018

<sup>3</sup> Extension option available <sup>4</sup> Right to operate airport derived from land use contract until 2054, extension possible

Major International Holdings

# Remaining Terms of Airport Holdings<sup>1</sup>





# Airport Types



Hubs

Frankfurt Main Share: 100% 69.5 mil. passengers

Lima Airport Share: 80.01% 22.1 mil. passengers

Delhi Airport Share: 10% 69.9 mil. passengers **Regional Airports** 

Ljubljana Airport Share: 100% 1.8 mil. passengers

Porto Alegre Airport Share: 100% 8.3 mil. passengers

Thessaloniki Airport Share: 73.4% 6.7 mil. passengers

Pulkovo Airport Share: 25% 18.1 mil. passengers

Xi'an Airport Share: 24.5% 44.7 mil. passengers **Tourist Airports** 

Fortaleza Airport Share: 100% 6.6 mil. passengers

13 Greek Regional Airports Share: 73.4% 23.2 mil. Passengers

> Burgas Airport Share: 60% 3.3 mil. passengers

> Varna Airport Share: 60% 2.3 mil. passengers

Antalya Airport Share: 51% 32.3 mil. passengers

### Fraport Brasil: Fortaleza & Porto Alegre Airports





#### Fraport ownership: 100%

**Fraport investment since:** Contracts signed in August 2017, operational takeover January 2018

**Investment type:** Fortaleza: 30 years concession until 2047 Porto Alegre: 25 years concession until 2042

#### **Airport profiles**

Fortaleza:1 runway, 1 terminalPorto Alegre:1 runway, 2 terminals

**Cost of acquisition:** ~€190 mil. upfront payment, ~€350 mil. further fixed payments + 5% revenue related component

Scope of Fraport activities: Aviation & non-Aviation

Capex obligation: Modernizing and expanding

Regulation: Dual till

2018 Profits to Group: €~13 mil.

Share in 2018 Group result: ~3%

### Fraport Brasil: Fortaleza & Porto Alegre Airports



First mandatory Capex Phase 1B to be completed by Q3 2019 Second Phase / Runway Extension planned to be completed in 2021





- 2 airports
- Runway extension
- · Terminal refurbishment and extension
- Parking lots
- New Retail concepts

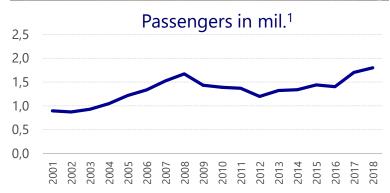


BRL c.2,300mn investment

# Fraport Slovenija: Ljubljana Airport







Fraport ownership: 100%

Fraport investment since: September 2014

**Investment type:** Right to operate airport derived from 40 years land use contract, extension possible

#### **Airport profile**

Capital city airport of Slovenia 1 Runway, capacity of 25 movements/hour, 1 Terminal, capacity of 2 mil. passengers/year,

**Cost of acquisition:** ~€240 mil. for acquisition of shares, no other concession charges **Scope of Fraport activities:** Aviation, non-Aviation & Ground Handling

**Capex obligation:** Maintenance and additional capex for terminal extension

Regulation: Dual till

**2018 profits to Group:** €~7 mil.

Share in 2018 Group result: ~1%

### Fraport USA: Airmall Retail Concessions



#### New York JFK Airport



Pittsburgh International Airport



#### **Fraport ownership:** 100%

#### Fraport investment since: August 2014

**Investment type:** Based on concession agreements, Fraport USA subleases terminal concession areas to retail, food & beverage operators at the following airports:

- Baltimore, concession until March 2022
- Cleveland, concession until January 2024
- Nashville, concession until January 2029
- New York (JFK T5), concession until March 2028
- Pittsburgh, concession until: 31 Dec. 2029

**Cost of acquisition:** ~€45mil. for acquisition of shares

**Scope of Fraport activities:** Planning, designing, leasing & marketing of commercial areas

**Capex obligation:** Pre-defined capex requirements focused on the improvement of common areas

**2018 profits to Group:** €~1 mil.

Share in 2018 Group result: <1%

### Fraport Greece: 14 Greek Regional Airports



🛧 Cluster A	🛧 Cluster B
Num. of Airports: 7	Num. of Airports: 7
PAX 2018: 16.6 mil (+7.9% YoY)	PAX 2018: 13.3 mil (+10.2% YoY)
Domestic/Intl PAX 2017: 21%/78%	Domestic/Intl PAX 2017: 25%/75%
Thessaloniki Chanis	

Fraport ownership: 73.4%

Fraport investment since: April 2017

Investment type: 40 years concession until 2057

Airports profile: 14 regional airports with strong touristic share

**Cost of acquisition:** Upfront payment of  $\leq 1.234$  bn., fixed annual installments of  $\leq 22.9$  mil. (indexed with Greek CPI), and starting in 2021: additional variable component of 28.5% EBITDA

**Scope of Fraport activities:** Upgrade, maintenance, management and operation of the 14 regional airports

**Capex obligation:**~€415 mil. planned for modernizing and expanding airports until 2021

**Regulation:** Dual till with aviation charges set at €13 per departing passenger at the beginning, and fixed increase to €18.5 + 90% of Greek CPI following fulfillment of capex obligation

**2018 Profits to Group:** €~2 mil.

Share in 2018 Group result: >1%



### Fraport Greece: Modernization & Expansion Program



Mandatory Capex requirement to be fulfilled until 2021. Following fulfillment right to increase aviation charge per departing passenger from EUR 13 to EUR 18.5



- 14 airports
- 5 new terminals
- Runway refurbishment
- Refurbishment of existing terminals
- New Retail concepts

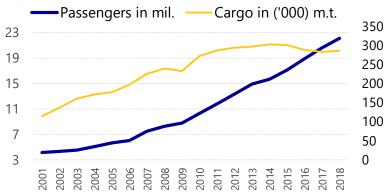


EUR c.400mn investment until 2021

### Features of Major Holdings Lima Airport







#### Fraport ownership: 80.01%

Fraport investment since: February 2001

Investment type: 40 years concession + extension option

#### **Airport profile**

Capital city airport of Peru & regional hub for LatAm. 1 runway, peak hour utilization close to maximum 1 terminal, peak hour utilization close to maximum

**Cost of acquisition:** Variable concession charge of 46.511% equaled €153.6 mil. in 2018

#### Scope of Fraport activities: Aviation & non-Aviation

**Capex obligation:** Obligation to modernize existing infrastructure fulfilled, construction of new runway to commence 1st half of 2019, terminal end of 2019

Regulation: single till

**2018 profits to Group:** €~70 mil.

**Share in 2017 Group result:** ~14%

### Lima Airport: Expansion Program

Program to expand Lima Airport to commence in 2019: New runway to be completed by 2021/22, new Terminal to be completed by 2024







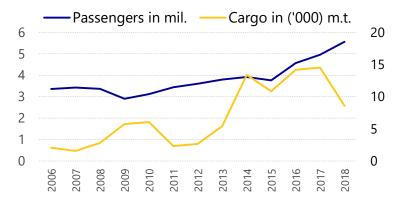
- New midfield terminal
- New 2nd runway
- New Parking lots
- New Retail concepts



USD c.1,500mn investment<sup>1</sup>

## Twin Star: Varna & Burgas Airports





Fraport

Fraport ownership: 60%

Fraport investment since: November 2006

Investment type: 35 years concessions until 2041

#### **Airports profile**

Largest airports outside of Sofia. gateway to Black Sea Varna: 1 runway, capacity of 30 movements/hour 1 terminal, capacity of 1.8 mil. pass./year

Burgas: 1 runway, capacity of 30 movements/hour 1 terminal, capacity of 2.7 mil. pass/year

**Cost of acquisition:** €3.0 mil. upfront payment and variable concession fee of 19.2% of total revenues

Scope of Fraport activities: Aviation, non-Aviation & Ground Handling

**Capex obligation:** Obligation to construct 2 new terminals fulfilled, further investments subject to traffic

Regulation: Dual till with multi year contracts

2018 profits to Group: €~23 mil.

Share in 2018 Group result: ~5%

### Features of Major Holdings Antalya Airport







**Fraport ownership:** Share of voting rights: 51% / dividend share: 50%

Fraport investment since: 1999, concession was renewed in September 2007

Investment type: 17 years concession until 2024

#### **Airport profile**

Largest Airport in Turkey outside of Istanbul 2 Runways, capacity of 60 movements/hour, 3 Terminals, capacity of 46 mil. passengers/year

**Cost of acquisition:** Upfront payment of ~€500 mil. and annual installments of €100 mil. since 2010

Scope of Fraport activities: Aviation & non-Aviation

**Capex obligation:** Obligation to construct a domestic terminal fulfilled. Further investments subject to traffic

**Regulation:** Dual till with aviation charges set at €15 per departing international and €3 per departing domestic passenger

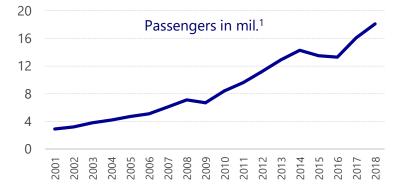
**2018 profits to Group:** €~39 mil.

Share in 2018 Group result:  ${\sim}8\%$ 

# Saint Petersburg Airport







Fraport ownership: 25%

Fraport investment since: April 2010

Investment type: 30 years concession until 2040

#### Airport profile

Largest airport outside of Moscow 2 runways, capacity of 45 movements/hour 1 terminal, capacity of 18 mil. passengers/year

**Cost of acquisition:** Annually RUB 85.3 mil. fixed concession fee and variable component of 11.5% of revenue

Scope of Fraport activities: Aviation, non-Aviation & Ground Handling

**Capex obligation:** Obligation to construct new terminal fulfilled, further investments subject to traffic

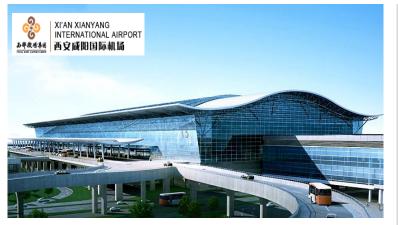
Regulation: Dual till with multi years contracts

**2018 profits to Group:** 0<sup>2</sup>

Share in 2018 Group result: 0<sup>2</sup>

Major International Holdings

### Xi'an Airport



	Passengers in milCargo in ('000) m.t.	
50		400
40		300
30		200
20		200
10		100
0		0
	2003 2005 2005 2006 2007 2009 2011 2011 2013 2013 2013 2015 2015 2015 2015 2017 2018	



Fraport ownership: 24.5%

Fraport investment since: July 2008

Investment type: asset deal

#### Airport profile

Among 10 biggest airports in China, center of Chinese aerospace & aviation industry, Terracotta Army nearby 2 runways, capacity of ~65 movements/hour 3 terminals, capacity of ~44 mil. passengers/year

**Cost of acquisition:** ~€80 mil., no concession fees

Scope of Fraport activities: Aviation & non-Aviation

Capex obligation: Investments subject to traffic

Regulation: Fixed airport charges; determined by Aviation Authority

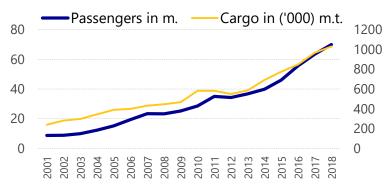
**2018 profits to Group:** €~10 mil.

Share in 2018 Group result:  ${\sim}2\%$ 

### Features of Major Holdings Delhi Airport







#### **Fraport ownership:** 10%

#### Fraport investment since: April 2006

**Investment type:** 30 years concession until 2036 with extension option until 2066

#### **Airport profile**

Capital city airport & largest airport in India 3 Runways, capacity of 73 movements/hour, 3 Terminals, capacity of 66 m. passengers/year, Expansion plan for 109 m. Passengers in 2034

Cost of acquisition: ~€40 mil.

#### Scope of Fraport activities: Airport operator

#### Capex obligation: n/a

**Regulation:** Hybrid till (aeronautical charges with 30% non-aeronautical revenues subsidized)

2018 profits to Group: n/a as investment is valued at cost

#### Share in 2018 Group result: n/a



# Fraport Group Key Figures





Figures including one-off and consolidation effects, main effects are:

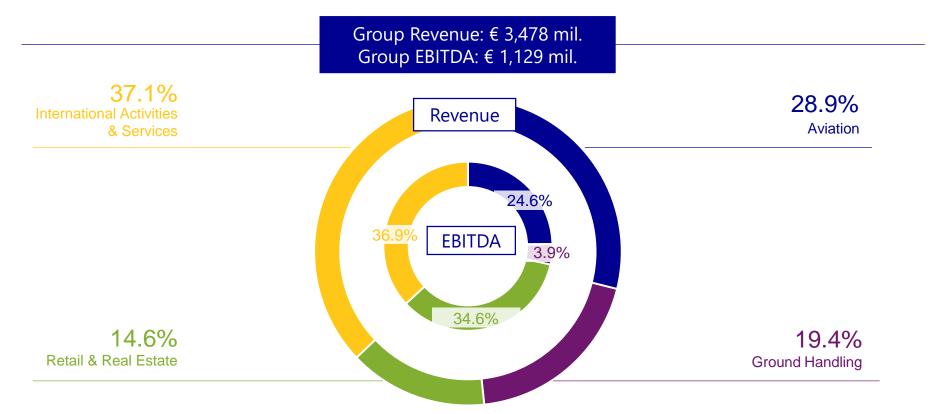
2014: AMU Holdings Inc. and Ljubljana included since August 2014 and October 2014, respectively 2015: Air IT Inc. disposed: book gain of ~€8 mil.

2016: €40.1 mil. EBITDA impact from disposal of a 10.5% stake in St. Petersburg, in addition: €198.8 mil. EBITDA impact from MNL compensation payment, €-37.7 mil. EBITDA impact from creation of staff-related provisions, €22.4mil. impairment on FraSec and €7.4mil. write-down on Fraport USA

2018: Sale of Hanover airport: EBITDA/EBIT effect of €25.0 EBT effect of €83.6 mil., Group result effect of €75.9 mil.

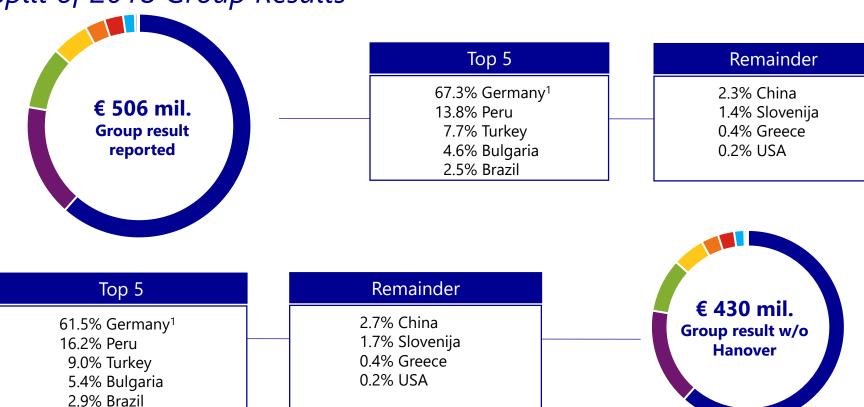
# Fraport Group Split of Revenue & EBITDA







# Split of 2018 Group Results

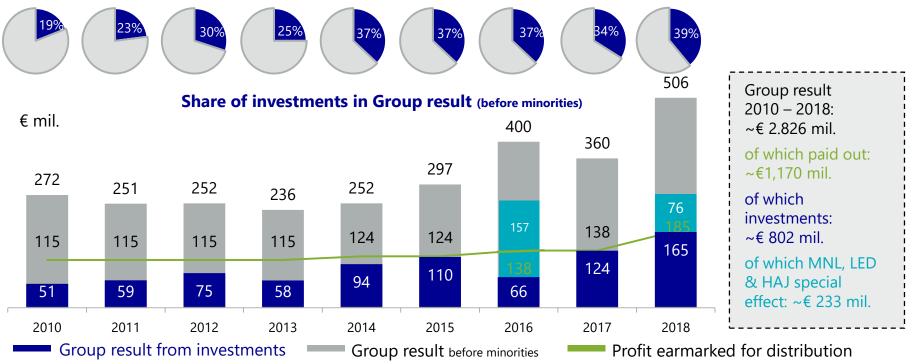


<sup>1</sup>Intercompany loans allocated to Germany



# International Activities c.40% of Group Result





Figures including one-off, and consolidation effects, major effects:

2010: Release of tax provisions of ~€80 mil.

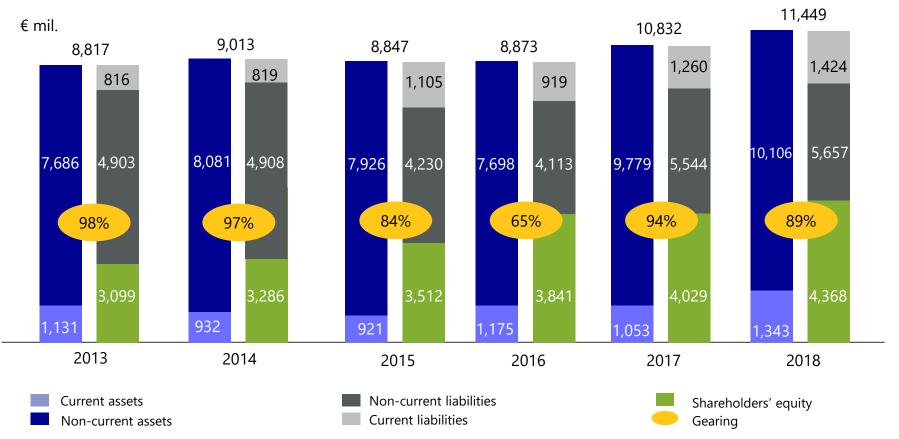
2012: Adjusted for IAS19; extraordinary profit from Asset Management in Financial Result

2014: AMU Holdings Inc. and Ljubljana included since August 2014 and October 2014, respectively 2015: Air IT Inc. disposed: book gain of ~€8 mil.

2016: €35.9 mil. impact from disposal of a 10.5% stake in St. Petersburg, in addition: €121.4 mil. Impact from MNL compensation payment, €-37.7 mil. EBITDA impact from creation of staff-related provision, €22.4mil. impairment on FraSec and €7.4mil. write-down on Fraport USA 2018: Sale of 30.0% stake in Hanover airport: Group result effect of €75.9 mil.

# Fraport Group Balance Sheet





### Capex and Cash Flow Overview



2018

89%

393

2017

94%

2017

3.512 3.545

302

2016

65%

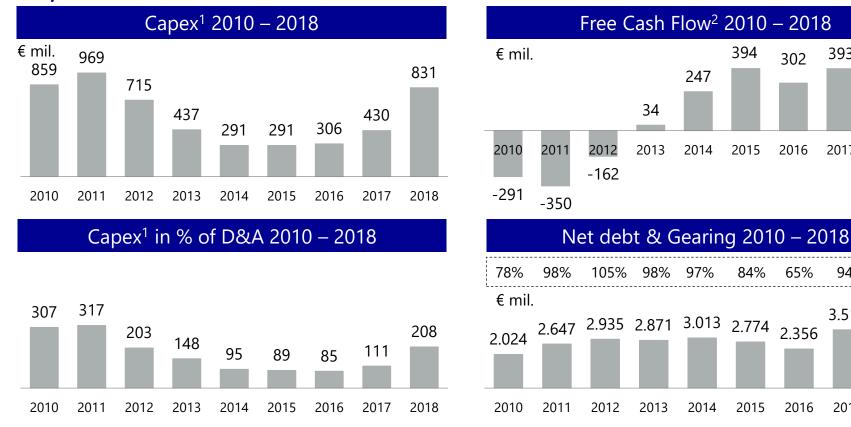
2016

394

2015

84%

2015



#### <sup>1</sup> Capex as: Cash Flow in PPE, airport operating projects, intangible assets, investment property & at equity investments

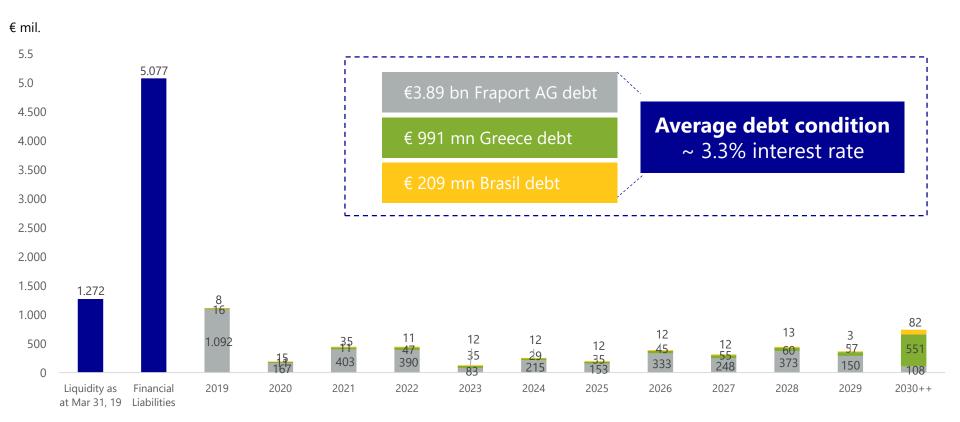
97 Visual Fact Book 2018 <sup>2</sup> New Free Cash Flow definition incl. dividends from minorities applied from 2013 onwards

Financials

2018

### Maturity Profile & Cash Position (as of March 31, 2019)





## Value Management

### 2018 WACC: 6.5% 2017 WACC: 6.7%



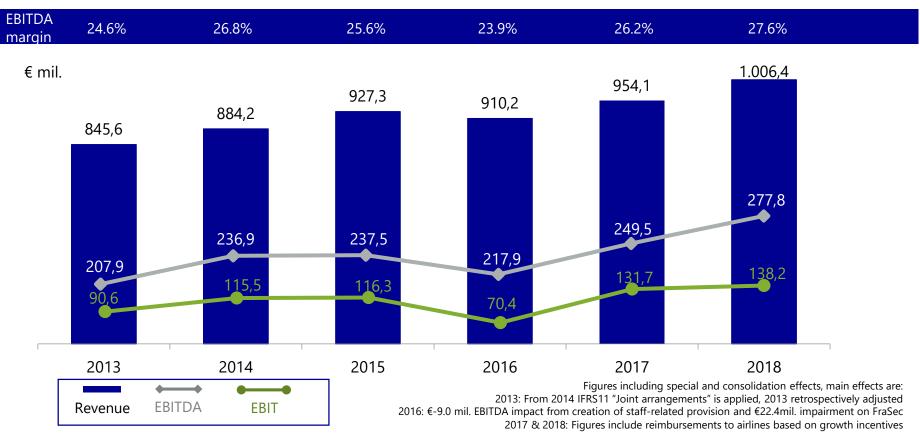
€ mil.	Fraport Group		Aviation		Retail & Real Estate		Ground Handling		Intl' Activities & Services	
	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017
Adjusted EBIT <sup>1</sup>	856.7	696.6	138.4	131.8	304.2	292.8	-7.1	16.4	421.3	255.6
Fraport assets	7,688.8	6,965.8	2,902.2	2,683.8	1,937.5	1,891.1	624.0	574.2	2,225.1	1,816.8
Costs of capital before tax	499.8	466.7	188.6	179.8	125.9	126.7	40.6	38.5	144.6	121.7
Fraport value added before tax	357.0	229.9	-50.3	-48.0	178.2	166.1	-47.7	-22.1	276.7	133.9
ROFRA	11.1%	10.0%	4.8%	4.9%	15.7%	15.5%	-1.1%	2.9%	18.9%	14.1%
			Adjusted EBIT <sup>1</sup>							
ROFRA (Return on Fraport assets)			=		Fra	port asse	ets			

99 Visual Fact Book 2018 <sup>1</sup> EBIT including investments accounted for using the equity method, Figures including one-off effects, see also Group and segment results Financials

### Segment Aviation

# Key Figures

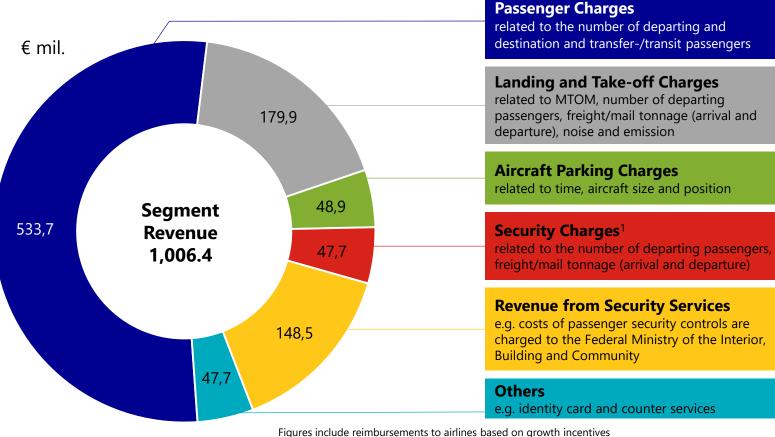




Financials

### Segment Aviation

## Revenue Split





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<sup>1</sup> E.g. critical parts, additional security measures and passenger segregation, insurance, etc.

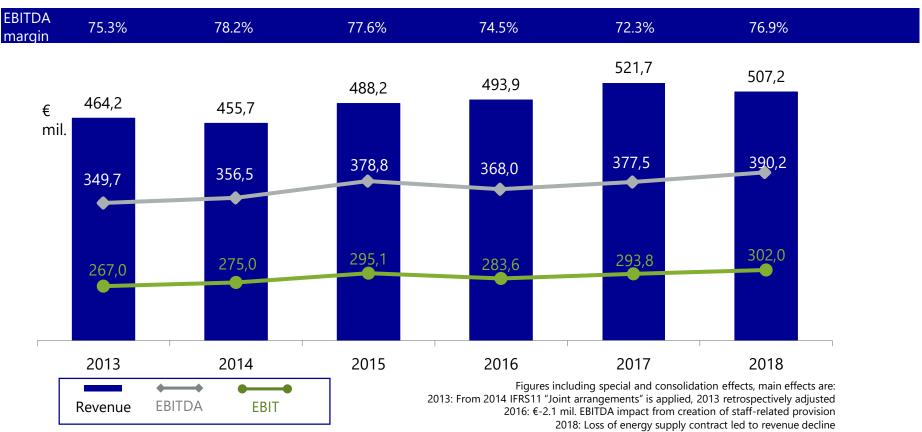
Regulated Airport Charges

> Other Revenues

> > **Financials**

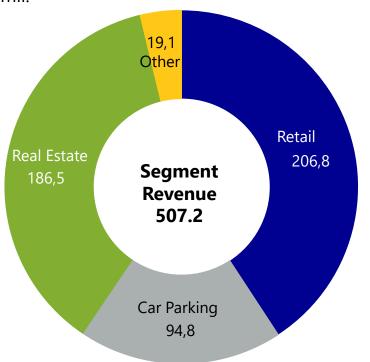
# Key Figures





### Segment Retail & Real Estate Revenue Split

€ mil.





#### Retail

- Rents in terminals for shops, restaurants, service units, etc.
- Rents for advertising space

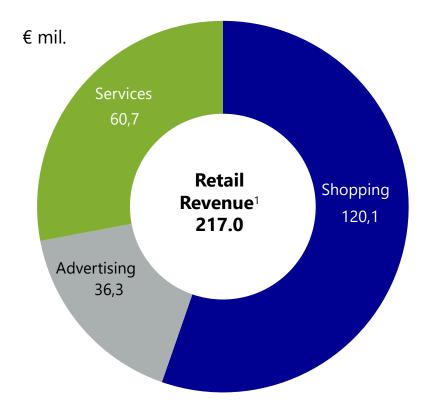
#### Car Parking

• Parking charges

#### Real Estate

- Rents in terminals for offices, lounges, storages etc.
- Leasing rates for land where airline buildings and / or other companies built
- Energy supply

# Segment Retail & Real Estate Retail Revenue Split



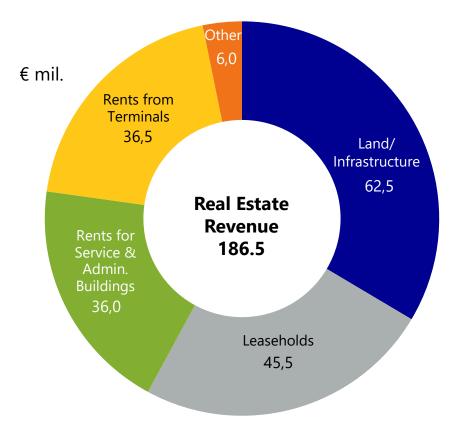


Retail Segments	Outlets <sup>2</sup>		
Duty Free & Travel Value	20		
Specialty Shops	154		
Food & Beverages <sup>3</sup>	67		
Other Services, e. g. Car Rental <sup>4</sup>	55		

<sup>1</sup> Retail revenue according to old segment structure, including IT services for passengers <sup>2</sup> As of Dec 31, 2018 <sup>3</sup> Including mobile sales units <sup>4</sup> Excluding ATMs

### Segment Retail & Real Estate

### Real Estate Revenue Split





#### Land / Infrastructure

• Energy supply (supply & infrastructure)

#### Leaseholds

- Fraport-owned land leased to Lufthansa (most part of DLH base)
- Heritable building rights in CargoCity South to logistics companies

#### **Rents for Service & Admin. Buildings**

• Office buildings, maintenance and apron buildings

#### **Rents from Terminals**

Offices, lounges, storage mainly rented to airlines

### Segment Ground Handling

# Key Figures

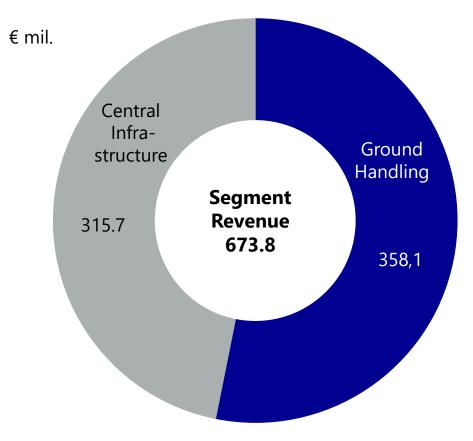




2013: From 2014 IFRS11 "Joint arrangements" is applied, 2013 retrospectively adjusted 2016: €-18.7 mil. EBITDA impact from creation of staff-related provision

### Segment Ground Handling Revenue Split





### **Ground Handling charges** For services provided to airlines including:

- Ramp services ٠
- Passenger services ٠
- **Cargo Services** ٠

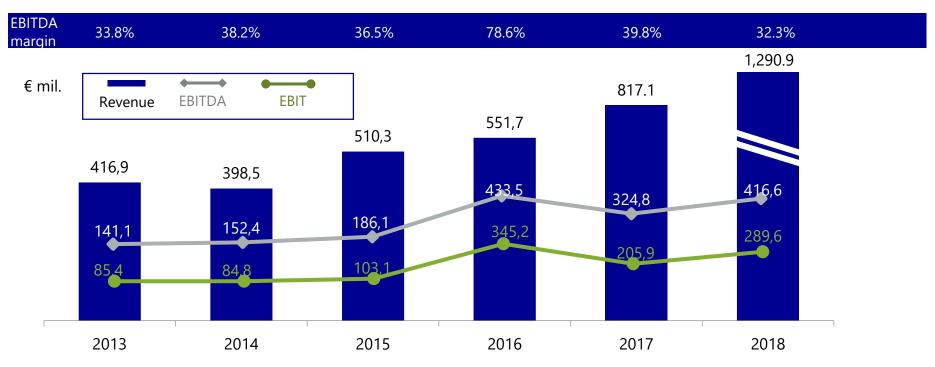
#### **Central Infrastructure charges**

Charges imposed to the airlines for the provision of central ground handling infrastructure facilities such as:

- Baggage conveyor system
- Passenger bridges
- Fresh water / toilet facilities
- 400 Hz ground power facilities

# Key Figures





Figures including one-off and consolidation effects, main effects are: 2013: From 2014 IFRS11 "Joint arrangements" is applied, 2013 retrospectively adjusted 2014: Fraport USA and Ljubljana included since August 2014 and October 2014, respectively 2015: Air IT Inc. disposed: book gain of ~€8 mil. 2016: €40.1 mil. EBITDA impact from disposal of a 10.5% stake in St. Petersburg, in addition: €198.8 mil. EBITDA impact from MNL compensation payment, €-7.9 mil. EBITDA impact from creation of staff-related provision & €7.4mil. write down on Fraport USA 2018: Sale of Hanover airport: EBITDA/EBIT effect of €25.0 mil.

# **Overview of Major Investments**

#### **Fully consolidated Group companies**

€ million	Share in %		R	evenue <sup>1)</sup>			EBITDA			EBIT		Result		
		2018	2017	Δ%	2018	2017	Δ%	2018	2017	Δ%	2018	2017	Δ%	
Fraport USA	100	58.3	61.8	-5.7	6.2	13.0	-52.3	1.8	-1.6	_	0.8	-3.9	-	
Fraport Slovenija	100	46.3	41.7	+11.0	18.5	15.6	+18.6	8.5	5.9	+44.1	7.3	5.3	+37.7	
Fortaleza + Porto Alegre <sup>2)</sup>	100	258.4	_	_	40.2	_	-	28.4	-	_	12.5	-	_	
Fraport Greece <sup>3)</sup>	73.4	414.8	234.9	+76.6	146.8	117.4	+25.0	101.3	84.9	+19.3	1.8	13.5	-86.7	
Lima	70.01	358.3	325.6	+10.0	119.6	120.0	-0.3	104.7	103.4	+1.3	69.6	54.4	+27.9	
Twin Star	60	74.0	67.5	+9.6	42.0	39.6	+6.1	30.1	28.0	+7.5	23.2	20.8	+11.5	
Group companies accour	nted for using	the equi	ty metho	d				-						
€ million	Share in %		Re	evenue <sup>1)</sup>	e <sup>1)</sup> EBITDA EBIT			Result						
		2018	2017	Δ%	2018	2017	Δ%	2018	2017	Δ%	2018	2017	Δ%	
Antalya	51/50 <sup>4)</sup>	323.1	260.2	+24.2	277.3	222.6	+24.6	168.1	114.1	+47.3	77.5	31.4	> 100	
Pulkovo/Thalita	25	274.0	258.2	+6.1	171.3	147.4	+16.2	135.6	107.3	+26.4	-23.2	-29.9	+22.4	
Xi'an	24.5	247.3	231.2	+7.0	91.5	90.3	+1.3	44.3	41.6	+6.5	37.7	37.3	+1.1	

Figures refer to IFRS accounting, not local GAAP, percent changes based on unrounded figures

<sup>1)</sup> Revenue adjusted by IFRIC 12: Lima 2018: €316.1 mn (2017: €306.9 mn); Fraport Greece 2018: €265.0 mn (2017: €211.8 mn);

Fortaleza + Porto Alegre: 2018: €90.9 mn; Antalya 2018: €316.8 mn; Pulkovo/Thalita 2018: €270.3 mn

<sup>2)</sup> Sum of the Group companies Fortaleza and Porto Alegre. Operations from January 2, 2018

<sup>3)</sup> Fraport Regional Airports of Greece A and Fraport Regional Airports of Greece B are collectively referred to as "Fraport Greece". Operations as of April 2017 Financials

<sup>4)</sup> Share of voting rights: 51%, dividend share: 50 %



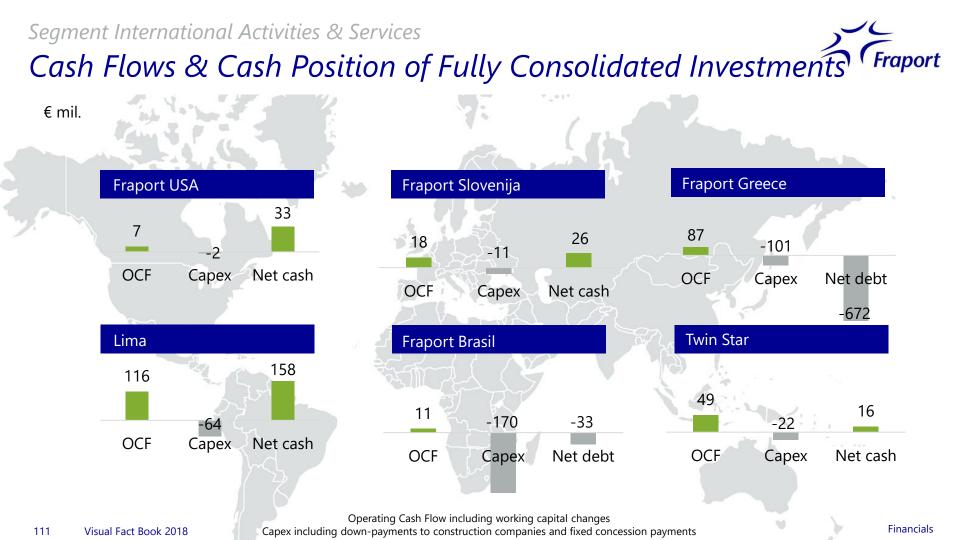
# Revenues of Fully Consolidated Airport Investments

Greece in € mil.	2018	2017	Δ%
Revenue	415	235	+76.6
Revenue w/o IFRIC 12	265	212	+25.1
- Aviation charges	225	187	+20.2
- Retail	21	15	+38.6
- Other	19	10	+90.0
EBITDA margin w/o IFRIC 12	55%	55%	<u>+</u> 0pp
Brasil in € mil.	2018	2017	Δ%
Revenue	258	-	-
Revenue w/o IFRIC 12	91	-	-
- Aviation charges	56	-	-
- Retail	15	-	-
- Other	20	-	-
EBITDA margin w/o IFRIC 12	44%	-	-
Slovenija in € mil.	2018	2017	Δ%
Revenue	46	42	+11.0
Revenue w/o IFRIC 12	46	42	+11.0
- Aviation charges	22	20	+10.1
- Retail	3	3	+17.9
- Other	21	19	+10.8
EBITDA margin w/o IFRIC 12	40%	37%	+3pp
	1		

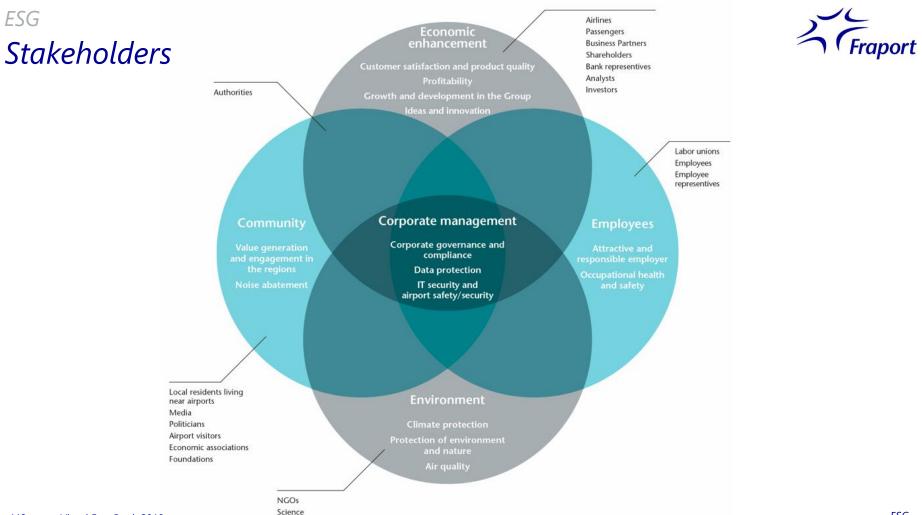
Lima in € mil.	2018	2017	Δ%
Revenue	358	326	+10.0
Revenue w/o IFRIC 12	316	307	+3.0
- Aviation charges	178	170	+4.4
- Retail	59	56	+4.0
- Other	79	81	-0.6
EBITDA margin w/o IFRIC 12	38%	39%	-1pp
Twin Star in € mil.	2018	2017	Δ%
<b>Twin Star in € mil.</b> Revenue	2018 74	2017 68	∆ % +9.6
Revenue	74	68	+9.6
Revenue Revenue w/o IFRIC 12	74	68 68	+9.6 +9.6
Revenue Revenue w/o IFRIC 12 - Aviation charges	74 74 46	68 68 42	+9.6 +9.6 +10.8

Financials

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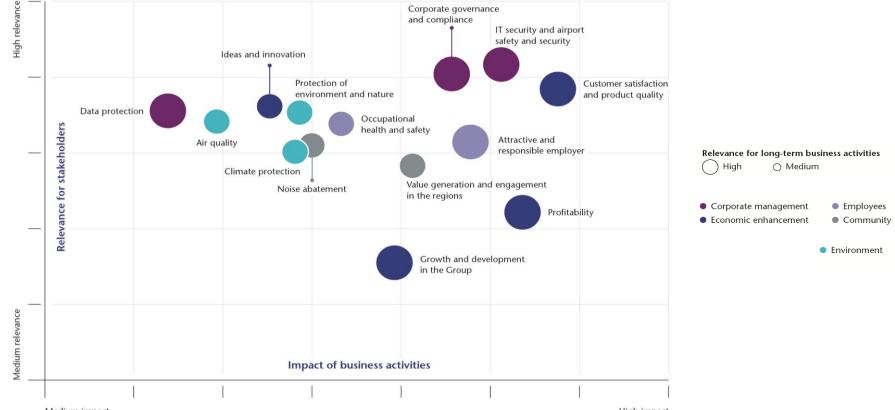


#### Medium impact

ESG

High impact

# Materiality Matrix



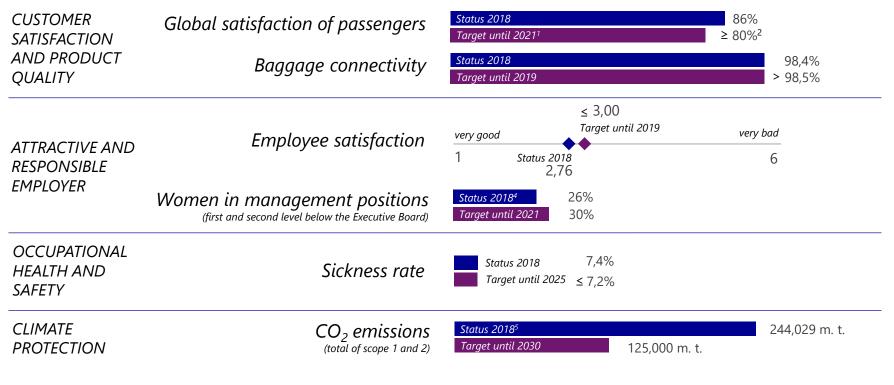
ESG



ESG

# Non-financial Key Performance Indicators





<sup>1</sup>Only Fraport AG

<sup>2</sup> Target from 2021 forward: ≥82.5%, from 2025: ≥85%

<sup>3</sup> Includes Fraport AG, eleven Group companies at Frankfurt site, Lima, Twin Star, Fraport Slovenija

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<sup>4</sup>Includes Fraport AG and all Group companies in Germany

<sup>5</sup> Includes Fraport AG and Fraport Greece as well as the Group companies GCS, FraGround, Fraport Slovenija, Lima, Fortaleza, Porto Alegre and Twin Star.

ESG Ratings





For further information, please refer to

https://www.fraport.com/en/our-company/fraport/about-us/awards.html#id tab our-company fraport about-us awards responsibility

ESG

# *7* Share & Further Information



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Performance related components	"Long-term Incentive Plan" – granted after 4-yrs period 70% subject to EPS Performance vs. Budget & 30% subject to Total Shareholder Return vs. MDAX		
	"Long-term Strategy Award" – granted after 3-yrs period Subject to Customer Satisfaction, Employee Satisfaction & Share price vs. MDAX and Peer basket, all parameters weighted equally	Total remuneration	
	Annual variable bonus Subject to EBITDA & ROFRA Performance, conditional payback clauses for subsequent years included	capped for all Executive Board members	
Non- performance related component	Annual fixed salary + Anciallary benefits subject to personal circumstances		

## Management Remuneration



remuneration

Share & IR **Key Data** 

ISIN:

Share symbol:

Class of share:

Capital stock (acc. to IFRS):

Calculated par value per share:

Number of floating shares on Dec. 31, 2018 <sup>1</sup>:

Listing:

Sustainability Share Indices:

IPO:

Placement price:

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DE0005773303

FRA GR (Bloomberg) FRAG.DE (Reuters)

Ordinary bearer shares with a notional par value of € 10.00 each

€ 924.7 million

€ 10.00

92,391,339

Frankfurt Stock Exchange – official trading (Prime Standard), MDAX<sup>2</sup>

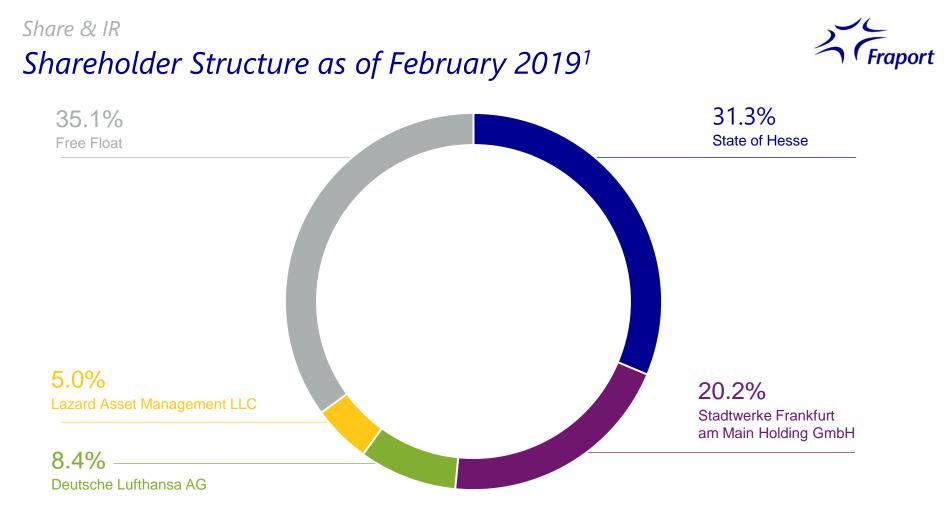
FTSE4Good-Index, Ethibel Sustainable Index (ESI) Excellence Europe, Germany Ethik 30 Stock Index

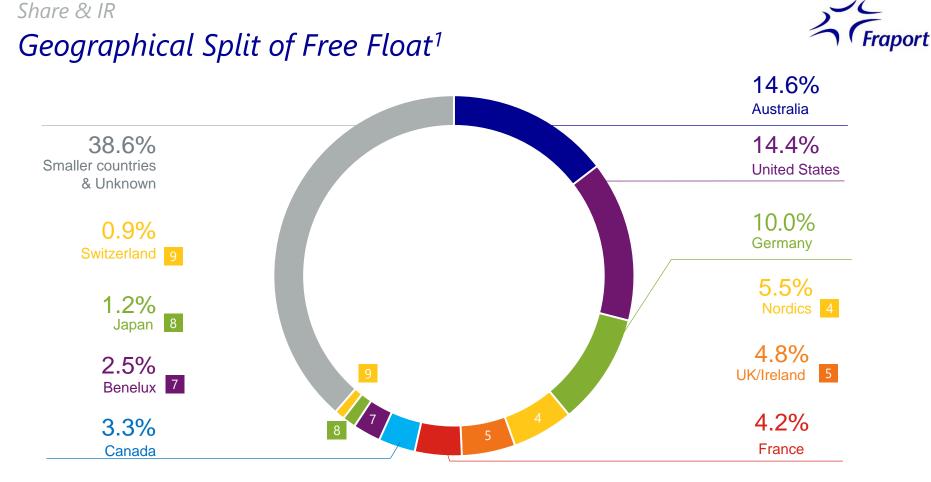
June 11, 2001

€ 35.00

 $^{1}$  Total number of shares less treasury shares  $^{2}$  Index of Deutsche Börse for mid caps from classic sectors





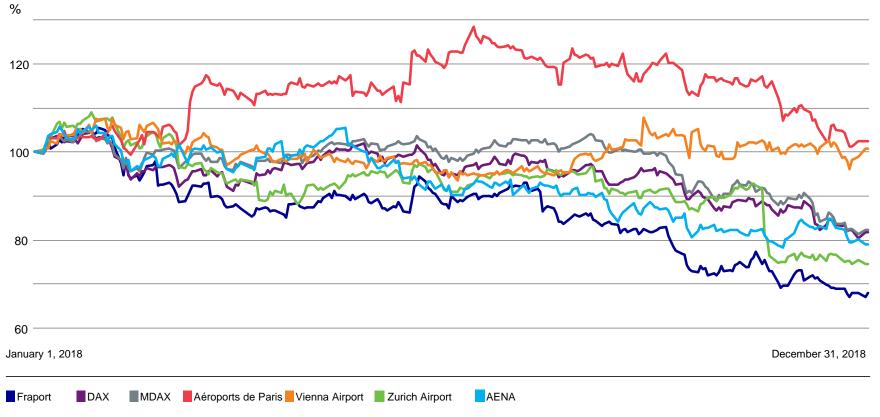


<sup>1</sup> Free Float without State of Hesse, Stadtwerke Frankfurt, Lufthansa & treasury shares. Holdings held by different subsidiaries were not pooled. Source: Bloomberg February 2019

## Share & IR Stock Performance



index based 100



Share & IR

# Historic Figures



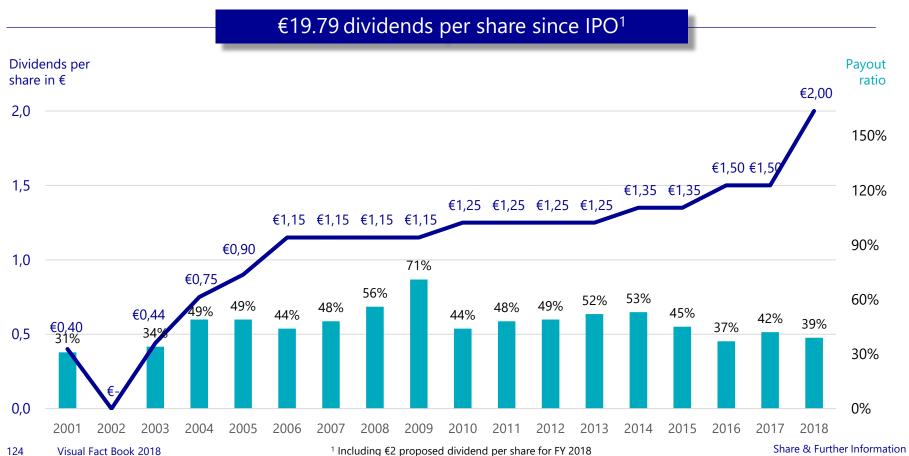
		2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Year-end closing price	€	36.28	47.16	38.00	43.94	54.39	48.04	58.94	56.17	91.86	62.46
Highest price	€	38.80	48.78	58.10	49.37	57.41	57.77	62.30	58.94	91.86	96.94
Lowest price	€	22.46	34.40	37.60	38.41	42.33	47.19	48.04	45.25	55.26	61.56
Annual performance (incl. dividend)	%	21.1	33.2	-16.8	18.9	26.6	-9.4	25.5	-2.4	66.2	-30.4
Earnings per share (basic)	€	1.60	2.86	2.62	2.59	2.40	2.54	3.00	4.07	3.57	5.13
Dividend per share <sup>1</sup>	€	1.15	1.25	1.25	1.25	1.25	1.35	1.35	1.50	1.50	2.00 <sup>1</sup>
Dividend yield on Dec. 31 <sup>1</sup>	%	3.2	2.7	3.3	2.8	2.3	2.8	2.3	2.7	1.6	3.2 <sup>1</sup>
Payout ratio <sup>1</sup>	%	70.8	44.0	48.0	48.5	52.2	53.1	45.1	36.9	42.0	39.0 <sup>1</sup>
Price-earnings ratio		22.7	16.5	14.5	17.0	22.7	18.9	19.6	13.8	25.7	12.2
Average trading volume per day (XETRA)	number	163,070	160,634	190,671	156,604	118,554	100,101	151,188	173,666	173,015	160,367
Market capitalization on Dec. 31	€ million	3,333	4,335	3,494	4,052	5,020	4,436	5,443	5,192	8,494	5,776
Total number of shares on Dec. 31	million	91.9	91.9	92.0	92.2	92.3	92.3	92.4	92.4	92.5	92.5
Number of floating shares on Dec. 31 <sup>2</sup>	million	91.8	91.8	91.9	92.1	92.2	92.3	92.3	92.3	92.4	92.4

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<sup>1</sup> Proposed dividend for 2018 fiscal year, payout ratio EPS, not Group result <sup>2</sup> W/o treasury shares

Share & IR Dividends Since IPO





Share & IR

# 2019 Dates





### Share & IR

# Contacts





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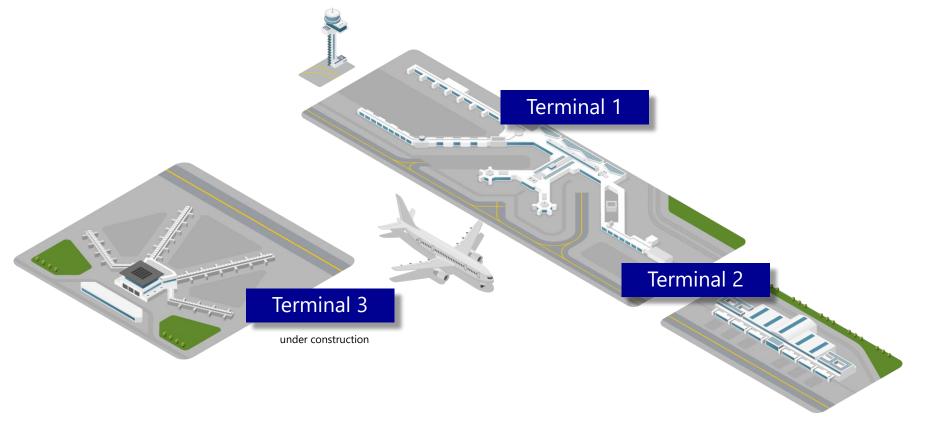


Dilyana Sirakova d.Sirakova@fraport.de Financial Reporting I +49 (0)69 690 74845

# Frankfurt Airport

# Frankfurt Airport Terminal Infrastructure





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