

AKTIENGESELLSCHAFT

We are redefining mobility.

## **Volkswagen Group**

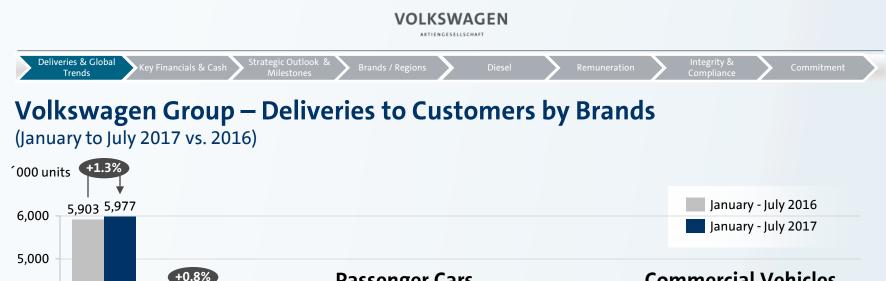
**Frank Witter** Chief Financial Officer Analyst Meetings, London, 31<sup>st</sup> August 2017

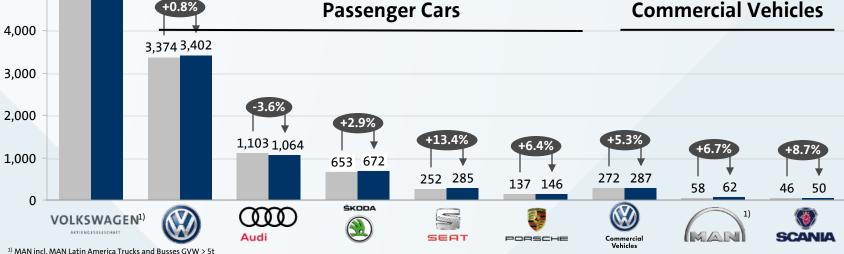


#### **Development World Car Market vs. Volkswagen Group Car Deliveries to Customers**<sup>1)</sup> (Growth y-o-y in deliveries to customers, January to July 2017 vs. 2016)



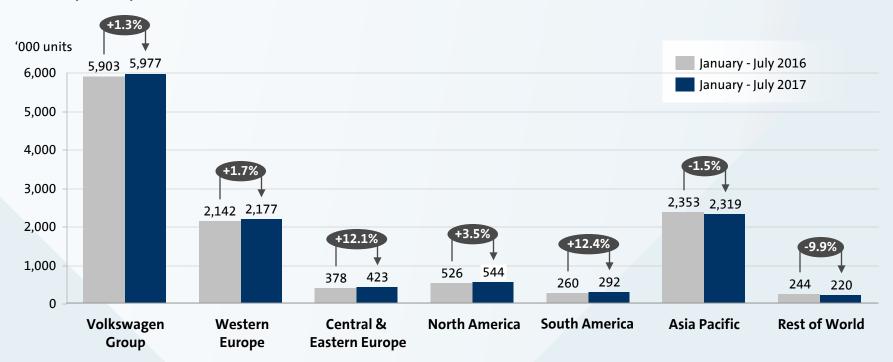
<sup>1)</sup> Figures excl. Volkswagen Commercial Vehicles, Scania and MAN Commercial Vehicles.







#### **Volkswagen Group – Deliveries to Customers by Markets**<sup>1)</sup> (January to July 2017 vs. 2016)



<sup>1)</sup> Incl. all brands of Volkswagen Group (Passenger Cars and Commercial Vehicles);

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## **Volkswagen Group: Environmental and Future Incentives Program**

- Promoting the renewal of the vehicle fleet through the changeover to Euro 6 and e-mobility
- Improve air quality in cities
- Incentives on purchasing a Volkswagen, Volkswagen Commercial Vehicles, Audi, SEAT, ŠKODA or Porsche with Euro 6 Standard
- Program is limited to German market and available until December 31st, 2017 <sup>1)</sup>
- Incentives for scrapping an old diesel vehicle of any brand with Euro 4 or older and purchase of a new vehicle (Volkswagen: €2,000 to €10,000; Audi: €3,000 to €10,000; SEAT: €1,750 to €8,000; ŠKODA : €1,750 to €5,000; Porsche: €5,000)
- Additional bonus for the purchase of alternative powertrain (electric, hybrid or natural gas)

Example Incentive Volkswagen Brand:

Model	"Environmental" Incentive		
up!	€2,000		
Polo	€3,000		
Golf, Golf Sportsvan, Golf Estate, Tiguan, Tiguan	€5,000		
Allspace, Beetle Cabrio			
Touran	€6,000		
Passat Sedan/Estate, Arteon, Sharan	€8,000		
Touareg	€10,000		

	Powertrain type	"Future" Incentive
+	Natural gas (e.g. Golf TGI)	€1,000
-	Hybrid (e.g. Golf GTE; Passat GTE)	€1,785
	Electric (e.g. e-up!; e-Golf)	€2,380
+	State subsidy <sup>2</sup>	

Total support available per model

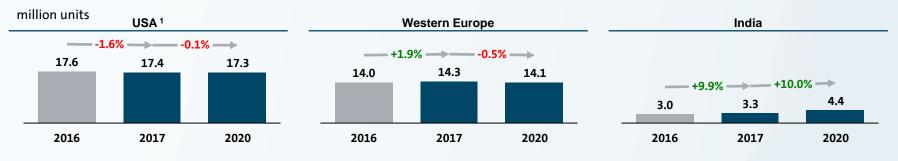
# Cost of Programs anticipated to be <u>balanced</u> through <u>higher volumes</u>, benefits of gaining <u>new customers</u> and raising <u>customer loyalty</u>

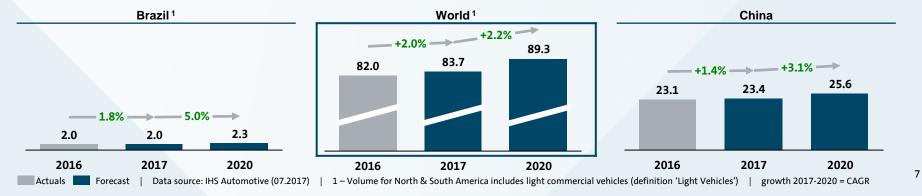


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### Global Passenger Car Market 2017/2020

Slowdown in Western Europe; Stagnation in USA at a high level; Recovery in Brazil though from a low level; Strong growth in India; China remains largest driver of passenger car demand





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#### **Volkswagen Group – Key Financial Figures<sup>1</sup>** (January to June 2017 vs. 2016)

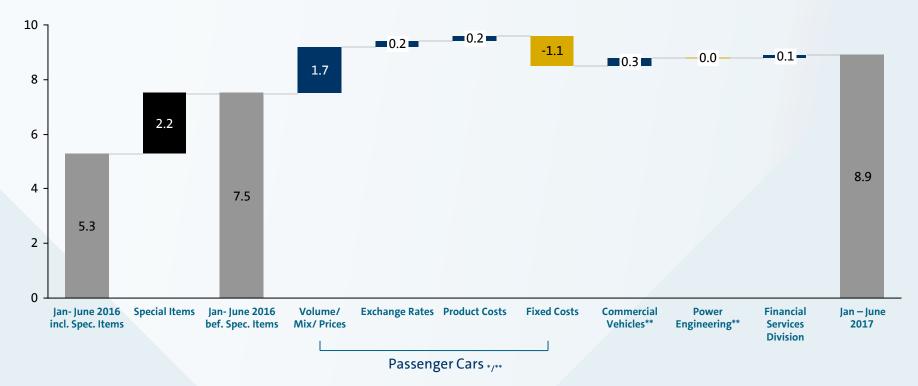
thousand vehicles / € million	2017	2016	+/- (%)
Vehicle Sales <sup>2)</sup>	5,270	5,199	+1.4
Sales revenue	115,862	107,935	+7.3
Operating profit before Special Items	8,916	7,517	+18.6
% of sales revenue	7.7	7.0	
Operating profit	8,916	5,339	+67.0
% of sales revenue	7.7	4,9	
Financial result	44	-528	Х
of which: At-equity result <sup>2)</sup>	1,635	1,715	-4.7
of which: Other financial result	-1,591	-2,243	-29.1
Profit before tax	8,960	4,810	+86,3
% Return on sales before tax	7.7	4.5	
Profit after tax	6,595	3,579	+84.3

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) Volume data including the unconsolidated Chinese joint ventures. The joint venture companies in China are accounted for using the equity method and recorded an operating profit (proportionate) of €2,135 million (€2,366 million).



### Operating profit increased to €8.9 billion in H1 2017



#### VOLKSWAGEN

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## Strong brands contributed to the operating profit of the Group in H1 2017

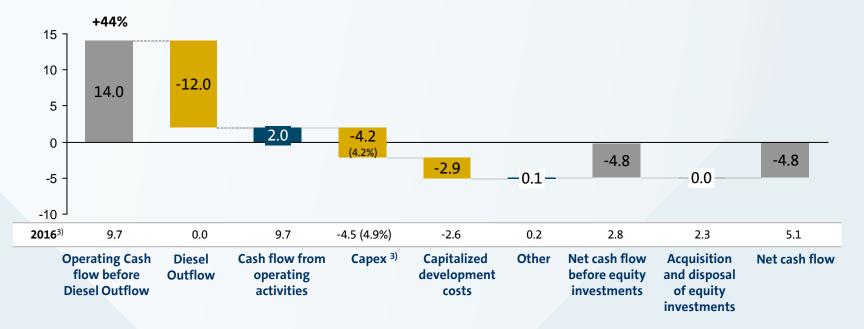
	Vehicl	Vehicle sales Sa		evenue	Operating profit	
thousand vehicles/ € million	2017	2016	2017	2016	2017	2016
Volkswagen Passenger Cars <sup>2)</sup>	1,812	2,232	39,855	53,006	1,776	881
Audi	783	799	30,143	30,134	2,680	2,666
ŠKODA	501	431	8,720	7,114	860	685
SEAT	304	276	5,054	4,485	130	93
Bentley	5	5	867	883	13	-22
Porsche Automotive <sup>3)</sup>	124	117	10,841	10,151	2,056	1,768
Volkswagen Commercial Vehicles	244	231	5,927	5,406	448	299
Scania <sup>4)</sup>	44	41	6,307	5,575	673	550
MAN Commercial Vehicles	53	49	5,297	4,798	193	186
MAN Power Engineering	-	-	1,579	1,673	73	103
VW China <sup>5)</sup>	1,870	1,867	-	-	-	-
Other <sup>6)</sup>	-469	-849	-14,728	-28,901	-1,152	-687
Volkswagen Financial Services <sup>7)</sup>	-	-	15,999	13,611	1,165	995
Volkswagen Group before Special Items	-	-	-	-	8,916	7,517
Special Items	-	-	-	-	-	-2,178
Volkswagen Group	5,270	5,199	115,862	107,935	8,916	5,339
Automotive Division <sup>8)</sup>	5,270	5,199	98,901	92,547	7,651	4,162
of which: Passenger Cars	4,930	4,879	80,070	75,285	6,654	3,895
of which: Commercial Vehicles	340	320	17,252	15,589	1,043	285
of which: Power Engineering	-	-	1,579	1,673	-46	-18
Financial Services Division	-	-	16,961	15,388	1,265	1,177

<sup>1)</sup> All figures shown are rounded, minor discrepancies may arise from addition of these amounts. <sup>2)</sup> 2017 figures take account of the reclassification of companies; prior-year figures were not adjusted. <sup>3)</sup> Porsche (Automotive and Financial Services): sales revenue €11,778 (10,929) million, operating profit €2,131 (1,830) million. <sup>4)</sup> Including financial services. <sup>5)</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 €2,135 (2,366) million. <sup>6)</sup> Prior year adjusted. In operating profit manily intragroup items recognized in profit or loss, in particular from the elimination of intercompany profits; the figure includes depreciation and amortization of identifiable assets as part of purchase price allocation for Scania, Porsche Holding Salzburg, MAN and Porsche. <sup>7)</sup> Starting January 1, 2017, Porsche's financial Services. Prior-year figures were not adjusted. <sup>8)</sup> Including allocation of consolidation adjustments between the Automotive and Financial Services divisions.

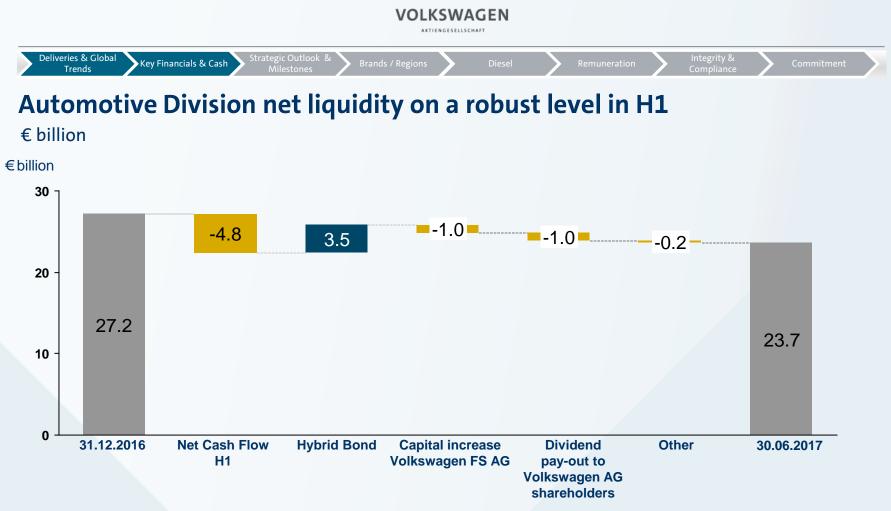
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## Automotive Division net cash flow H1 2017: Significant increase in operating cash flow



<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.

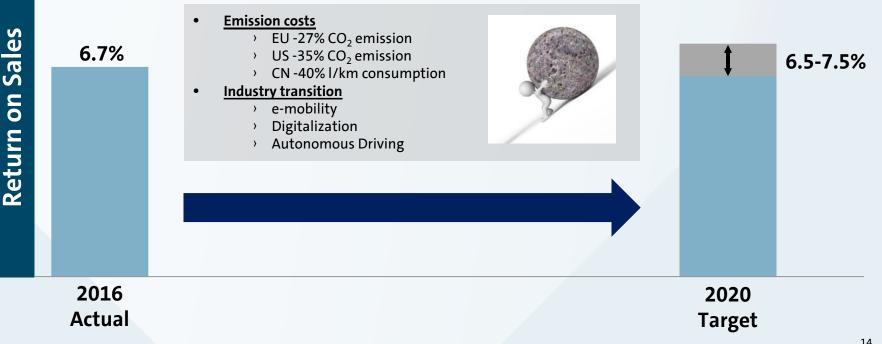




### Volkswagen Group – Outlook for 2017





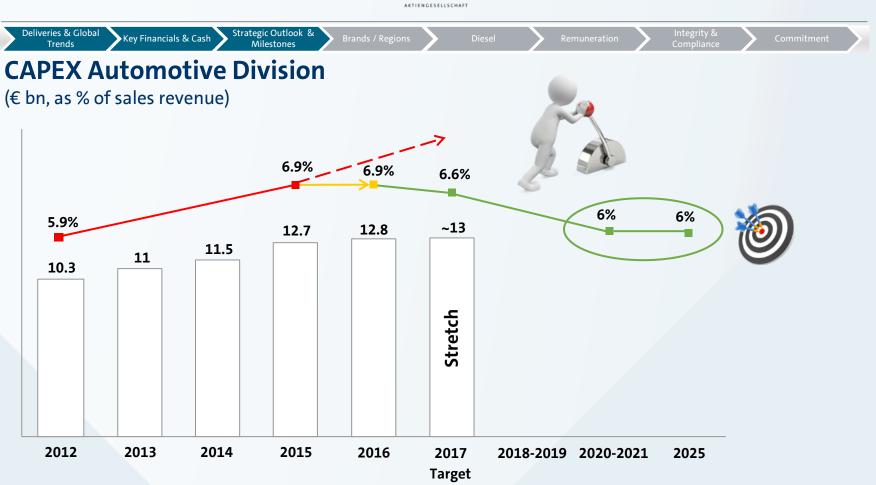


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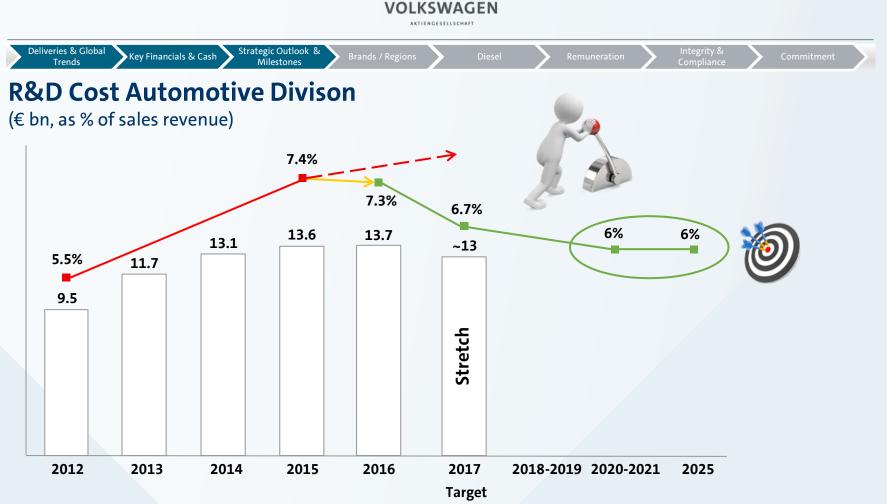
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Deliveries & Global Trends							
<b>Clear Finan</b>	Clear Financial Targets and Milestones						
Key financia	al targets	2016 Actual	2017 Targets	2020 Targets	2025 Targets		
Operating retuin Before special items	rn on sales	6.7%	6-7%	6.5-7.5%	7-8%		
Return on invest Automotive Division		13.9%	11-13%	13-15%	>15%		
<b>Capex ratio</b> Automotive Division		6.9%	6.6%	6% (2020/21)	6%		
<b>R&amp;D cost ratio</b> Automotive Divison		7.3%	6.7%	6% (2020/21)	6%		
<b>Cash</b> Automotive Division	a) Net Cashflow	€ 4.3 bn	negative	positive <sup>1)</sup>	positive 1)		
	b) Net Liquidity	€ 27.2 bn	> 15 bn	≥€ 20 bn	~10% of Group turnover		

1) after considering a strategic target of 30% Payout Ratio based on Group profit after tax

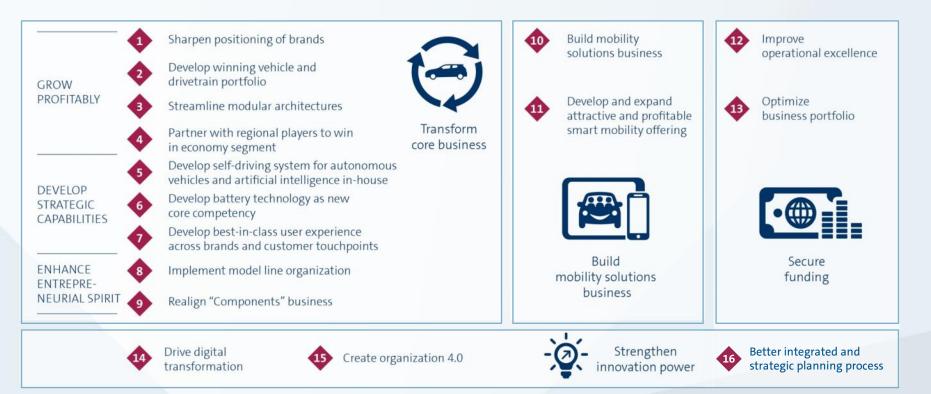


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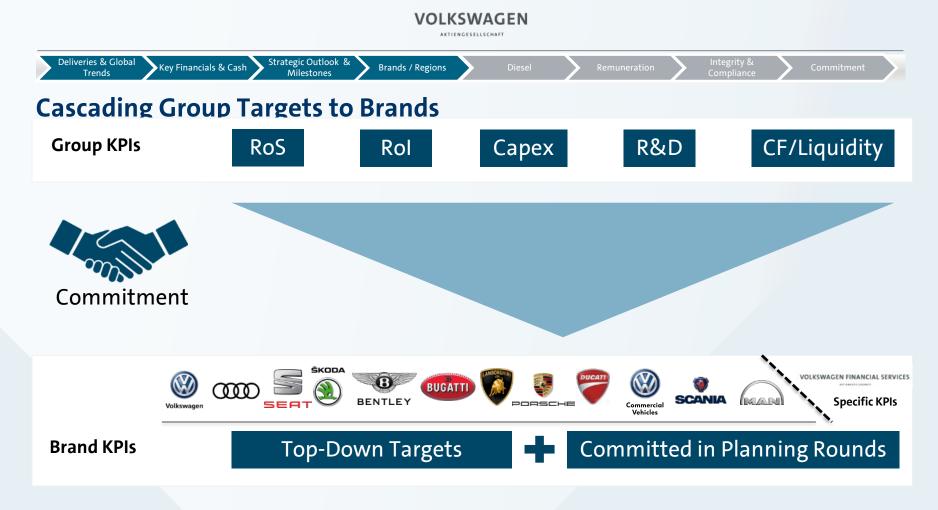




### **STRATEGY 2025 – INITIATIVES AT A GLANCE**



	VOLKSWAGEN Aktiengesellschaft							
Deliveries & Global Trends Key	Miles	Outlook & Brands / Regions	Diesel Remuneration	Integrity & Commitment				
Accountability	Discipli	-	Reduced Complexity	Profitability				
Mo	dular Toolki	ts	Product Line	e Organization				
MQB	MQB         MLB         MSB         (Example Volkswagen Brand)							
<b>Modular Transverse</b> Toolkit	Modular Longitudinal Toolkit	Modular Standard Drivetrain Toolkit	► G1 – Small	► G3 – Mid- & Fullsize				
MNB      Commercial      Vehicles	MMB	MEB Modular Electric Toolkit	G2 – Compact	► G4 – e-Mobility				







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

Return on Sales in %	<u>2016</u>	<u>2017</u>	<u>2020</u>	<u>2025</u>
Volkswagen Group	6.7	6.0-7.0	6.5-7.5	7.0-8.0
Volkswagen Brand	1.8	2.5-3.5	≥4	≥6
Audi	8.2	8-10	8-10	8-10
Porsche	17.4	>15	>15	>15
ŠKODA	8.7	7-8	6-7	≥7
Volkswagen Commercial Vehicles	4.1	3-4	4-5	>6
Truck & Bus Business <sup>1)</sup>				
• Scania	9.5	c <b>7</b>		
MAN Commercial Vehicles	2.3	6-7	9 <sup>2)</sup>	9 <sup>2)</sup>
Return on Equity (norm. 8%)	<u>2016</u>	<u>2017</u>	<u>2020</u>	<u>2025</u>
Volkswagen Financial Services	15.6%	14-16%	14-16%	20%

<sup>1)</sup> For peer-group analysis: Truck & Bus Business RoS is calculated as the sum of Scania and MAN Commercial Vehicles (equals ~6.1% in 2016) <sup>2)</sup> Through-cycle Target







Secure the Future

<u>Working Group 1</u> Production	<ul> <li>Increase of productivity by 25%</li> <li>Reduction of plant costs</li> </ul>	<ul> <li>4 additional models:</li> <li>2 conventional and 2 MEB vehicles</li> </ul>
<u>Working Group 2</u> Components	<ul> <li>Increase of productivity by 25%</li> <li>Discontinuation of unprofitable products</li> </ul>	<ul> <li>Investments in:</li> <li>Electric drive trains</li> <li>Pilot facility battery cell</li> <li>Battery system</li> </ul>
<u>Working Group 3</u> Technical Development	<ul> <li>Reduction of hardware-oriented development work</li> <li>Increased efficiency in development processes</li> </ul>	<ul> <li>Competency/capacity increase in autonomous driving, electrification, connectivity etc.</li> </ul>
<u>Working Group 4</u> Administration	Reduction of bureaucracy	<ul> <li>Creation of employment in new business segments</li> </ul>
	Reduction in workforce ba	sed on demographic curve



## Volkswagen brand is planning a strong comeback in the USA

#### Focus on US Core Segments





Atlas

Tiguan LWB



letta



Passat

#### Key measures

- Extend SUV offering, focus on US core segments (SUVs, sedans)
- Market-oriented pricing
- Market-oriented alignment to local standards and ٠ customer expectations
- Reduce material, product and fixed costs
- "Electrify America": infrastructure and locally produced cars from 2021



## A product offensive will initiate a new growth phase in South America

### Product offensive in South America



Polo Global



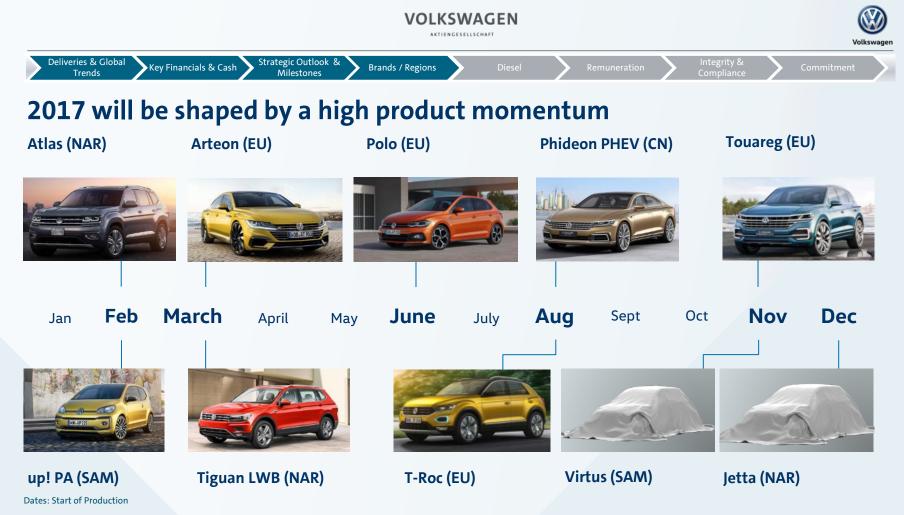
Polo Sedan Global



Small SUV Global

#### Key measures

- Restructuring: reduce capacities and fixed costs
- Increase productivity, align products to local requirements
- Product offensive, €2.5 bn investment
- New brand positioning
- New growth strategy for Latin America





## The Volkswagen brand will implement Electro Architecture to make electric vehicles affordable and profitable



#### Key measures

- Concept determined by: customer benefit and package for cost-optimized implementation of e-components
- Electro Architecture: economies of scale from use of **Electro Architecture across entire Group**
- "Design for manufacturing": higher productivity, shorter manufacturing time
- Lower material and distribution costs
- Significant reduction in variants
- Early involvement of suppliers



# Volkswagen Group autonomous driving

Key Financials & Cash

- SEDRIC first Self-Driving Car in Volkswagen Group
- "Level 5": autonomous driving without steering wheel and pedals

Strategic Outlook &

Milestones

**VOLKSWAGEN** 

Welcome!

Brands / Regions

- Formation of Autonomous Intelligent Driving GmbH
- Target: until 2021

**Deliveries & Global** 

Trends



Brands / Regions

## Core challenges in the commercial vehicle industry ...

Strategic Outlook &

Milestones

Further globalization

**Cyclical markets** 

Deliveries & Global

Trends



Key Financials & Cash

Strong correlation to GDP in developed world Not all regions hit by economic downturns at the same time

Local OEMs dominating in BRIC markets Improving infrastructure, stronger regulations open opportunities for Volkswagen

Emission regulations



Europe with aggressive regulations, focus shifting to diesel lock-outs BRIC trailing behind, but with ambitious roadmap

Connectivity & digitalization

After sales and new business opportunities

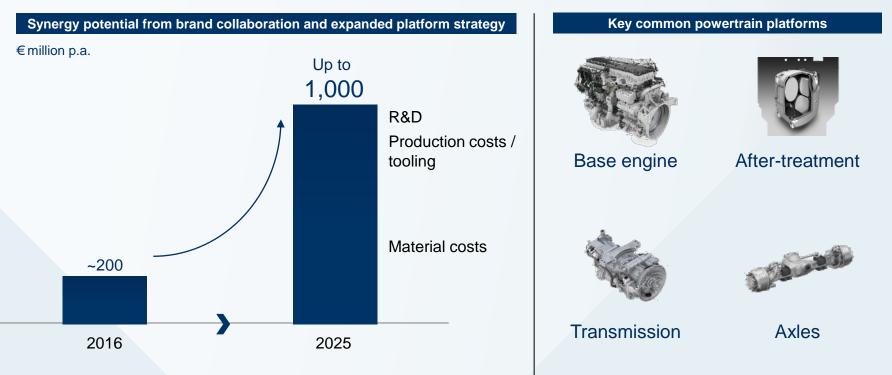


Platooning and partly-autonomous driving as transition solutions Data management for customers and traffic of broad interest

After sales increasingly important as alternative source of revenues New business models (e.g. enhanced telematics) can stabilize revenues



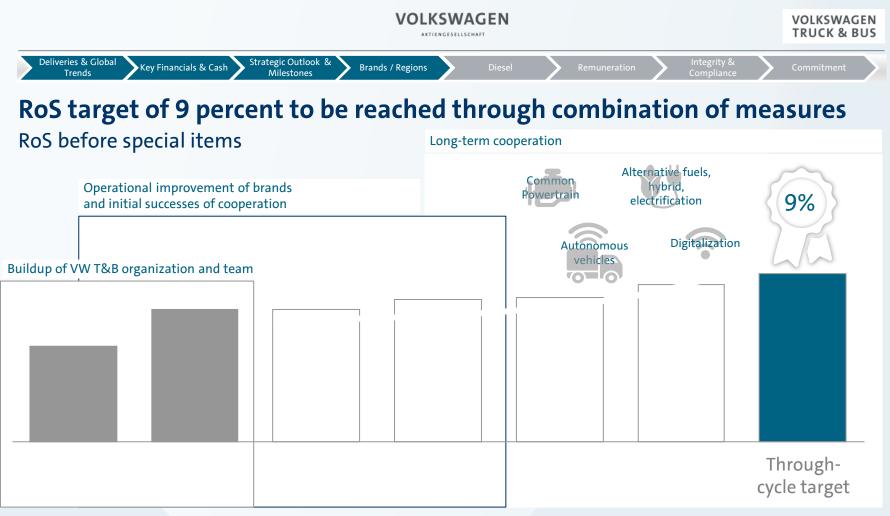
### Long-term synergy potential will enable savings of up to €1 bn p.a.





## **Global expansion on track with Navistar alliance**

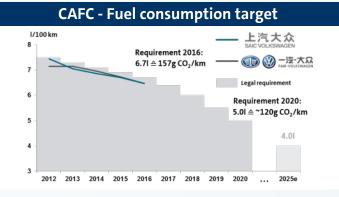
1	Equity investment	C	<b>16.8% equity stake</b> in Navistar by way of <b>capital</b> increase*
2	Strategic technology and supply cooperation		Companies to <b>collaborate on technology</b> for powertrain systems, as well as other advanced technologies
3	Procurement joint venture	*** *	<b>Procurement joint venture</b> is pursuing joint global sourcing opportunities
4	Governance		<b>2 VW T&amp;B representatives</b> nominated to Navistar Board of Directors. <b>Joint Alliance Board</b> to govern overall alliance







## **Regulatory environment in China**



#### China 6 regulation

#### Emission regulation China 6 for gasoline engines

Implementation on national level for C6a from July 2020, for C6b from July 2023

# **Beijing and Shanghai** may start with similar regulation in **2018** and other key regions in 2019

#### MIIT proposal for NEV credit system <sup>1)</sup>

NEV credit point ratio

017	2018	2019	2020
lone	8%	10%	12%

#### **NEV Credit Point Attribution per NEV Type**

		BEV				FC	EV
E-Range (in km)	80 - 150	150 - 250	250 - 350	>350	>50	250 - 350	>350
Credit Point	2	3	4	5	2	4	5

#### **NEV** subsidies scheme

New Requirement on national subsidies for NEVs

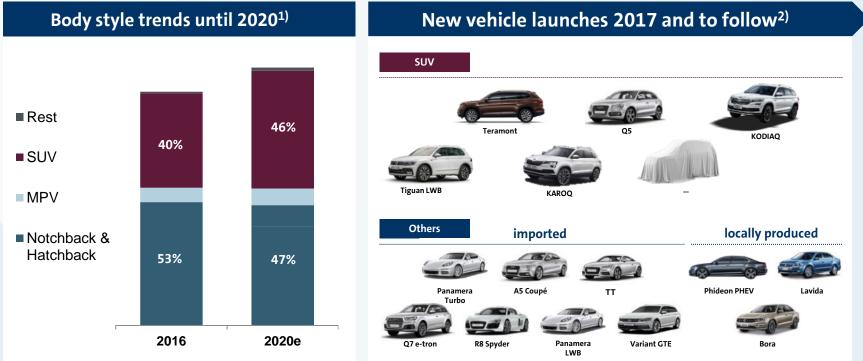
- raise the entry threshold
- may be adjusted dynamically

Direct national subsidy (20% reduced in 2017) (up to 44,000 RMB for BEV and 24,000 RMB for PHEV)

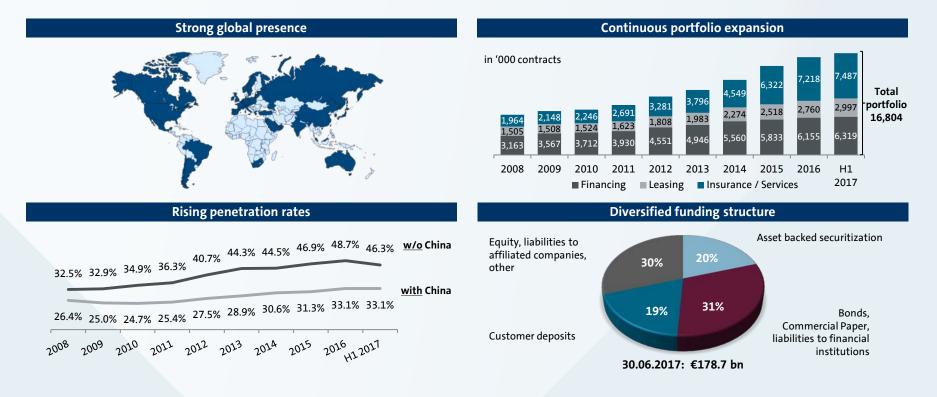
Additional subsidies from local provinces (<50% of national subsidy)







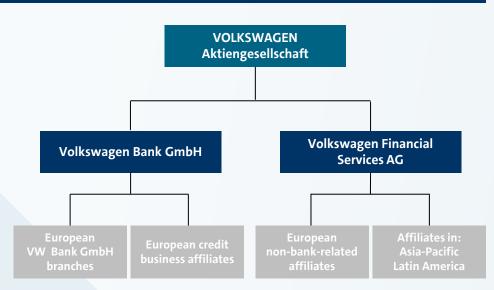






(implementation scheduled for year-end 2017)

### Future structure of Volkswagen Financial Services



- Advantages: Optimized capital requirements
  - Reduced complexity & improved transparency
  - Supports future growth path

## Change of legal structure

- Volkswagen Bank GmbH will be separated from Volkswagen Financial Services AG and become a subsidiary of Volkswagen AG (wholly-owned and with direct reporting line)
- Volkswagen Bank GmbH, that is regulated by the European Central Bank (ECB), will comprise all credit & deposit business within the European Economic Area
- The noncredit business in Europe and all business in overseas will continue to be part of Volkswagen Financial Services AG

### VOLKSWAGEN

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## **Special Items: Diesel related and other**

(In€bn)	Diesel		Other		Total
2015	Legal Other items	7.0 9.2 <b>16.2</b>	Restructuring: Truck Business Passenger Cars South America Airbags Takata	0.2 0.2 0.3 <b>0.7</b>	16.9
2016	Mainly legal risks	6.4	Scania Anti-Trust Proceedings Others	0.4 0.7 <b>1.1</b>	7.5
Total to date		22.6		1.8	24.4

No material special items in H1 2017. A significant amount of the Diesel dollar-related provisions are hedged and a further substantial amount of the provisions have been utilized as we had cash outflows of around €3bn in Q4 2016, around €5bn in Q1 2017 and around €7bn in Q2.



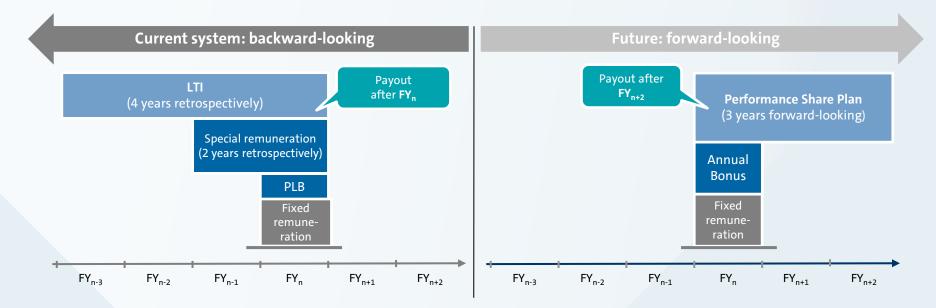
A K T I E N G E S E L L S C H A F T



<sup>1</sup> KBA approval relevant for EU28 and ECE user states (e.g., Turkey)







### Adjusted recommendation of no. 4.2.3 sec. 2 German Corporate Governance Code

"Variable remuneration components shall generally be based on a multi-year assessment, **which shall be materially** related to the future."



Key Financials & Cash

Diesel

Remuneration

Integrity & Compliance

ommitment

# The new remuneration system harmonizes the interests of different stakeholder groups

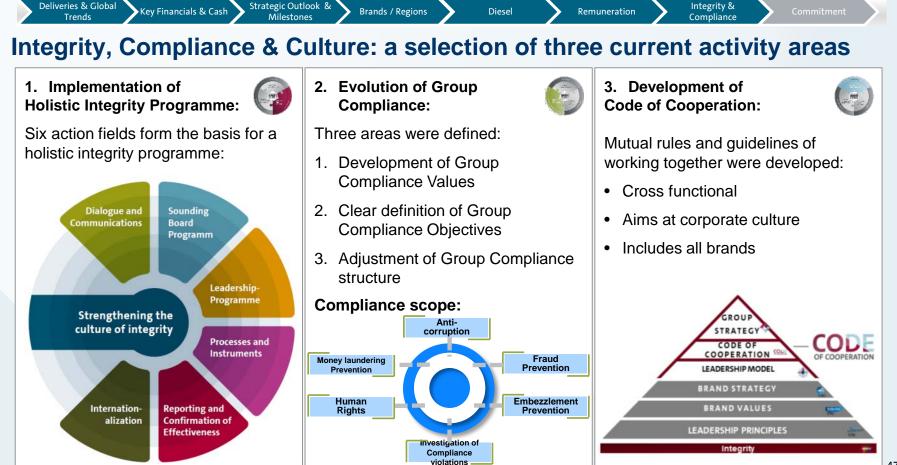
Brands / Regions

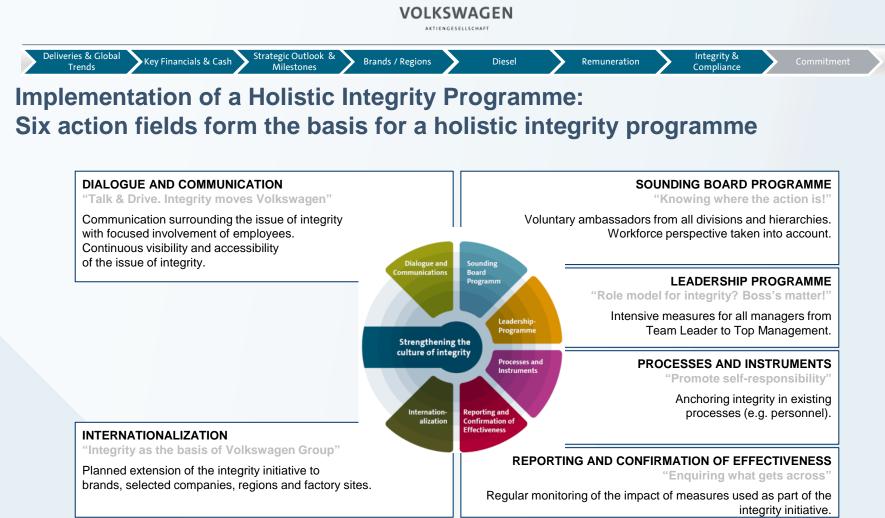
- ✓ ... is based on **clear remuneration policy guidelines**
- ✓ ... constitutes a core element of the realignment of the Group
- ... integrates strategic objectives of the TOGETHER strategy 2025
- ... is capital market-oriented and reflects human resource-related transformation objectives
- ... sets ambitious objectives for sustainable corporate development
- ✓ ... incorporates a higher long-term orientation
- ... reflects no past events and is therefore completely forward-looking
- ... is based on a transparent target remuneration approach
- ... incorporates a total cap noticeably lower than the individual caps
- ✓ ... is **transparent** and is easy to comprehend
- ... is common market practice and conforms to regulatory requirements



## Integrity, Compliance & Culture: a three-dimensional approach for change









VOLKSWAGEN



We know we have to earn your trust!



We are only promising what we have commitments for!



We will improve our targets once we make visible progress!



We have a plan and strongly believe in it!



Brands / Regions

Diesel

Remuneration

Integrity & Compliance

Commitment

# **Investor Relations Team**



Strategic Outlook &

Milestones

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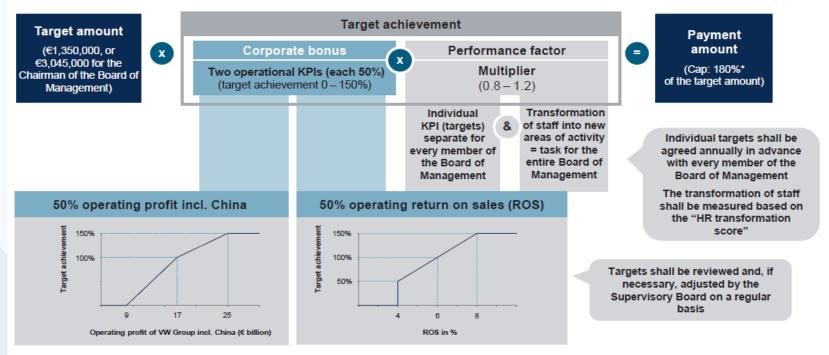
#### Lennart Schmidt (China office)

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#### VOLKSWAGEN AKTIENGESELLSCHAFT

## New remuneration system for the Board of Management 2017

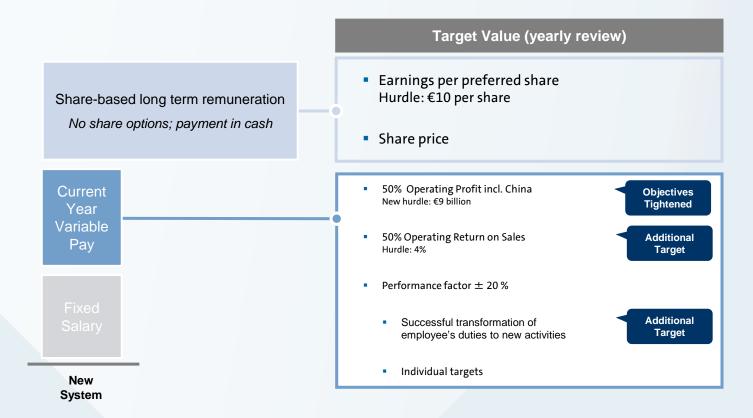
## Functionality of determining the annual bonus amount



\* Cap of 180% arises from 150% of the maximum financial target achievement and a performance factor up to a maximum of 1.2



# **Target Values take into account Shareholder and Employee interests**





# The annual bonus is based on the Operating Profit incl. China and the Return on Sales; the payment amount is adjusted by a performance factor

## **Annual bonus**

	Operating result (OP) incl. China	KPIs	Operating profit (OP) incl. China Operating return on sales (RoS)	
Old design	Two years	Performance period One year		
	Direct participation above a certain OP-threshold value (€5bn)	Performance measurement	50 % direct participation above a certain OP threshold value (€9bn) 50 % strategic target return above a certain threshold return (4%)	
	0% to 50% of special remuneration Discretionary assessment Additive linkage	Individual performance bonus/performance factor	Factor 0.8 to 1.2 Discretionary, criteria-based assessment Multiplicative linkage	

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# The Performance Share Plan ensures an orientation towards a sustainable corporate development

## **Performance Share Plan**

	Multiple-year bonus	Plan type	(Virtual) Performance Share Plan	
lesign	Top customer satisfaction, top employer, sales volume, Profit before Tax return	Key performance indicators	Earnings per share (EPS)	
	4 sub-indices with a total of 10 indicators, threshold: 1.5 % return on sales	Calibration/calculation	€10 EPS = 50 % of shares €20 EPS = 100 % of shares €30 EPS = 150 % of shares	
	Four years backward-looking	Performance period	Three years forward-looking	



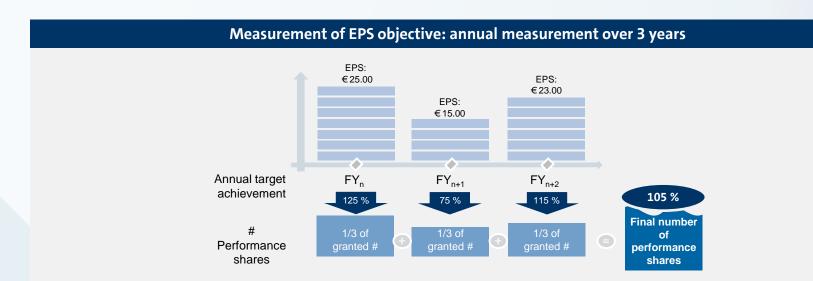
# The payout amount depends on the development of the share price and the EPS target achievement

#### **Performance Share Plan Functionality:** virtual shares granted; quantity changes depending on the EPS-target achievement Grant Performance period Payout FY n+1 FY n+2 FY n Performance measurement Determination of the final number of virtual shares based on the target achievement Conversion of contractually defined Value of shares changes based on the target value in virtual preferred shares Determination of the closing price (equal to the share price development based on the share price at grant average closing price of the last 30 trading days before the end of the performance period) Share price at grant is defined as the Number of shares changes based on average closing price of the last 30 Payout in cash incl. dividend equivalents for the the EPS target achievement (annual trading days before the grant final number of shares "lock-in") Target definition for EPS Caps: 150 % target achievement, max. payout (100 % target achievement at an EPS of 200 % of target value

of €20)



# Achievement of the EPS objective is measured annually over the three-year term of the tranches



- Annual EPS performance measurement for 1/3 of the respective virtual performance shares granted
- Incentive effect throughout the plan term

























































We are redefining mobility.

# **Volkswagen Group**

**Frank Witter** Chief Financial Officer Analyst Meetings, London, 31<sup>st</sup> August 2017