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# Leading the Transformation.

Frank Witter CFO of Volkswagen AG

Deutsche Bank Conference, Frankfurt, 10 September 2019

# Disclaimer

The following presentations contain forward-looking statements and information on the business development of the Volkswagen Group. These statements may be spoken or written and can be recognized by terms such as "expects", "anticipates", "intends", "plans", "believes", "seeks", "estimates", "will" or words with similar meaning. These statements are based on assumptions, which we have made on the basis of the information available to us and which we consider to be realistic at the time of going to press. These assumptions relate in particular to the development of the economies of individual countries and markets, the regulatory framework and the development of the automotive industry. Therefore the estimates given involve a degree of risk, and the actual developments may differ from those forecast. The Volkswagen Group currently faces additional risks and uncertainty related to pending claims and investigations of Volkswagen Group members in a number of jurisdictions in connection with findings of irregularities relating to exhaust emissions from diesel engines in certain Volkswagen Group we be negatively affected by these ongoing claims and investigations remains uncertain.

Consequently, a negative impact relating to ongoing claims or investigations, any unexpected fall in demand or economic stagnation in our key sales markets, such as in Western Europe (and especially Germany) or in the USA, Brazil or China, and trade disputes among major trading partners will have a corresponding impact on the development of our business. The same applies in the event of a significant shift in current exchange rates in particular relative to the US dollar, sterling, yen, Brazilian real, Chinese renminbi and Czech koruna.

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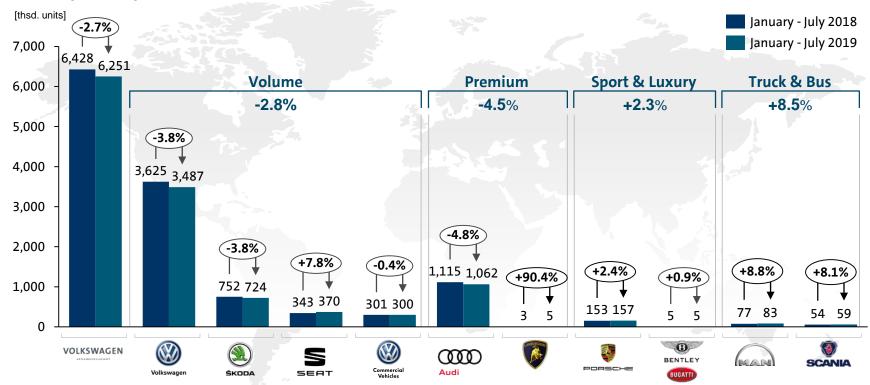


# **Development World Car Market vs. Volkswagen Group Car Deliveries to Customers**<sup>1)</sup> (Growth y-o-y in deliveries to customers, January to July 2019 vs. 2018)



<sup>1)</sup> Volkswagen Group Passenger Cars excl. Volkswagen Commercial Vehicles<sup>2)</sup> incl. LCV in North America & South America

# **Volkswagen Group – Deliveries to Customers by Brands**<sup>1)</sup> (January to July 2019 vs. 2018)



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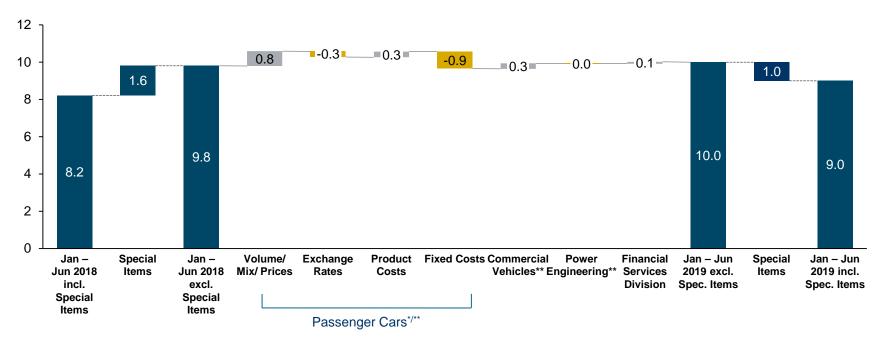
# **Volkswagen Group – Key Financial Figures** <sup>1</sup>) (January to June 2019 vs. 2018)

thousand vehicles / € million	2019	<b>2018</b> <sup>2)</sup>	+/- (%)
Vehicle Sales <sup>3)</sup>	5,339	5,575	-4.2
Sales revenue	125,197	119,377	+4.9
Operating profit before Special Items	9,979	9,794	+1.9
% of sales revenue	8.0	8.2	
Operating profit	8,997	8,160	+10.3
% of sales revenue	7.2	6.8	
Financial result	560	813	-31.1
of which: At-equity result <sup>4)</sup>	1,599	1,680	-4.9
of which: Other financial result	-1,039	-867	-19.8
Profit before tax	9,557	8,972	+6.5
% Return on sales before tax	7.6	7.5	
Profit after tax	7,168	6,613	+8.4

1) All figures shown are rounded, so minor discrepancies may arise from addition of these amounts. Including allocation of consolidation adjustments between the Automotive and Financial Services divisions. 2) Prior-year figures were adjusted due to IFRS 3) Volume data including the unconsolidated Chinese joint ventures. (4) The joint venture companies in China are accounted for using the equity method and recorded an operating profit (proportionate) of €2,103 million (€2,318 million).

#### **Volkswagen Group – Analysis of Operating Profit**<sup>1)</sup> (January to June 2019 vs. 2018)

[€ billion]

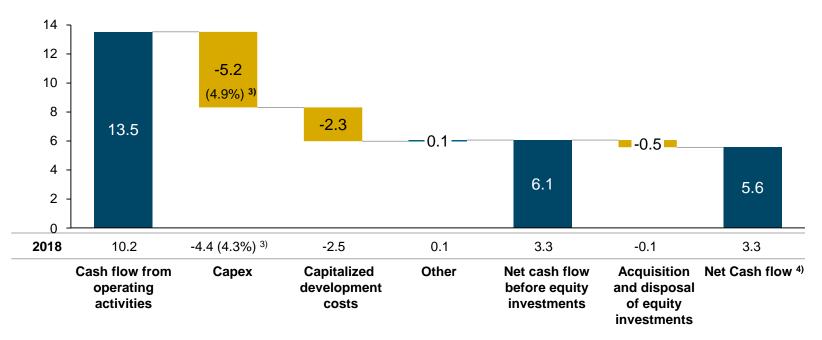


<sup>1)</sup> All figures shown are rounded, minor discrepancies may arise from addition of these amounts. ') without FS ") including PPA



### Automotive Division – Net Cash Flow Development <sup>1) 2)</sup> (January to June 2019)

[€ billion]



<sup>1)</sup> All figures shown are rounded, minor discrepancies may arise from addition of these amounts. <sup>2)</sup> Including allocation of consolidation adjustments between Automotive and Financial Services divisions.

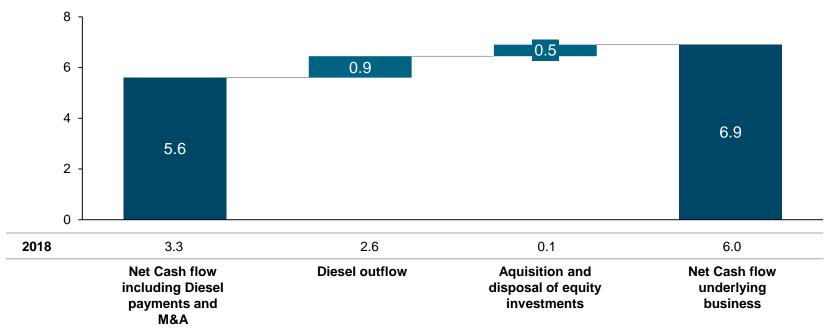
<sup>3)</sup> Capital expenditure for property, plant and equipment in% of Automotive sales revenue. <sup>4)</sup> Including Diesel payments and M&A.

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# Automotive Division – Net Cash Flow <sup>1)</sup>

(January to June 2019)

[€billion]

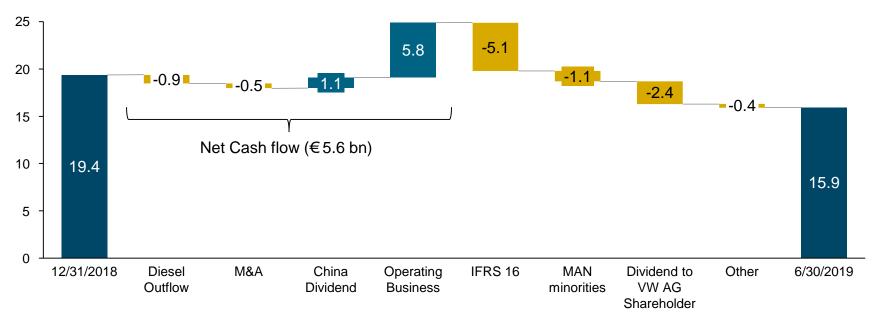


<sup>1)</sup> Including allocation of consolidation adjustments between Automotive and Financial Services divisions.



#### Automotive Division – Analysis of Net Liquidity <sup>1)</sup> (January to June 2019)

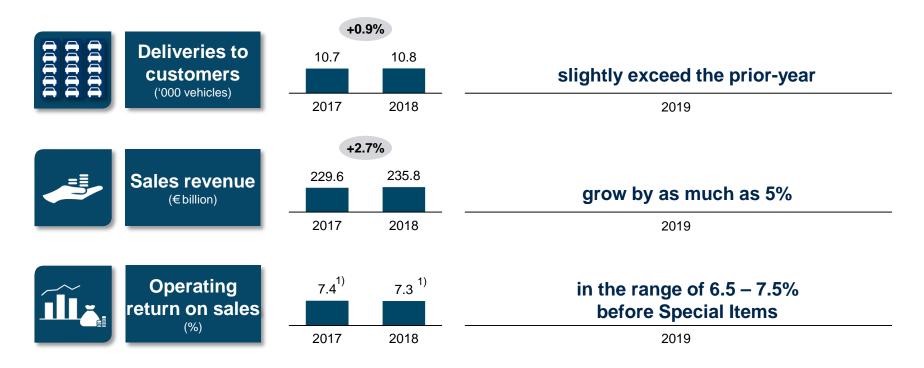
[€ billion]



<sup>1)</sup> All figures shown are rounded, minor discrepancies may arise from addition of these amounts.

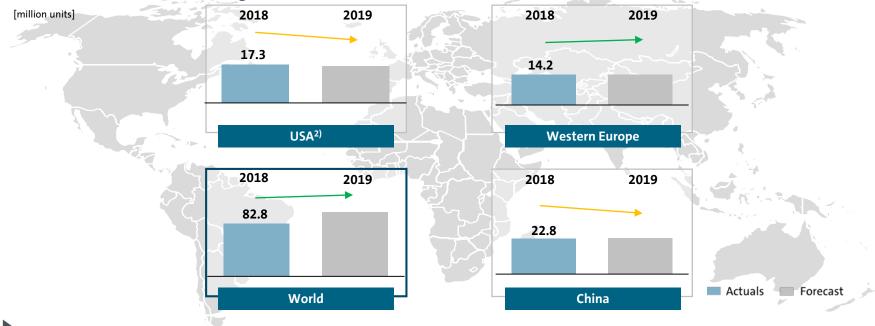
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# Volkswagen Group – Outlook for 2019



# Global Passenger Car Market 2018 – 2019<sup>1)</sup>

China remains largest driver of passenger car demand, Western Europe stable Slowdown in the US from a high level



Deliveries to customers of the Volkswagen Group in 2019 will still grow moderately amid continuously challenging market conditions.

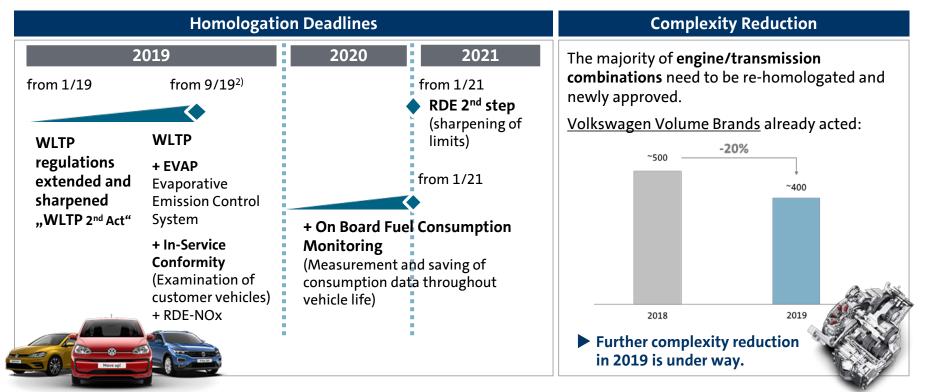
<sup>1)</sup> Internal forecast; as of June, 2019.<sup>2)</sup> Volume for North & South America includes light commercial vehicles (definition 'Light Vehicles')





#### 

# Emission requirements: WLTP<sup>1)</sup> is the "new normal"



<sup>1)</sup> Worldwide Harmonized Light Vehicles Test Procedure <sup>2)</sup> Extended to Light Commercial Vehicles all new registrations .

# **Clear Financial Targets and Milestones**<sup>1)</sup>

Key financial targets	2016	2017	2018	2019 Targets	2020 Targets	2025 Targets
Operating return on sales Before Special Items	6.7%	7.4%	7.3%	6.5-7.5%	6.5-7.5%	7-8%
<b>Return on investment</b> Automotive Division <u>before</u> Special Items	13.9%	14.4%	13.1%	12-14%	13-15%	> 15%
<b>Capex ratio</b> Automotive Division	6.9%	6.4%	6.6%	6.5-7.0%	6%	6%
<b>R&amp;D cost ratio</b> Automotive Divison	7.3%	6.7%	6.8%	6.5-7.0%	6%	6%
<b>Cash</b> a) Net Cashflow <sup>2)</sup> Automotive Division	€ 4.9 bn € 27.2 bn	€ 10.3bn € 22.4 bn	€ 5.6 bn € 19.4 bn	≥€9bn ≥€15bn <sup>3)</sup>	≥€10 bn >€20 bn	> € 10 bn ~10% of Group
b) Net Liquidity	€ 27.2 DN	€ 22.4 DN	€ 19.4 DN	2€12DU <sub>2</sub>	7 E 20 DN	turnover

<sup>1)</sup> As of 19th March, 2019. <sup>2)</sup> Ex diesel payments and M&A; cash outflows of around € 3 bn in 2016, € 16.1 bn in 2017 and € 5.3 bn in 2018. <sup>3)</sup> Including the negative one-off IFRS 16 impact, effective from 1st January, 2019.

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# **Overview Brand Targets (RoS, RoE)**

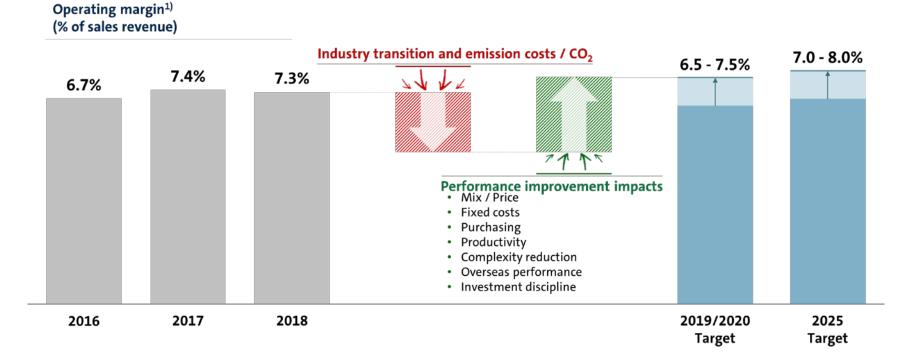
Return on Sales in % <sup>1)</sup>	<u>2016</u>	<u>2017</u>	<u>Target 2018</u>	<u>2018</u>	<u>Target 2019</u>	<u>Target 2020</u>	<u>Target 2025</u>
Volkswagen Group	6.7	7.4	6.5-7.5	7.3	6.5-7.5	6.5-7.5	7.0-8.0
Volkswagen Brand	1.8	4.1	4-5	3.8	4-5	4-5	≥6
Audi	8.2	8.4	8-10	7.9	7.0-8.5 <sup>2)</sup>	9-11 <sup>2)</sup>	9-11 <sup>2)</sup>
Porsche Automotive	17.4	18.5	>15	17.4	>15	>15	>15
ŠKODA	8.7	9.7	8-9	8.0	6-7	6-7	≥7
Volkswagen Commercial Vehicles	4.1	7.2	5-6	6.6	4-5	4-5	>6
TRATON Group <sup>3)</sup>	5.4	6.0	-	6.4	6.5-7.5	Over the cycle	target of 9% <sup>4)</sup>
<b>Return on Equity</b> (norm. 8%)	<u>2016</u>	<u>2017</u>	<u>Target 2018</u>	<u>2018</u>	<u>Target 2019</u>	<u>Target 2020</u>	<u>Target 2025</u>
Volkswagen Financial Services	15.6	15.8	14-16	15.8	14-16	14-16	20

<sup>1)</sup> Before special items. <sup>2)</sup> Effective 01/2019, operating return based on adjusted sales revenue without turnover from multi-brand sales companies. <sup>3)</sup> Incl. Scania Financial Services I Adj. Return on Sales for 2016 / 2017 / 2018 4) Strategic target TRATON Group wants to achieve over-the-cycle, incl. holding costs and consolidation effects.

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# Improving Group Return on Sales despite significant headwinds



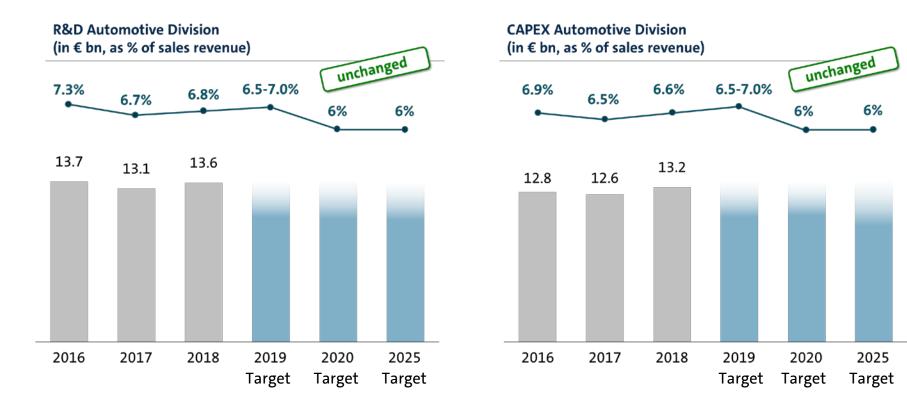


# Securing Group KPI's: Profit Improvement programs



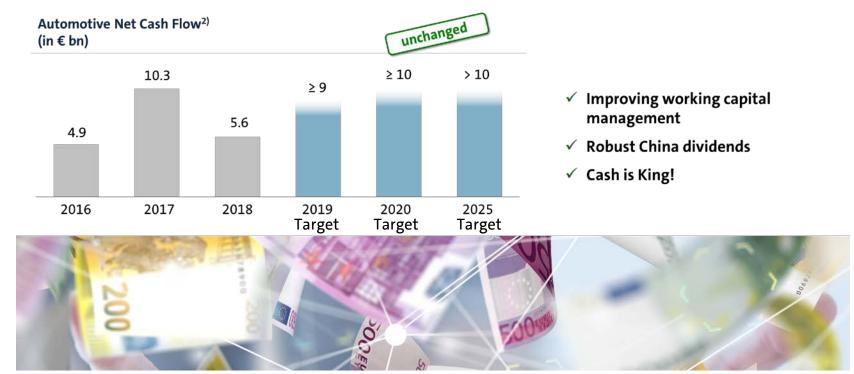


# **Discipline: Maintaining R&D and CAPEX Targets**



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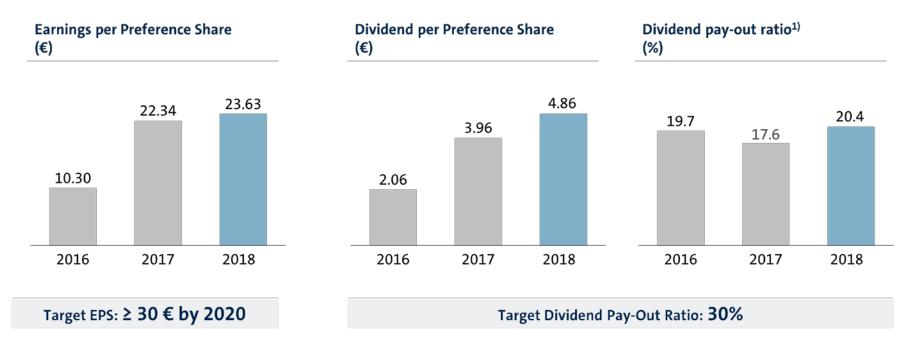
# Generate cash (1): Self funding 1)



 $^{1)}$  Incl. allocation of consolidation adjustments between Automotive and Financial Services divisions.  $^{2)}$  Before Diesel related outflows and M&A.

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# **Generate Cash (2): Attractive Dividend**



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# **STRATEGY 2025 – Initiatives at a glance**



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Transform core business **Build mobility** solutions business



Develop and expand attractive and profitable smart mobility offering



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Optimize business portfolio



Build mobility solutions business





Secure funding

Create organization 4.0



# **Enhanced Strategy: Together 2025+**

**Together 2025** 

2016

- Accelerating industry changes
- New Group structure
- Leadership changes on board level



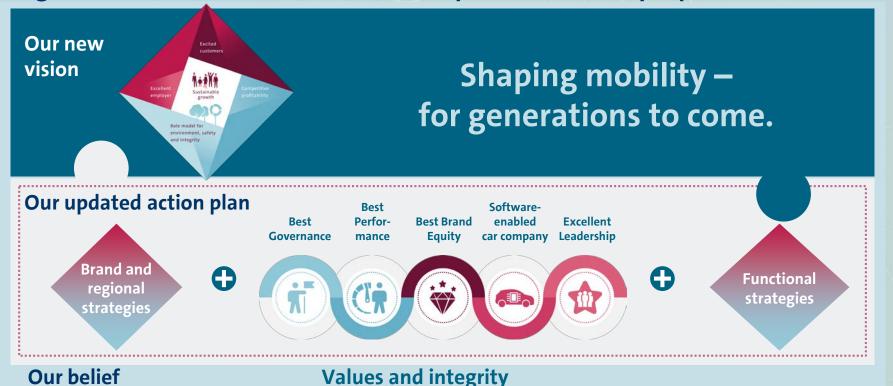
2018

#### 2019

#### **Continuation of strategic direction**

- Increase focus and speed
- New purpose-driven vision: Shaping mobility – for generations to come

## Together 2025+ : Increased focus and speed towards a purpose-driven vision



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## Investing heavily in our transformation



Up to the end of <u>2023</u>: We will be putting more than **€44 bn** into our mobility for the future: there of € 30bn in e-mobility and rest in digitalization, autonomous driving and mobility services.

Amounts to roughly one third of total expenditure for the years 2019-2023. Up to the end of <u>2023</u>: Two thirds of total expenditure are being put into the **conventional vehicle and drive portfolio** in order to meet the CO2 requirements.



On top, up to the end of **2023**: Volkswagen Group and its **joint-venture partners** in **China** will be making around **€15** bn available for e-mobility, autonomous driving, digitalization and new mobility services.



Volkswagen and Northvolt AB form joint venture (50/50) for battery production

Goal is to build a factory for lithium-ion batteries in Salzgitter (Lower Saxony)

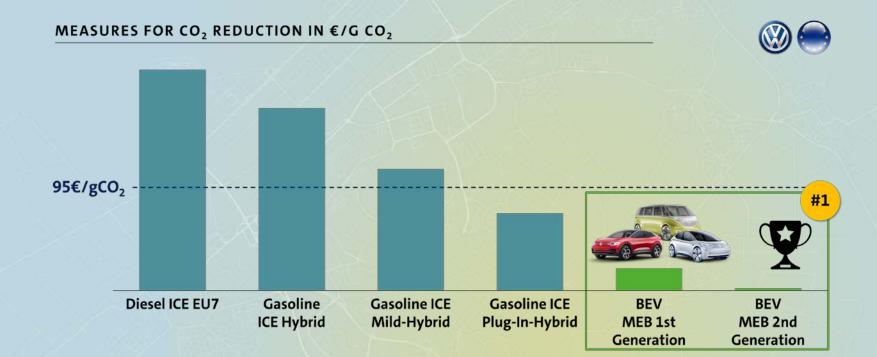
Investments of around €0.9 bn planned to set up battery cell production facility

As of 6<sup>th</sup> September, 2019.

As of 19th November, 2018.



BEVs are First choice as the most cost efficient solution for CO<sub>2</sub> reduction



Scalable Technology: The dedicated platforms (MEB/PPE) guarantee superior customer experience, scale and versatility



Long wheelbase short overhangs



Spacious interior for driver & passengers



or rs No center tunnel



Various bodystyles

Central computing unit

Π



Big wheels



Trunk volume ~ ICE



Rear-wheel & four-wheel drive

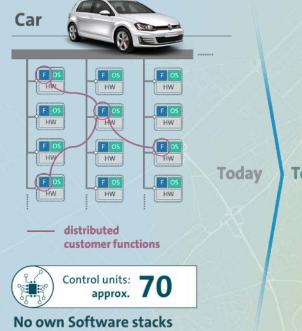


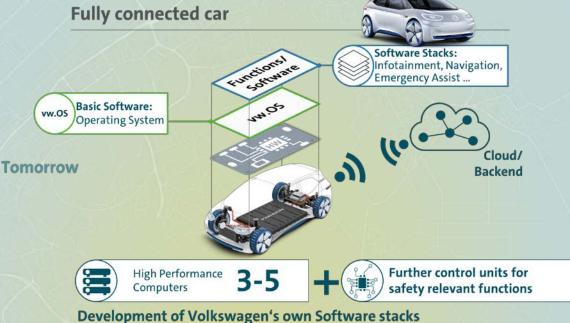
New Design





# The car becomes the most complex internet device







Expanding production of electric vehicles worldwide on a massive scale by the end of 2022



Huge worldwide BEV offensive on the way to CO2 neutrality by 2050

BEV worldwide (in million) based on expected Group deliveries to customers

Roadmap*E* 





## Volkswagen is gathering momentum with the first MEB vehicle ID.3 A new era begins

ID.3 will come with ranges from 330 to 550 kilometers (WLTP) and starting price of under €30,000 in Germany

#### Pre-booking of special edition ID.3 1st:

Already ca. 30,000 registrations with an excellent customer response

- limited to 30,000 vehicles
- range of 420 km (WLTP)
- starting price of less than €40,000 in Germany
- including charging of electric power for a year at no cost up to a maximum of 2,000 kWh
- Registration deposit is €1,000



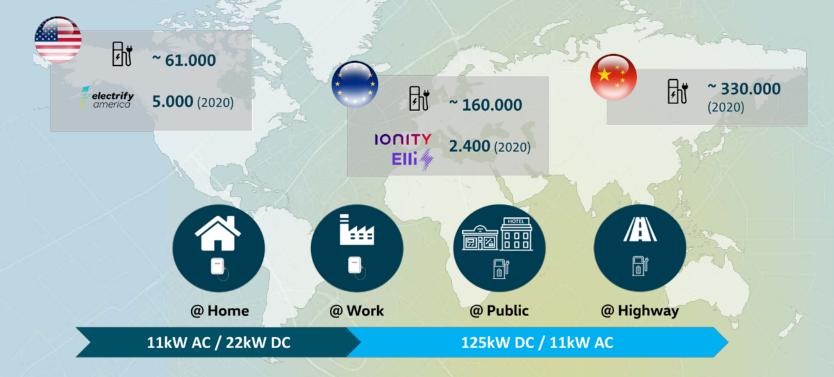


# **BEV challenges addressed by three key elements**





# The charging infrastructure: An enabler for the transformation to e-mobility



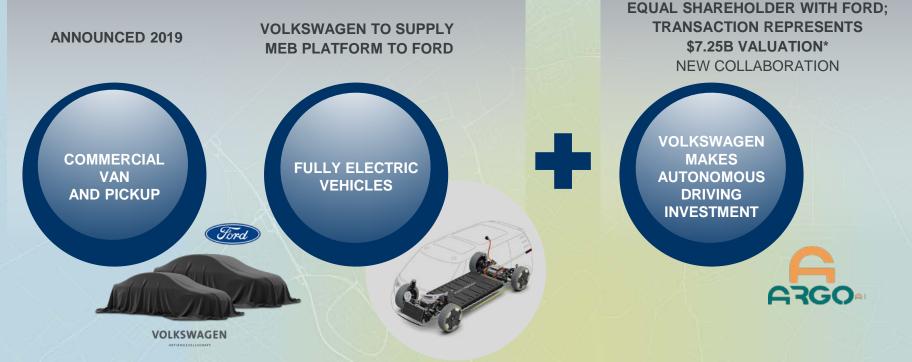


# **Driving forward Strategy: New collaborative approach**

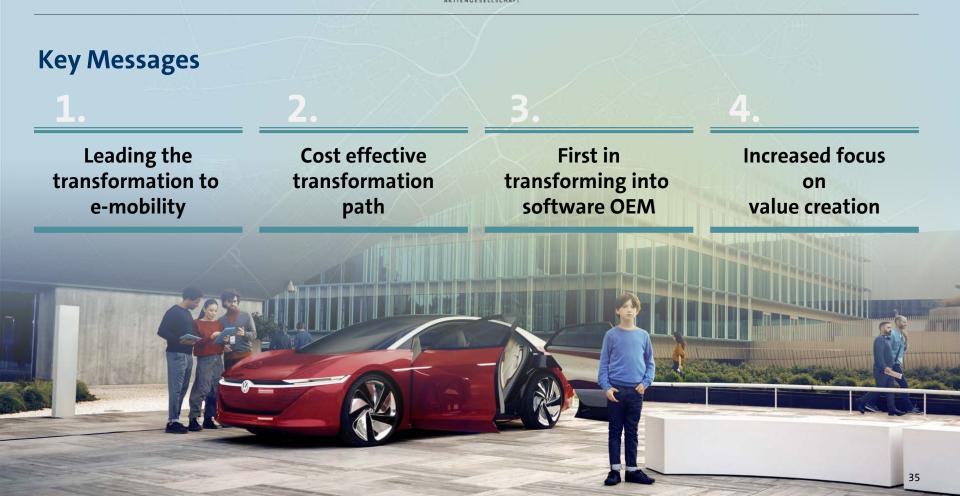


# **New Scale dimensions**

# Ford and Volkswagen extend global alliance, Volkswagen simultaneously invests in Argo Al



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# **TRATON Group – New Era for TRATON with IPO**

• TRATON shares began trading on the regulated market of the Frankfurt Stock Exchange (Prime Standard) and the regulated market of Nasdaq Stockholm (Large Cap Segment) in June 2019.

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• Significant step to create additional value for all stakeholders and drive the Global Champion strategy.



- Scale and global reach through leading brands and strategic alliance partners
- Unique platform enabling growth and positioning for best-in-class profitability

## Growth



- Customer value focused product and service offering
- New product generations
- Further expansion in key geographies

#### Profitability



- Concrete path to
  profitability improvement
- Stand-alone brand performance and synergies
- Earnings growth and cash generation potential

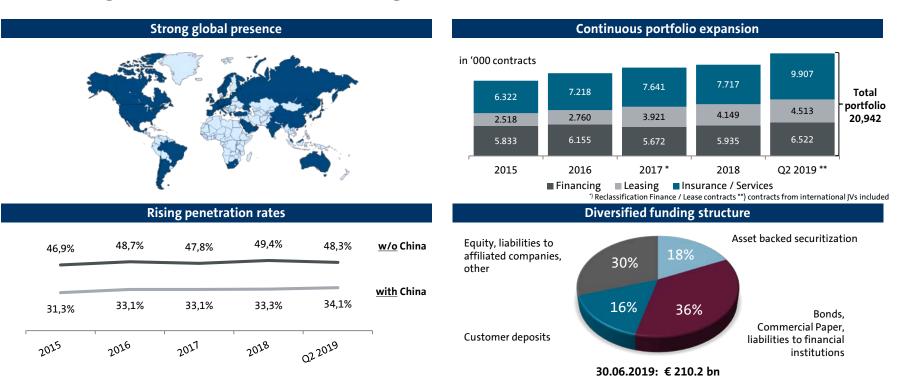
#### Execution

TR/\TON



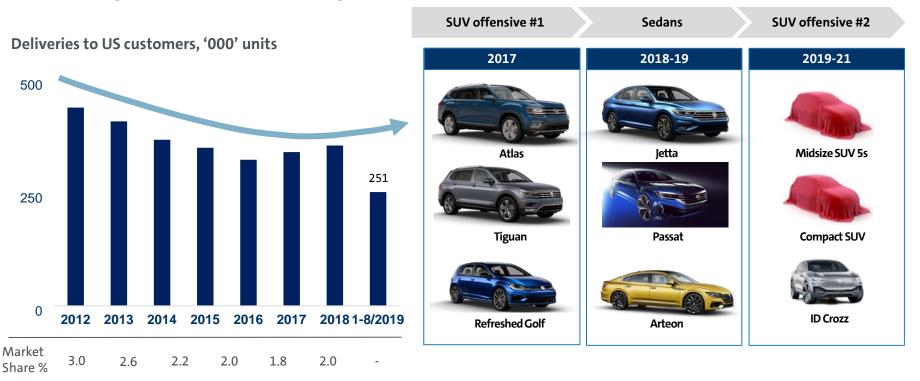
- Strong team with industry-leading track record
- Committed to Global
  Champion strategy

## Volkswagen Financial Services <sup>1</sup>): global, well diversified and successful



<sup>1)</sup> Excl. activities of Scania and Porsche Holding Salzburg; incl. Financial Services of Porsche AG and MAN Financial Services.

Volkswagen Brand – Pushing the Turnaround in the US with new products <sup>¬</sup>



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January – July 2018

## **Volkswagen Group China performance** (January to July 2019 vs. 2018)

January – July 2019 Proportionate operating profit, January to June [thsd. units] [units] -3.2% -35.2% -9.3% 2.500 2.304 3.500 3.200 2.230 € 2.3 bn € 2.1 bn 3.000 -2.9% 2.000 1.707 1.658 2.500 2.073 H1 2018 1.500 H1 2019 2.000 1.500 -11.4% 1.000 >500% 963 853 1.000 +2.5% 598 -22.9% 500 369 360 +24.6% 500 191 147 92 50 40 0 0 ŠKODA VOLKSWAGEN<sup>1)</sup> **8** 000 GROUP CHINA BENTLEY PORSCHE Commercial Vehicles

<sup>1)</sup> Incl. Hong Kong, excl. Ducati. Group numbers incl. Volkswagen Commercial Vehicles, Scania and MAN.

## Together4Integrity: Group-wide integrity and compliance program in full swing

Ethics and compliance is central to business strategy

#### **RISK MANAGEMENT**

Ethics and compliance risks are identified, owned, managed and mitigated

#### **SPEAK-UP ENVIRONMENT**

The organization encourages, protects and values the reporting of concerns and suspected wrongdoing

<sup>1)</sup> Group entities covered; as of 12th March, 2019.

## ~50%<sup>1)</sup> 2 4 5 INTEGRITY & COMPLIANCE

PROGRAM TOGETHER FOR INTEGRITY

#### **CULTURE OF INTEGRITY**

Leaders at all levels across the organization build and sustain a culture of integrity

#### **RESOLUTE ACCOUNTABILITY**

The organization takes action and holds itself accountable when wrongdoing occurs



## **Group Compliance action plan for 2019**

Standards, Organization	1	Whistleblower Group Guideline			
	2	Staffing of Group Compliance			
Processes & Tools	3	Strengthening the group-wide Compliance Organization			
	4	Consistent Compliance Risk Assessment			
	5	Worldwide Anti-Money Laundering System			
	6	Risk-based revision of group guidelines			
Business partner	7	New Business partner approval process for suppliers and sales organization			
	8	Compliance in M&A transactions and post merger integration for non-controlled shareholdings			
Certification	9	Support Monitorship + implementation of Monitor Recommendations			

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## **Investor Relations Team**

We are pleased to answer your inquiries regarding Volkswagen shares and other capital market related questions.



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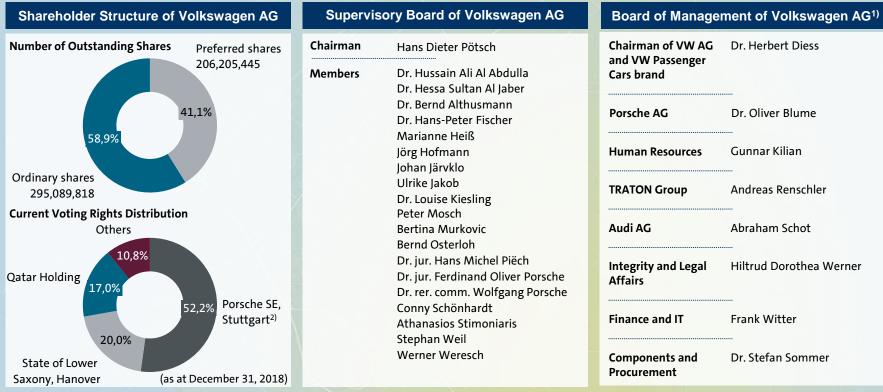
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Appendix

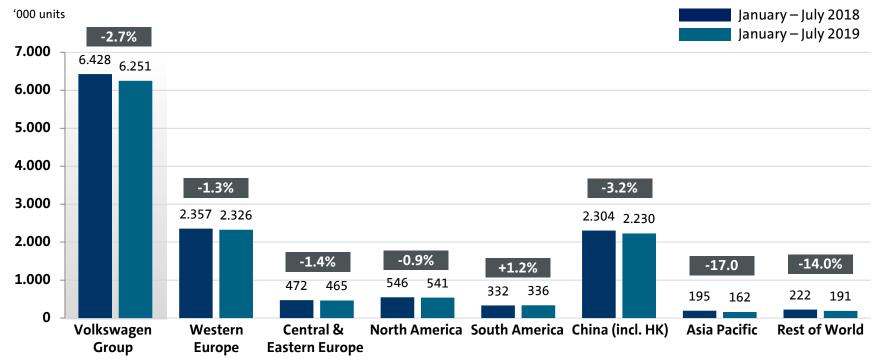
## The Shareholder Structure, Supervisory and Management Board



<sup>1)</sup> Each Board Member is responsible for one or more functions within the Volkswagen Group. The work of the Board of Management of Volkswagen AG is supported by the boards of the brands and regions as well as by the other group business units and holdings. <sup>2)</sup> On March 13 2019, Porsche SE announced increase in voting rights to 53.1%.



## **Volkswagen Group – Deliveries to Customers by Markets<sup>1</sup>** (January to July 2019 vs. 2018)

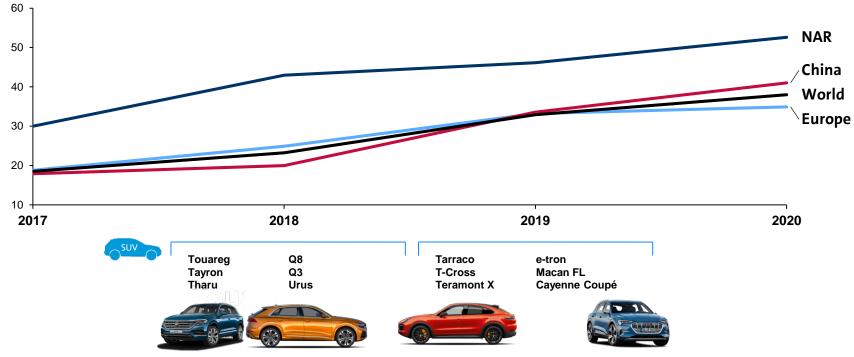


<sup>1)</sup> Incl. all brands of Volkswagen Group (Passenger Cars and Commercial Vehicles); -3.1% incl. Volkswagen Commercial Vehicles in North and South America, excl. Scania and MAN.

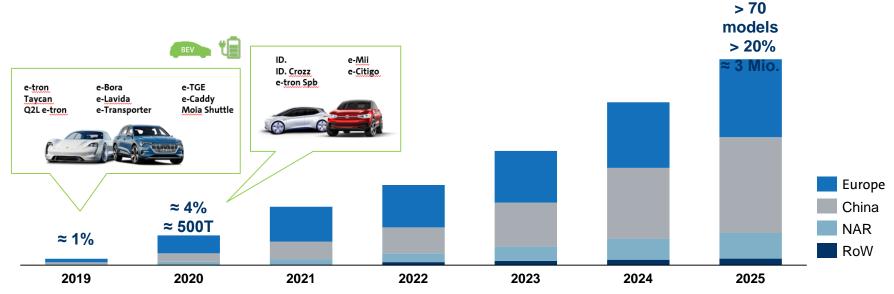
## Strongly growing SUV trend <sup>1)</sup>

SUV mix by region based on expected Group deliveries to customers

[SUV share in %]



# Strong electrification of portfolio: significant increase worldwide in BEV deliveries by 2025 across all brands will support the intended CO<sub>2</sub> compliance Volkswagen Group\* – estimated BEV Volume by Region (2019-2025)



\* excl. Ducati



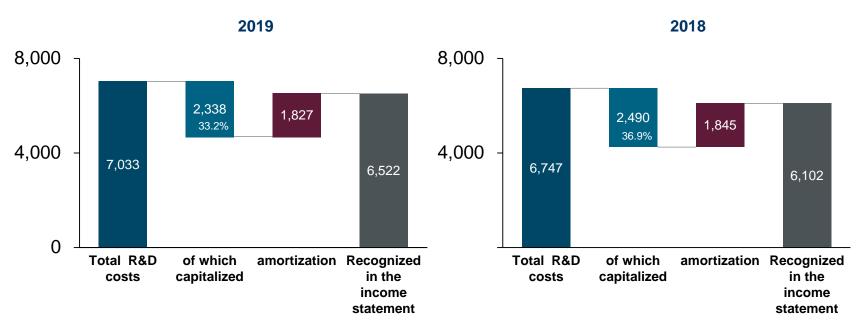
<b>Better Earnings Qua</b>	lity & EPS growth	1)			
	Basis: Result 2016	2020 Updated Targets			
		CMD March 2017	PR 66	PR 67	
Sales revenue (€ bn)	217.3	+>20%	+ > 25 % 🗾	+ > 25 %	
<b>Operating profit (€ bn)</b> before Special Items	14.6	+ 25 %	+ ≥ 25 %	+ > 30 %	
Profit before tax (€ bn)	14.8	+ ≥ 25 %	+≥30%	+ ≥ 40 %	
Earnings per Pref. Share	~20€	+ ≥ 25 %	+>25€	+ ≥ 30 €	



## Automotive Division – Research and Development Costs

#### (January to June 2019 vs. 2018)

[€ million]



## **Diesel issue: Special Items & payments**

€ (bn)	Diesel special items		Payment	5
	Legal	7.0		
2015	Other items	9.2		
		16.2		-
2016				
	Mainly legal risks	6.4		~3.0
2017	Buyback/retrofit program	2.2		
2017	Legal	1.0		
		3.2		~16.1
2018	Mainly legal risks	3.2		~5.3
2019 <sup>1)</sup>	Mainly legal risks	1.0	Expected	~2.0
Total		30.0	Payments made until 2018	~24.6

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## Volkswagen Group – Analysis by Business Line <sup>1)</sup>

#### (January to June 2019 vs. 2018)

	Vehicl	Vehicle sales		Sales revenue		Operating profit	
thousand vehicles / € million	2019	2018	2019	2018	2019	2018	
Volkswagen Passenger Cars	1,886	1,931	44,146	42,704	2,286	2,130	
Audi	632	812	28,761	31,183	2,300	2,761	
ŠKODA	560	511	10,154	9,161	824	821	
SEAT	370	347	6,266	5,768	216	212	
Bentley	5	5	835	757	57	-80	
Porsche Automotive <sup>2)</sup>	136	123	12,212	11,231	2,117	2,064	
Volkswagen Commercial Vehicles	256	248	6,489	6,324	506	567	
Scania <sup>3)</sup>	52	47	7,115	6,322	828	618	
MAN Commercial Vehicles	72	65	6,283	5,814	248	258	
Power Engineering	-	-	1,864	1,637	42	68	
VW China <sup>4)</sup>	1,789	1,999	-	-	-	-	
Other <sup>5)</sup>	-418	-512	-16,919	-18,206	-727	-856	
Volkswagen Financial Services	-	-	17,992	16,664	1,281	1,231	
Volkswagen Group before Special Items	-	-	-	-	9,979	9,794	
Special Items	-	-	-	-	-981	-1,635	
Volkswagen Group	5,339	5,575	125,197	119,377	8,997	8,160	
Automotive Division <sup>6)</sup>	5,339	5,575	106,126	101,715	7,589	6,866	
of which: Passenger Cars 7)	5,215	5,463	90,942	88,090	6,693	6,217	
of which: Commercial Vehicles 7)	124	113	13,320	11,988	959	707	
of which: Power Engineering	-	-	1,864	1,637	-63	-58	
Financial Services Division	-	-	19,071	17,662	1,409	1,294	

<sup>10</sup> All figures shown are rounded, minor discrepancies may arise from addition of these amounts. <sup>20</sup> Porsche (Automotive and Financial Services): sales revenue €13,405 (12,287) million, operating profit before special items €2,209 (2,154) million. <sup>20</sup> Scania (Automotive and Financial Services): sales revenue €13,405 (12,287) million, operating profit before special items €2,209 (2,154) million. <sup>20</sup> Scania (Automotive and Financial Services): sales revenue €7,336 (6,515) million, operating profit before special items €2,209 (2,154) million. <sup>20</sup> Scania (Automotive and Financial Services): sales revenue €7,336 (6,515) million, operating profit before special items €2,209 (2,154) million. <sup>20</sup> Scania (Automotive and Financial Services): sales revenue €7,336 (6,515) million, operating profit before special items €2,209 (2,154) million. <sup>20</sup> Scania (Automotive and Financial Services): sales revenue €7,336 (6,515) million, operating profit before special items €2,209 (2,154) million. <sup>20</sup> Scania (Automotive and Financial Services): sales revenue €7,336 (6,515) million, operating profit before special items €2,209 (2,154) million. <sup>20</sup> Scania (Automotive and Financial Services): sales revenue €7,336 (6,515) million, operating profit before special items €2,209 (2,154) million. <sup>20</sup> Scania (Automotive and Financial Services): sales revenue €7,346 (6,515) million, operating profit before special items €2,209 (2,154) million. <sup>20</sup> Scania (Automotive and Financial Services): sales revenue €7,346 (6,515) million, operating profit before special items €2,209 (2,154) million. <sup>20</sup> Scania (Automotive and Financial Services): sales revenue €7,346 (6,515) million, operating profit before special items €2,209 (2,154) million. <sup>20</sup> Scania (Automotive and Financial Services): sales revenue €7,346 (6,515) million, operating profit before special items €2,209 (2,154) million. <sup>20</sup> Scania (Automotive and Financial Services): sales revenue €7,346 (6,515) million, operating profit before special items €2,209 (2,154) million. <sup>20</sup> S

<sup>4</sup> The sales revenue and operating profits of the joint venture companies in China are not included in the figures for the Group. These Chinese companies are accounted for using the equity method and recorded a proportionate operating profit of 62,103 (2,318) million. <sup>9</sup> In operating profit, mainly intragroup items recognized in profit or loss, in particular from the elimination of intercompany profits; the figure includes depreciation and amortization of identifiable assets apart of purchase price allocation as well as companies not allocated to the brands... 6) Including allocation of consolidation adjustments between the Automotive and Financial Services divisions. <sup>17</sup> The Volkswagen Commercial Vehicles brand has been reported as part of the Passenger Cars Business Area since January 17, 2019. The prior/vear figures have been adjusted.



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