

#### **LUFTHANSA GROUP**

# Lufthansa Cargo **Investor Presentation** January 2023

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#### Third Quarter 2022 Results

Operational update and financial outlook

Appendix

# Group generates high profits and strong free cash flow in the third quarter

(in EUR million)	Q3 '22	Q3'21	9M '22	9M '21
Revenues	10,068	5,207	23,893	10,978
Operating expenses	9,629	5,415	24,593	13,685
Of which fuel	2,475	752	5,613	1,444
Of which staff	2,162	1,510	5,894	4,200
Of which depreciation	574	559	1,702	1,684
Adjusted EBITDA	1,706	810	2,636	60
Adjusted EBIT	1,132	251	934	-1,624
EBIT	1,126	-9	826	-2,123
Net income	809	-72	484	-1,877
Adjusted free cash flow	410	43	3,312	-528

# Passenger Airlines: Loads on pre-crisis level and record-high yields drive return to profits

⊚ <mark>/+</mark> ≲∕∰	or Or	perational KPI	S	Adjusted EB	IT in EUR million	Comments
	Q3 '22	vs. 2021	vs. 2019			Seat load factor almost at 2019 leve
ASK	77,690m	+55.7%	-22.0%			<ul> <li>Yield strength driven by intercontinental business, in particular the Transatlantic</li> </ul>
SLF	86.1%	+17.3pts	-0.2pts	700		<ul> <li>Result burdened by c. EUR 70m</li> </ul>
Yield	9.6€c	+24.7%	+22.5%	709		impact from strikes, irregularity cost amount to EUR 239m in the third
Short-haul		+27.8%	+11.6%			quarter
Long-haul		+28.6%	+28.9%			
RASK <sup>1</sup>	9.3€c	+35.6%	+15.6%		-193	
CASK <sup>2</sup>	5.6€c	-5.3%	+9.5%	Q3 '22	Q3 '21	

<sup>1</sup> Excl. currency <sup>2</sup> Excl. currency excl. fuel

# Profits in Logistics and MRO reach new record levels



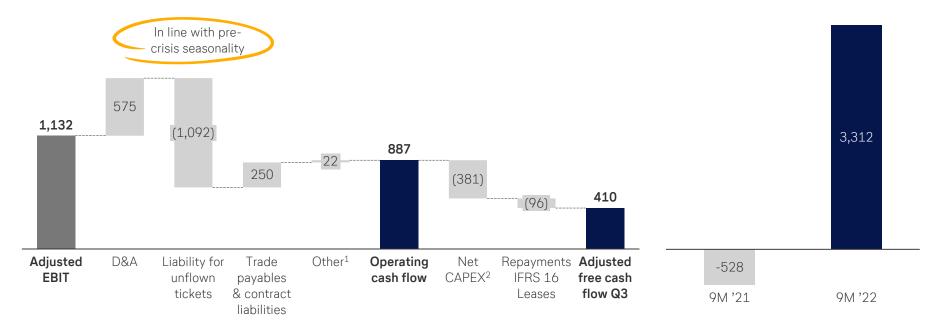
#### Comments

- Cargo yields up year-on-year, driven by still significantly reduced capacity compared to 2019 and resilient demand
- Strong demand, good success in passing through cost inflation to customers and US dollar strength support performance in MRO
- LSG achieves positive result despite still slow recovery in Asia
- Non-recurrence of prior year shorttime work subsidies in Group functions burdens result in 'Others'

Operating profit, robust booking momentum and strict working capital management drive positive free cash flow despite seasonal headwinds

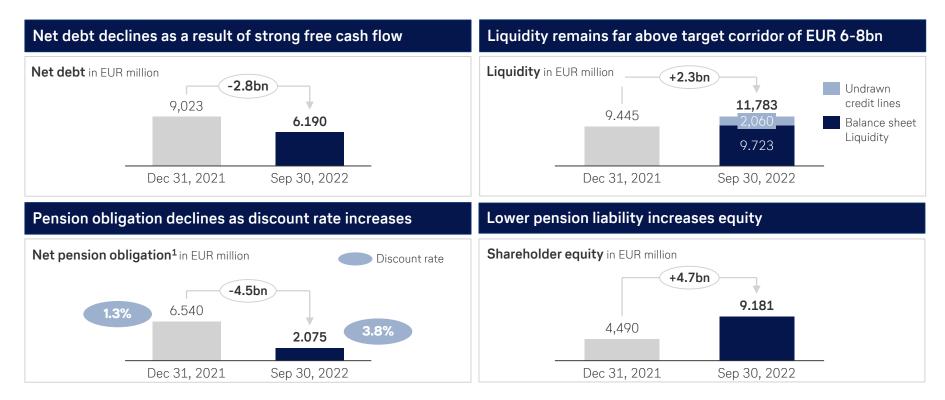
Q3 Adjusted EBIT / Adjusted free cash flow in EUR million

**9M Adjusted free cash flow** in EUR million



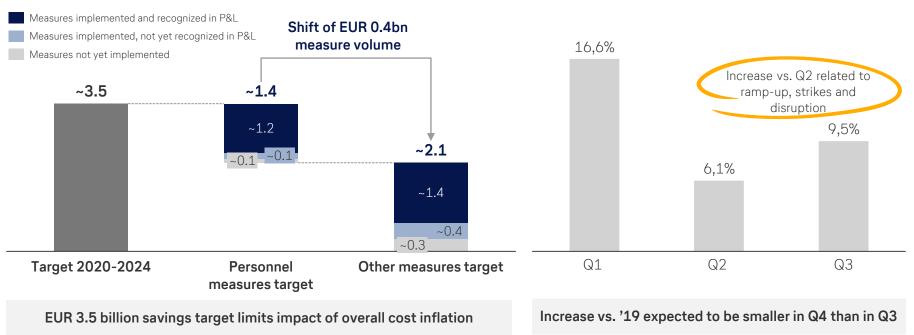
 $^1$  Incl. other non-cash items, remaining TWC, change in other assets & liabilities, tax  $^2$  Excl. EUR 9m effect from equity investments

# Net debt reduced significantly, liquidity and equity rise



<sup>1</sup> Incl. surplus of EUR 485m related to pension plan in CH on September 30, 2022 (December 31, 2021: EUR 136m), which may not be netted according to IFRS.

# Structural cost reductions contribute to the mitigation of cost inflation



CASK<sup>1</sup> 2022 vs. 2019

Targeted sustainable cost savings 2020 - 2024 in EUR billion

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<sup>1</sup> Excl. currency excl. fuel

# Financial hedging reduces the effects from price volatility and enables passthrough of cost increases to customers

#### Fuel hedging



24 months layer hedging strategy, using option structures and Jet Crack swaps

#### Operational USD hedging



24 months layer hedging strategy, target to hedge ~60% of net operating exposure with forwards

		Q4	FY23
Crude eil	Hedge ratio (options)	64%	50%
Crude oil Break-even (\$/bbl)		77	89
Jet crack	Hedge ratio (swaps)	38%	32%
JELCIACK	Average strike (\$/bbl)	37	33

	Q4	FY23
Net exposure (USD in bn)	1.3	6.2
Hedge ratio	76%	37%
Average rate	1.05	1.09

#### FY22 fuel expense expected to amount to c. EUR 7.6 billion<sup>1</sup>

FY22 hedge result forecast to amount to ~EUR 240 million

<sup>1</sup> As of 20 October 2022, including existing hedges and assuming an average crude oil future of USD 91/bbl, an average jet crack of USD 36/bbl and average 2022 EUR/USD rate of 1.02. See presentation appendix for detailed sensitivity analysis.

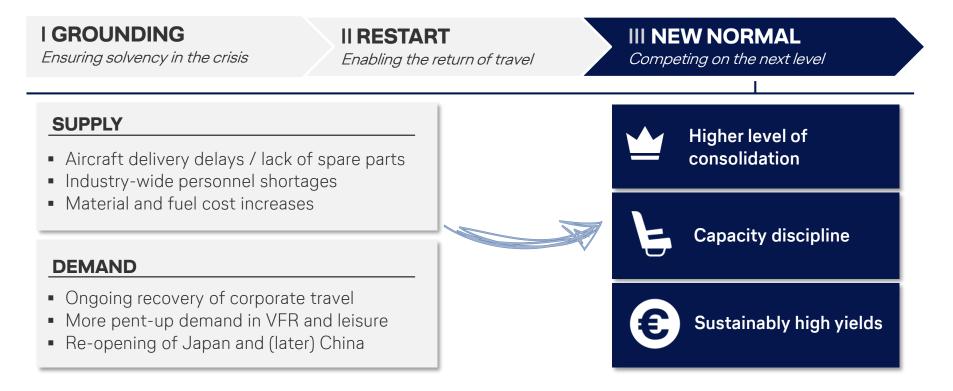
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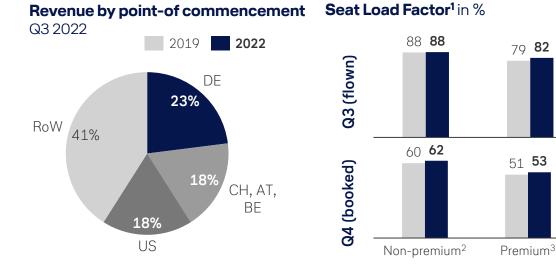
Appendix



# Industry-wide supply limitations will support financial performance in the New Normal



Group well positioned to take advantage of favorable supply/demand dynamics in the European aviation industry



#### Comments

- Group benefits from high flexibility to adjust the offer based on regional and segment-specific trends
- Booked load factors in Q4 above 2019 levels
- Current bookings imply Q4 yield increase versus 2019 at Q3 levels

Diversified customer base and resilient demand across premium and non-premium drive strong booking outlook for the fourth quarter

<sup>1</sup> For Group Airlines excl. Eurowings

<sup>2</sup> Non-premium classes incl. Premium Economy and Economy

<sup>3</sup> Premium classes incl. First and Business

# Improved relationships with labor unions led to the conclusion of 11 agreements since August 2022

11 CLAs concluded with 1	New prospects for future employees					
😪 Lufthansa	Cockpit (interim), Ground, Cabin	Number of	f Group emp	loyees		
✓ Lufthansa CityLine	Ground	138k		$\langle$	Hiring focuse operations, MRC	) and IT
<b>SWISS</b>	Cockpit, Ground		105k	108k	~7k	~115k
Austrian 🗡	Cockpit & Cabin, Ground					
Eurowings (Europe)	Cockpit & Cabin – ES and AT					
<b>Aero<u>Logic</u></b>	Cockpit	Dec 31, 2019	Dec 31, 2021	Sep 30, 2022	Net addition planned	Dec 31, 2023e

# Overview of Deutsche Lufthansa AG labor agreements



#### Ver.di (Ground personnel)

- Agreement until December 2023
- Agreement terms:
  - Fixed salary increase of EUR 200 from July 2022
  - 2.5% increase (min. EUR 125) from January 2023 and again from July 2023
- Agreement covers ~20,000 ground staff in Germany with personnel costs of ~EUR 1.2bn p.a.

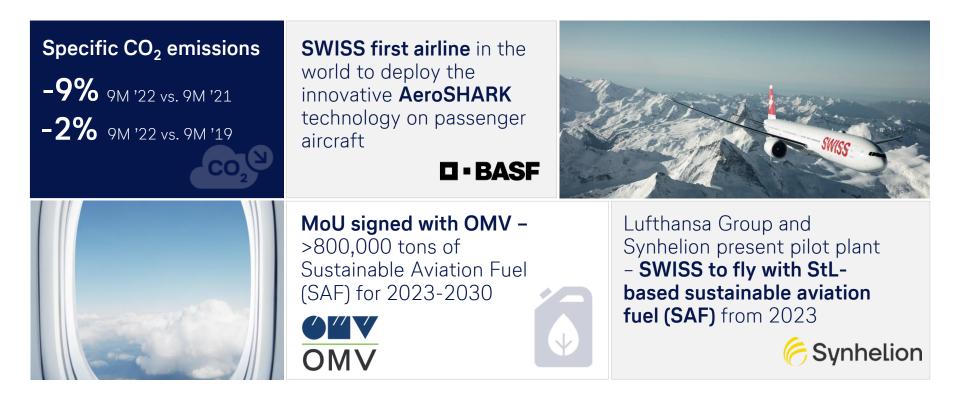


- Agreement until June 2023
- Agreement terms:
  - Fixed salary increase of EUR 490 each in August 2022 & April 2023
- Agreement covers ~5,500 pilots at the German mainline and at Lufthansa Cargo with personnel cost of ~EUR 1.1bn p.a.



- Agreement until December 2023
- Agreement terms:
  - Fixed salary increase of EUR 250 from January 2023
  - 2.5% increase from July 2023
- Agreement covers ~19,000 cabin crew at the German mainline with personnel costs of EUR 1.2bn p.a.

# The Group continues to execute its plan to make flying more sustainable



# Lufthansa Group scores well in relevant sustainability rankings

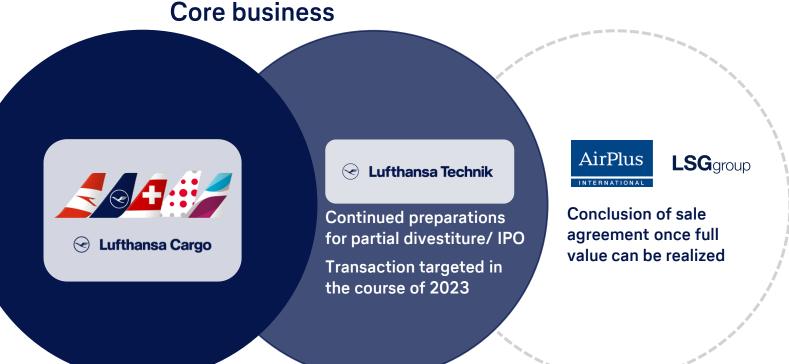
MSCI ESG RATINGS	•	<ul> <li>Improvement from BBB (2017-2020) to AA (2022) due to strong business ethics practices</li> <li>Leader among 16 companies in the airline industry</li> <li>Robust carbon reduction efforts</li> <li>Labor management: unions protest</li> <li>Product safety and quality: lawsuits refunds and criticism</li> </ul>
SUSTAINALYTICS 27.5	0	<ul> <li>Above-industry average</li> <li>Strong corporate governance performance</li> </ul>
Medium Risk	0	<ul> <li>Medium exposure to human capital risk (large workforce, difficult labor relations, controversies)</li> <li>High exposure on own carbon emissions</li> </ul>
	0	<ul> <li>Above average disclosure of CO<sub>2</sub> footprint (A rating), Corporate Governance</li> </ul>
	0	<ul><li>Value chain engagement</li><li>Lack of progress in reducing emissions</li></ul>
Viceo . •• 43	0	<ul><li>In top half in the sector</li><li>Particularly good environmental management</li></ul>
Score on 100	0	<ul> <li>Local pollution, health &amp; safety, management of social risks in value chain</li> <li>Transparency in tax payments</li> </ul>

# Lufthansa launches biggest ever product and service campaign





# Portfolio management aims at maximizing the value of the Group and its businesses



Group expects to return to strong profits and to generate significant cash in FY 2022

	2022 Forecast	2024 Targets
Capacity (ASK)	<b>FY: c.75%</b> of 2019 levels <b>Q4: c.80%</b> of 2019 levels	Adjusted EBIT margin: <b>At least 8%</b>
Adjusted EBIT	Around EUR 1.5bn	Adjusted ROCE (excl. cash): <b>At least 10%</b>
Adjusted free cash flow	Above <b>EUR 2bn</b>	
Net CapEx	c. <b>EUR 2.5bn</b>	

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# **Appendix** - supplementary information-



# Traffic Data

		6M	vs.2019	Jul	vs.2019	Aug	vs.2019	Sep	vs.2019	Q3	vs.2019	9M	vs.2019
	Passengers in 1,000	42,382	-38.6%	11,208	-23.3%	11,257	-20.6%	10,875	-22.2%	33,340	-22.0%	75,722	-32.2%
	Available seat-kilometers (m)	115,617	-33.8%	26,096	-22.8%	26,589	-20.8%	25,005	-22.4%	77,690	-22.0%	193,307	-29.5%
	Revenue seat-kilometers (m)	85,942	-39.1%	22,951	-21.9%	22,785	-22.2%	21,191	-22.5%	66,927	-22.2%	152,868	-32.7%
Total Lufthansa	Passenger load-factor (%)	74.3	-6.5pts	87.9	+1.0pts	85.7	-1.6pts	84.7	-0.1pts	86.1	-0.2pts	79.1	-3.8pts
Group Airlines	Available Cargo tonne-kilometers (m)	6,667	-22.0%	1,293	-15.5%	1,248	-18.0%	1,248	-16.0%	3,789	-16.5%	10,456	-20.1%
	Revenue Cargo tonne-kilometers (m)	4,251	-19.2%	726	-19.2%	671	-24.9%	708	-20.5%	2,104	-21.5%	6,355	-20.0%
	Cargo load-factor (%)	63.8	+2.2pts	56.1	-2.6pts	53.7	-4.9pts	56.7	-3.2pts	55.5	-3.6pts	60.8	+0.1pts
	Number of flights	370,430	-36.2%	79,342	-28.7%	84,611	-22.0%	81,220	-25.4%	245,173	-25.4%	615,603	-32.3%

## Operating KPIs of Passenger Airlines by region vs. 2019 (unless stated otherwise)

Total	Q3'22	9M '22
Number of flights	-25.4%	-32.3%
ASK	-22.0%	-29.5%
RPK	-22.2%	-32.7%
SLF	-0.2pts.	-3.8pts.
Yield	+22.5%	+13.5%
Yield vs 2021	+24.7%	+18.9%
Yield ex currency vs 2021	+18.6%	+14.2%
RASK	+20.6%	+11.0%
RASK ex currency vs 2021	+36.1%	+30.3%
CASK ex. fuel, ex. emissions cost	+14.2%	+12.4%
CASK ex. fuel, ex. emissions cost vs 2021	-1.1%	-22.5%
CASK ex currency, ex fuel, ex emissions cost vs 2021	-5.3%	-25.2%

Europe	Q3'22	9M '22
ASK	-11.6%	-20.2%
RPK	-10.9%	-21.0%
SLF	+0.6pts.	-0.8pts.
RASK excl. currency <sup>1</sup>	+8.3%	-1.4%

Americas	Q3'22	9M '22
ASK	-19.6%	-24.8%
RPK	-18.9%	-29.2%
SLF	+0.7pts	-5.1pts
RASK excl. currency <sup>1</sup>	+20.3%	+6.0%
North America	+18.5%	+4.1%
South America	+27.3%	+13.3%

Asia / Pacific	Q3'22	9M '22
ASK	-58.1%	-65.3%
RPK	-59.2%	-68.5%
SLF	-2.4pts.	-8.0pts.
RASK excl. currency <sup>1</sup>	+35.3%	+14.1%

Middle East / Africa	Q3'22	9M '22
ASK	0.8%	-9.7%
RPK	-0.7%	-13.1%
SLF	-1.2pts.	-3.0pts.
RASK excl. currency <sup>1</sup>	+14.0%	+5.2%

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<sup>1</sup> Regional RASK are based on regional traffic revenues only

# Calculation of operational airline KPIs

#### Passenger Airlines, 9M 2022

1) Traffic revenues (€m)	14,899
2) Not assignable (€m)	1317
= 3) Basis for Yield (1)-(2) (€m)	13,582
4) RPK (m) <sup>1</sup>	152,868
Yield (3/4)*100 (€c)	8.9
	2) Not assignable (€m) = 3) Basis for Yield (1)-(2) (€m) 4) RPK (m) <sup>1</sup>

	1) Total Revenues (€m)	16,450
	2) Other operating income (€m)	695
×	3) Reversal of provisions (€m)	82
RASK	4) FX losses (€m)	-350
È	= 5) Basis for RASK (1)+(2)-(3)+(4) (€m)	16,713
	6) ASK (m) <sup>2</sup>	193,307
	RASK (5/6)*100 (€c)	8.6

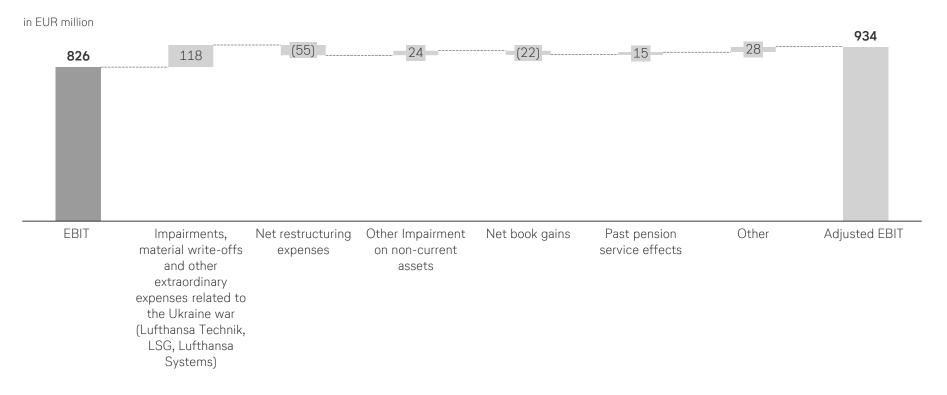
	1) Total operating expenses (€m)	-17,652
CASK	2) Reversal of provisions (€m)	82
	3) FX losses (€m)	-350
	4) Fuel expenses (€m)	-5,248
	5) Emission Trading (€m)	-96
	= 6) Basis for CASK (1)+(2)-(3)-(4)-(5) (€m)	-11,876
	7) ASK (m) <sup>2</sup>	193,307
	CASK –(6)/(7)*100 (€c)	6.1

#### <sup>1</sup> RPK: Revenue Passenger Kilometers, <sup>2</sup> ASK: Available Seat Kilometers

# Group P&L

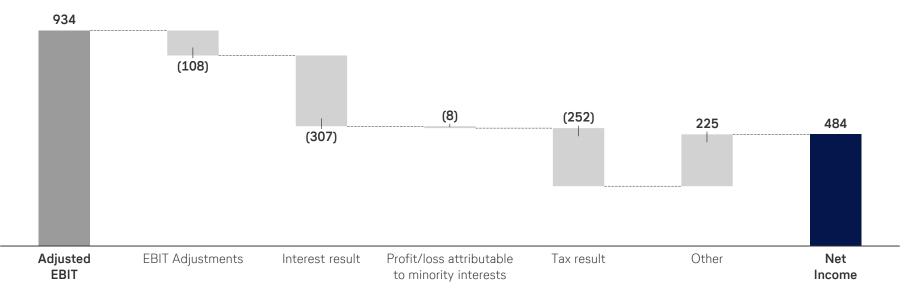
Lufthansa Group (in EUR m)	Q3 '22	vs. Q3 '21	9M '22	vs. 9M '21
Revenues	10,068	+93.4%	23,893	+117.6&
Total operating income	10,708	+91.0%	25,526	+111.6%
Operating expenses	9,629	+77.8%	24,593	+79.7%
Of which fees & charges	1,076	+53.5%	2,753	+98.1%
Of which fuel	2,475	+229.1%	5,613	+288.7%
Of which staff	2,162	+43.2%	5,894	+40.3%
Of which depreciation	574	+2.7%	1,702	+1.1%
Result from equity investments	53	-13.1%	1	nmf.
Adjusted EBIT	1,132	+351.0%	934	nmf.
Adjusted EBIT Margin	11.2%	+6.4pts.	3.9%	+18.7pts.
Adjustments	-6	+97.7%	-108	+78.4%
EBIT	1,126	nmf.	826	nmf.
Net interest income	-95	+20.2%	-307	+7.5%
Other financial items	47	+6.8%	225	+64.2%
EBT	1,078	nmf.	744	nmf.
Income taxes	-265	nmf.	-252	nmf.
Profit / loss attributable to minority interests	-4	nmf.	-8	nmf.
Net income	809	nmf.	484	nmf.

# EBIT / Adjusted EBIT bridge 9M 2022



# Adjusted EBIT / Net Income 9M 2022

#### in EUR million



# Adjusted EBIT by Airline

Adjusted EBIT (in EUR m)	Q3 '22	Q3 '21	Change in %	9M '22	9M '21	Change in %
Lufthansa German Airlines	224	-320	nmf.	-574	-1,893	+69.7%
SWISS	234	5	nmf.	279	-378	nmf.
Austrian Airlines	110	2	nmf.	4	-196	nmf.
Brussels Airlines	52	2	nmf.	-37	-141	+73.8%
Eurowings	103	108	-4.6%	-136	-143	+4.9%
Passenger Airlines	709	-193	nmf.	-491	-2,758	+82.2%

### Cash flow statement

Lufthansa Group (in m EUR)	9M'22	vs. 9M '21
EBT (earnings before income taxes)	744	+3,062
Depreciation & amortization (incl. non-current assets)	1,709	+15
Net proceeds from disposal of non-current assets	-20	-35
Result of equity investments	16	+13
Net interest	307	-25
Income tax payments/reimbursements	-34	+18
Significant non-cash-relevant expenses / income	-373	-127
Change in trade working capital	2,559	+1,642
Change in other assets / liabilities	420	+252
Operating cash flow	5,328	+4,815
Capital expenditure (net)	-1,753	-968
Free cash flow	3,575	+3,847
Adjusted free cash flow	3,312	+3,840
Cash and cash equivalents as of 30.09.22 $^{1}\mbox{less}$ assets held for sale	2,441	+357
Current securities	7,276	+2,123
Total Group liquidity	9,717	+2,480

Contains increase in unflown tickets liability of EUR 2,236m

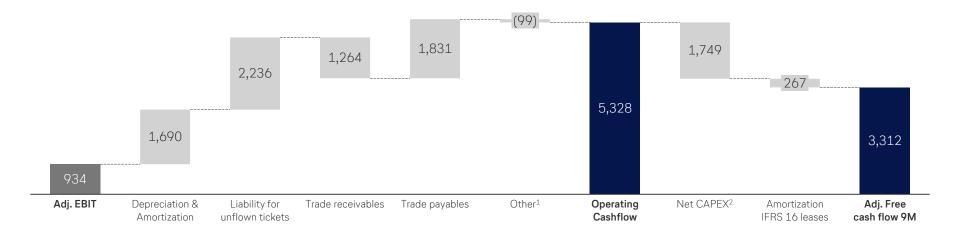
Includes staff related accrued expenses of EUR 366m payments

2

1
2

<sup>1</sup> Excl. fixed-term deposits with terms from three to twelve months (2022: EUR 6 million, 2021: EUR 21 million

# Adjusted EBIT / FCF bridge 9M 2022



# Fuel cost hedging

#### Expected fuel cost sensitivity after hedging (FY 2022)<sup>1</sup>

2	116—						
e oil	106—	7,5500	7,600	7,650	7,650	7,700	
nde	96	7,550	7,550	7,600	7,600	7,650	
e cr	86—	7,7500	7,500	7,550	7,600	7,600	
oric	76—	7,450	7,450	7,500	7,550	7,550	
iet p	70 <u> </u>	7,400	7,400	7,450	7,450	7,500	
ø Market price crude oil <sup>2</sup>							
2 Ø		24 2	9 3	4 3	8 4	4 4	9
					2		
			Ø Marke	t price Je	t Crack <sup>3</sup>		
Q4 FY 2022							
Jet fuel volume (mTons) 2.0 <b>7.6</b>							

#### Hedging portfolio excl. Cargo as of September 30, 2022

	Q4	FY 2023
Hedge ratio Crude (%)	64	50
Break-even price (USD/bbl)	77	89
Hedge ratio Crack <sup>4</sup> (%)	38	32

#### Hedging limits the cost increase to be further compensated by increased yields in 2023

<sup>1</sup> As of 20 October 2022, including existing hedges and assuming an average 2022 EUR/USD forward rate of 1.02 <sup>2</sup> Average 2022 Brent ICE Crude oil future in USD/barrel (20.10.2022; 91 USD/bbl)

<sup>3</sup> Average 2022 Jet Crack (20.10.2022: 36 USD/bbl) assuming constant Jet differentials

<sup>4</sup> Hedges on basis of Jet and Gasoil derivatives

# Hedging of USD exchange rate risk

**Operative** | USD net exposure hedged with a 24 months layer strategy



**CAPEX |** 50% of exposure related to aircraft purchases hedged when contract is signed



- ✓ Natural hedge: 60% of USD fuel expenses offset by USD revenues
- $\checkmark$  Net exposure systematically hedged
- ✓ Targeted hedge ratio is 60%
- ✓ Hedge result booked as part of Other operating income/expenses
- Aircraft orders are constantly monitored and hedged strategically to protect the investment case
- ✓ Targeted hedge ratio is 90%
- Hedging levels for each payment are built up in multiple layers over the last 24 months before the payment date
- ✓ Hedge results are booked against assets

# Multi-Year financial overview

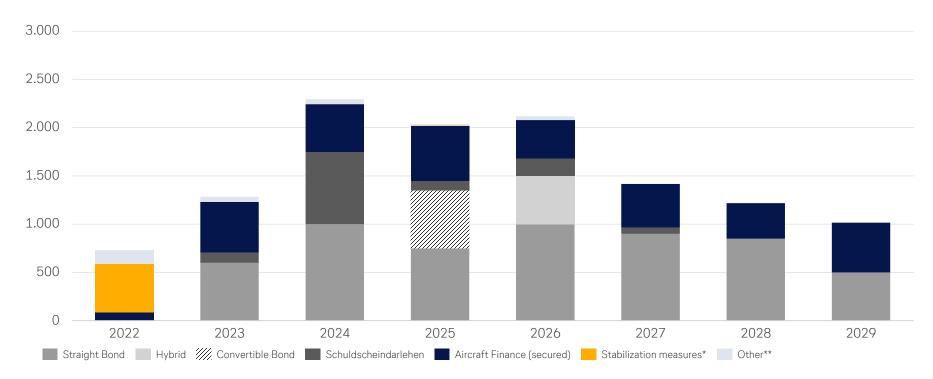
Lufthansa Group (in EUR million, as reported)	2015	2016	2017	2018	<b>2019</b> <sup>1)</sup>	2020	2021
Operating KPIs							
RASK ex currency	-3.0%	-5.9%	+1.9%	-0.5%	-2.5%	-26.7%	-6.1%
CASK ex currency, ex fuel <sup>2)</sup>	+2.4%	-2.5%	-1.8%	-1.7%	-1.5%	+84.6%	-25.8%
Profit & Loss							
Revenues	32,056	31,660	35,579	35,542	36,424	13,589	16,811
Fuel Cost	5,784	4,885	5,232	6,087	6,715	1,875	2,409
Adjusted EBIT	1,817	1,752	2,969	2,836	2,026	-5,451	-2,349
Adjusted EBIT Margin	5.7%	5.5%	8.3%	8.0%	5.6%	-40.1%.	-14.0%
Balance Sheet							
Total Assets	32,462	34,697	35,778	38,213	42,659	39,484	42,538
Net Financial Debt and Pension Liabilities	9,973	11,065	8,000	9,354	13,321	19,453	15,699
Adjusted ROCE	8.3%	7.0%	11.9%	10.6%	6.6%	-16.7%	-7.5%
Cash Flow statement							
Operating Cash Flow	3,393	3,246	5,368	4,109	4,030	-2,328	618
Capital expenditure (net)	2,559	2,108	3,251	3,859	3,448	962	1,119
Free Cash Flow <sup>3]</sup>	834	1,138	2,117	288	203	-3,669	-855

<sup>1</sup> 2019 reported figures including effects from IFRS 15 treatment of compensation payments, 2017 restated for better comparability

<sup>2</sup> Adjusted for pension effects in 2016 and 2017 as a result from the change from defined benefit to defined contribution

<sup>3</sup> Adjusted free cash flow from 2018 onwards

# Maturity profile of borrowings



\* As drawn on Sep 30- – predominantly scheduled repayment of stabilization measures of EUR 210 million from Austria and EUR 287 million from Belgium scheduled for Q4 2022 \*\* Mainly bilateral loans – does not include operating leases