

VOLKSWAGEN GROUP

Porsche Experience Center Hockenheimring 21 June 2023





Disclaimer

The following presentations as well as remarks/comments and explanations in this context contain forward-looking statements on the business development of the Volkswagen Group. These statements are based on assumptions relating to the development of the economic, political and legal environment in individual countries, economic regions and markets, and in particular for the automotive industry, 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. The estimates given entail a degree of risk, and actual developments may differ from those forecast. All figures are rounded, so minor discrepancies may arise from addition of these amounts.

At the time of preparing these presentations, it is not yet possible to conclusively assess the specific effects of the latest developments in the Russia-Ukraine conflict on the Volkswagen Group's business, nor is it possible to predict with sufficient certainty to what extent further escalation of the Russia-Ukraine conflict will impact on the global economy and growth in the industry in fiscal year 2023.

Any changes in significant parameters relating to our key sales markets, or any significant shifts in exchange rates, energy and other commodities or the supply with parts relevant to the Volkswagen Group will have a corresponding effect on the development of our business. In addition, there may also be departures from our expected business development if the assessments of the factors influencing sustainable value enhancement and of risks and opportunities presented develop in a way other than we are currently expecting, or if additional risks and opportunities or other factors emerge that affect the development of our business.

We do not update forward-looking statements retrospectively. Such statements are valid on the date of publication and can be superseded.

This information does not constitute an offer to exchange or sell or an offer to exchange or buy any securities.

Note: The figures for fuel consumption, electric range, energy consumption and CO2 emissions are included in the glossary.

Today's presenters

Oliver Blume

Volkswagen Group CEO since 09/2022

Porsche CEO since 10/2015



Arno Antlitz

Volkswagen Group COO since 09/2022

Volkswagen Group CFO since 04/2021



Macroeconomic backdrop & technology transformation

Economic **uncertainty**

From global- to regionalization

BEV & digitalization reshaping industry

New entrants & competitors

Status quo assessment

Today's strengths

- Portfolio of exciting & complementary brands
- Leading scale & global presence
- >>> Entrepreneurial team ready to execute

Today's challenges

Transitioning ((
technology base

Group **««** complexity

Fixed costs & capital intensity

Our promise

- (1) New team: Entrepreneurial spirit with clear sustainability commitment
- (2) Technology at scale: Speed, agility & performance
- (3) Unleashed brands: Unrivalled portfolio with focus on entrepreneurship
- 4 Regional leadership: Winning globally with tailored regional strategies
- **5** New steering model: Fostering entrepreneurship & faster decision-making
- 6 Financials: Cash flow, profitability & capital efficiency at centre stage

Our ambition 2027

Unrivalled brand portfolio:

Electrified products with leading technology

Regionally balanced footprint:

Tailored investments & overall reduced asset intensity

Cultural shift & capital market orientation:

Entrepreneurial spirit paired with focus on cash flow &

profitability throughout the organization



New management team

New leadership principles

New steering framework

First strategic steps successfully executed

New executive team to master the transformation

Gunnar Kilian Group HR, Brand Group Trucks

Markus Duesmann

Brand Group
Progressive & CEO Audi

Arno Antlitz

Group CFO & COO

Manfred Döss

Group Integrity & Legal Affairs

Thomas
Schmall-von
Westerholt
Group Technology

Ralf Brandstätter Group China Oliver Blume Hauke

Stars

Group IT

Group CEO & Brand Group Sport Luxury

Thomas Schäfer

Brand Group Core & CEO VW brand

Dual roles to expand know-how from brands to Group level



Christian
Vollmer
Production



Dirk Große-Loheide Procurement



Hildegard Wortmann Sales



Michael
Neumayer
Quality



Michael Steiner Development



Michael Mauer Design



Sebastian
Rudolph
Communication



New leadership principles

'Dual role' concept

Enhanced coordination

'Best owner' approach

Team spirit & passion to unlock full potential



Regional expertise with global team

Desire to innovate & perform

Team spirit & empowerment

Steering framework based on three leadership principles



Entrepreneurship

Accountability

Execution focus

Cornerstones of Volkswagen Group's operating model

Brand identity

Group scale

Differentiated designs

Appealing products & UX

Commitment to quality

Customer centricity

Combined technology

Standardization

Cost leadership

Speed, agility & performance

New steering framework for group management



Profitability, cash flow & capital efficiency

Direct Profit & Loss accountability

Aligned & consistent incentivization

75 operational & strategic focus topics identified

75 inventory list

































Systematic approach: TOP 10 Group program



Planning round Products





China



NAR



CARIAD



Platform / **Technology**



Battery & Charging



Mobility Solutions



Sustainability



Capital Market

Key decisions already taken in few months



- >> Strategic capital allocation
- >>> Performance program started



- >> New product strategy
- >>> Brand Design ID
- >> Quality program



- >> Target Picture 2030
 - Strong brands
 - Long-term partners
 - Localized tech



- >> Establish Scout Motors
- >>> Battery plant Canada
- >>> Growth plan NAR



- >>> Realistic portfolio plan
- >> Intensified partnerships <
- >> Re-structuring started



- >>> Redesign platform strategy
- >>> Defined lead brands
- >> Holistic synergy approach
- >> Competitive tech profile <



- >>> Battery strategy
- >>> Stage-gated PowerCo ramp-up
- >>> Securing raw materials <
- >> Expanding HPC points < worldwide



- >> Successful integration of Europear
- >>> First pilot projects in place & defined roll-out for integrated mobility platform



- >> ESG target ambition levels revised
- >> Decarbonization target 2030 on track
- >> New CSO & refocused Sustainability Council



- >>> Created virtual equity stories per brand
- >>> Established Target **Summits**
- >>> Sharpen capital market orientation within organization

Sustainability as core business driver

Ambitious
ESG target setting

Systematic breakdown of decarbonization targets

Holistic circular economy strategy

Future-oriented renewable energy strategy implemented

Implementation of measures reflected in improved ESG ratings

Agencies

MSCI

Sustainalytics¹

ISS ESG

2020

CCC

41

C

2023

В

26

C+

Target 2025

BBB

<22

CH

Status







~10% BEVdeliveries
target share²

30% emission reduction by 2030 on track

'PAI'³
Scorecard
published

Independent Xinjiang audit planned

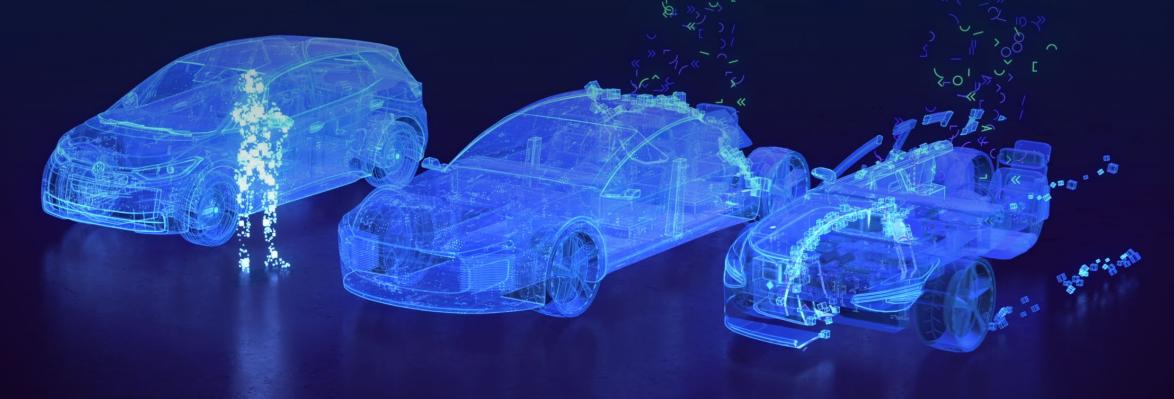
NEW TEAM: Key takeaways

- >> New management team with a new spirit
- >>> Entrepreneurship, accountability & execution focus
- >>> New operating model combining brand identity & Group scale
- >> Accelerated decision making many critical topics addressed
- >>> Sustainability: implementation in full swing
- ... and there is more to come!

2

TECHNOLOGY AT SCALE

Speed, agility & performance



New steering principles

Focus on speed, agility & performance

Scale for cost competitiveness

Four key technology areas

Steering principles for our key technology areas



Shift to 'best owner'

Speed & execution focus Tailored local-forlocal strategies

Selected & smart partnerships

Steering for speed: Allowing technology leadership



Efficient 900 kW¹ recuperation

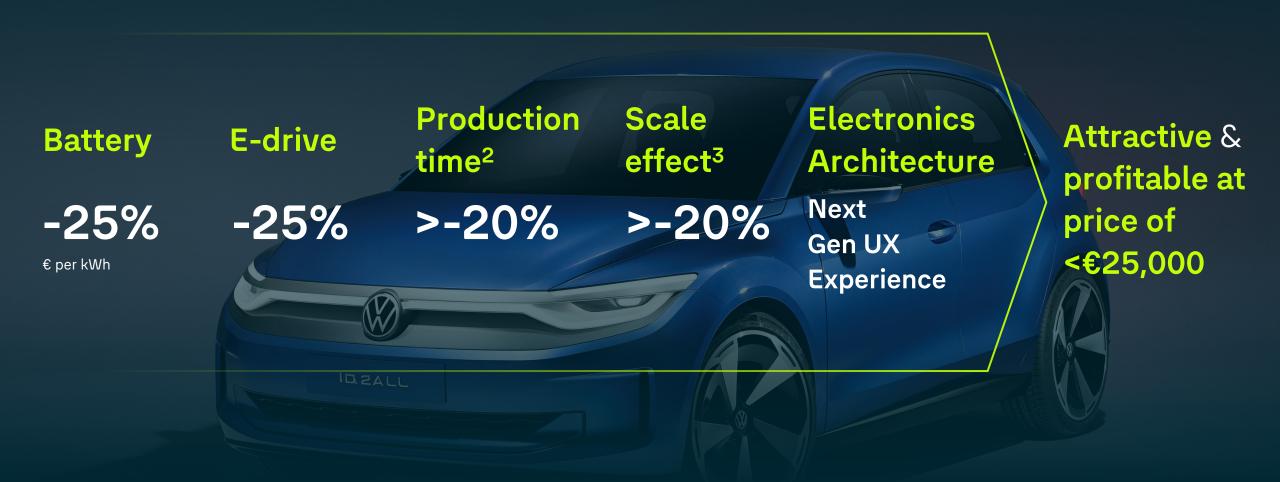
350KW/900 volt1 turbo charging

E-motors: direct stator oil cooling

Battery direct oil cooling

Steering for scale: Enabling cost competitiveness from mid decade

Cost savings vs. ID.3¹



Four key technology areas centered around customer needs

Architecture

SSP as single future backbone



Battery

Unified cell with tailored regional approach

Software

Platform scale & speed through smart partnerships

Mobility solutions

One platform for all mobility needs

Clear path to BEV competitiveness & one architecture





4 ICE architectures

2007

2019

2024/25

Today: Complexity due to multiple platforms

BEV competitiveness with MEB+ & PPE

Future: SSP as single backbone

Advancements along our path to one architecture

	•
Dim	ensions

Main segments

Engine power, kW

Charging time, min¹

ADAS

Margin parity²

MEB

A-B

110-220

~35

Up to L2+

Some

2024+ PPE

B-D

140-700

~21

L2++ & more

Selective

2025+

MEB+

A0-B

110-290

~20

Up to L2++

Selective

2026+

SSP

A0-D

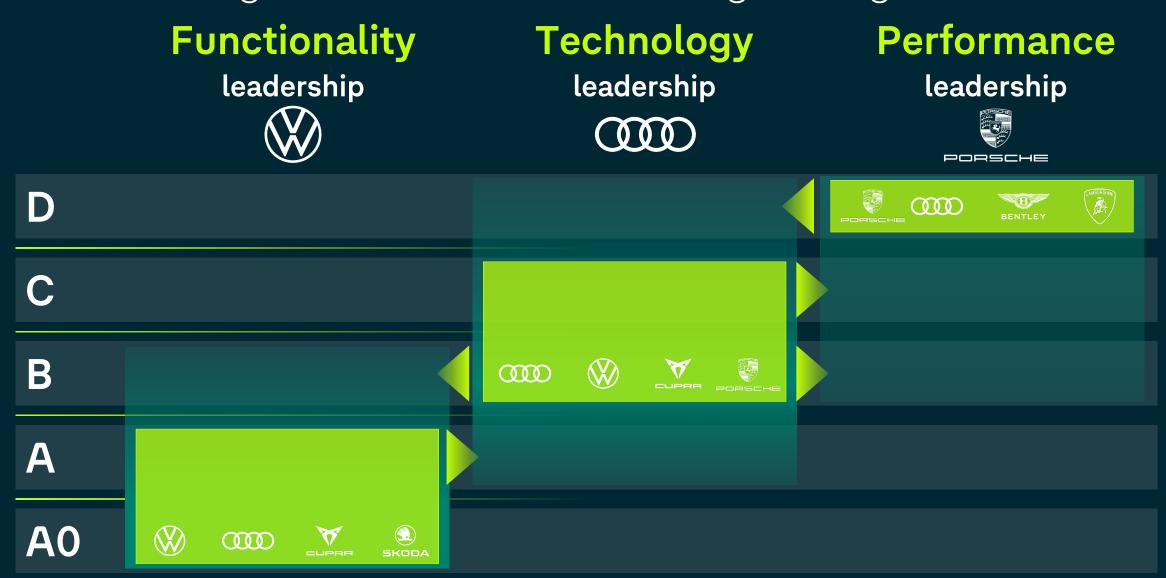
120-1,300

~12

Up to L4

Most

SSP: One single backbone, three lead engineering brands



ILLUSTRATIVE EXAMPLE OF A-SEGMENT

SSP: Customer oriented technology profile per segment

Assumption: Core competitor expected in 5 years¹ Assumption: Other competitors expected in 5 years¹ 2 Infotainment / connectivity 1 **Driving assistants Efficiency** Charging time 2 Reach

SSP: Clear benefits

Scale & standardization

Speed & differentiation

Significant module sharing for 40m units in all segments



Lead brands with flexibility to tailor to segment needs

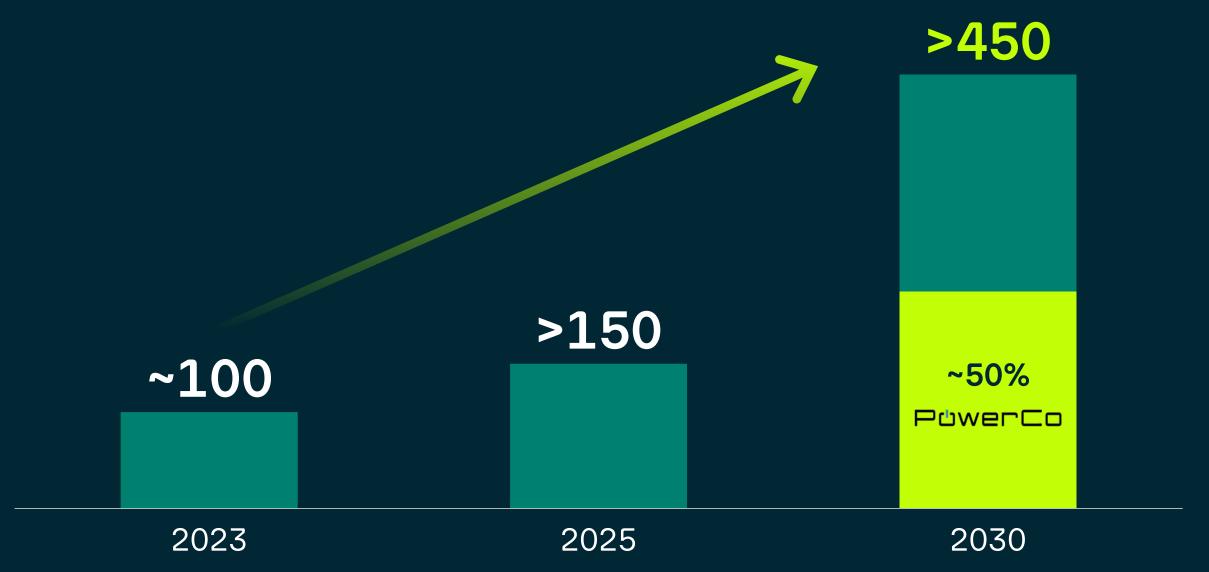
Volume scale of at least 4 brands in each segment



Efficient differentiation between brands within each segment

Ambitions | Margin parity for most BEV models¹ -30% Capex & R&D costs²

More than 450 GWh Volkswagen Group demand in 2030



Key pillars of our battery strategy



Superior & flexible Unified Cell

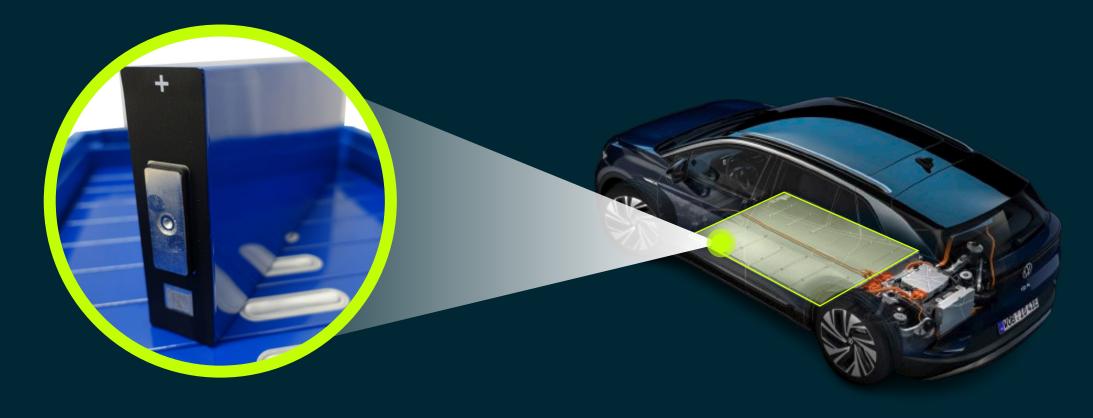
Regional sourcing strategy

Tailored mix of make & buy

PowerCo:
Competitive
supplier

Vertical integration with partners

Unified Cell: Powering up to 80% of all our BEVs in 2030



Cost reduction of up to 50%¹ through strategic initiatives (e.g. dry coating)

Adaptable to all leading chemistries

Tailored to segments & architectures

Unified cell: Tailored to requirements through flexible chemistries

- Main volumes of lead brand
 - Range of brand group usage

Core



Progressive



Sport Luxury



Performance¹

Battery systems

High-end specs for sport & luxury

Best-in-class

Leadership vs. peers for power & range

Main

Balance between performance & cost

Cost optimized

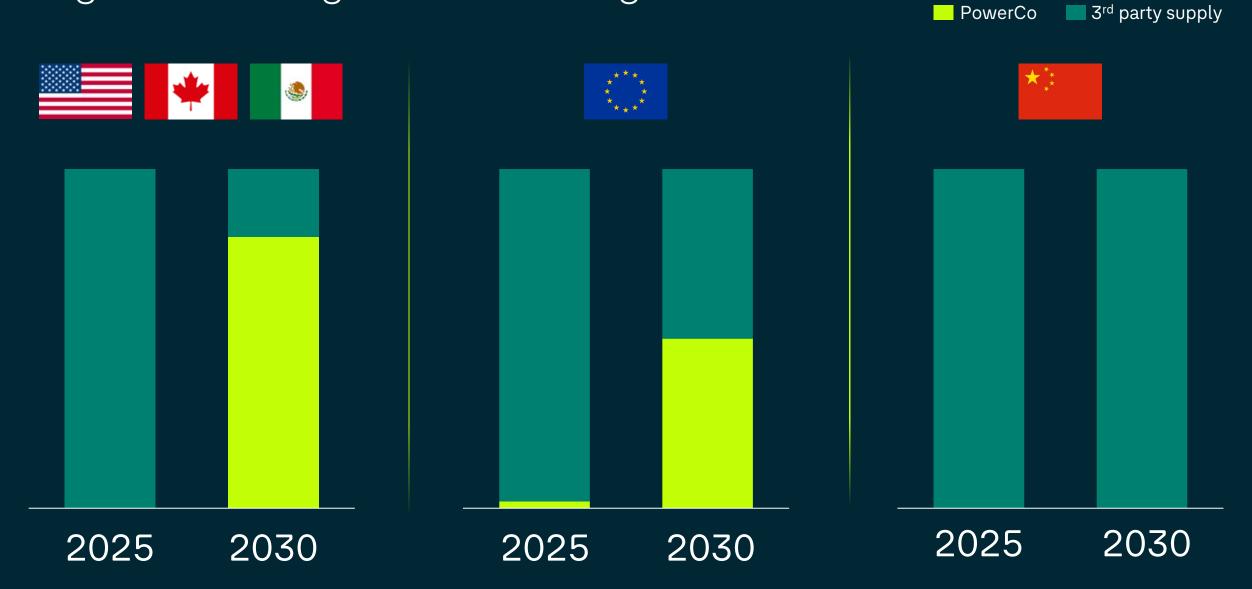
Enabler for attractive price point







Regional sourcing: Tailored strategies



PowerCo: Competitive supplier for NAR & Europe



-30 % Capex per GWh vs. state-of-the-art

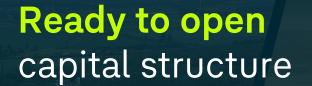
3 factories totalling ~200 GWh

Optionality for stage-gated ramp-up

VOLKSWAGEN GROUP

PowerCo: Many opportunities ahead

ILLUSTRATIVE



Ambition:
Stock market listing

2023

2024

2025

2026

2027

Closing
Umicore JV

BIC¹ chemistry

SOP **S**alzgitter

SOP SOP SOP

SOP Mario

Overall **timeline** driven by **milestones**

Technology development as priority

IPO as tangible option

Vertical integration: Balanced approach to secure supply

Instruments

Financial hedging

Long-term
agreements

Investments & partnerships

Already secured until 2030¹

Up to ~30% for all critical BEV raw materials

Battery strategy: Already delivered



Materials secured & ramp-up at speed

Leading technology & focus on sustainability

Best talent with leading experts

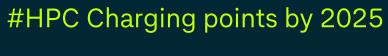
Charging: Leading assets







Largest EU MSP¹, energy supplier & HPC² player





Leading HPC² player in China

Energy: In-house energy stack



Compatibility with Volkswagen AG cloud



Local fleet load management & expansion to grid services



Wholesale energy management integration & smart services

Build proprietary energy stack

Manage local fleet loading

Optimize energy market

Software: Status quo assessment

Strengths

- Unique position of Volkswagen Group due to scale
- Regional partnerships

 (e.g. Horizon Robotics, Bosch)
- Software talent base

Challenges

- Attractiveness of software features
- In-time delivery at competitive costs
- Alignment of requirements across Volkswagen Group

CARIAD: Plan for comprehensive re-alignment



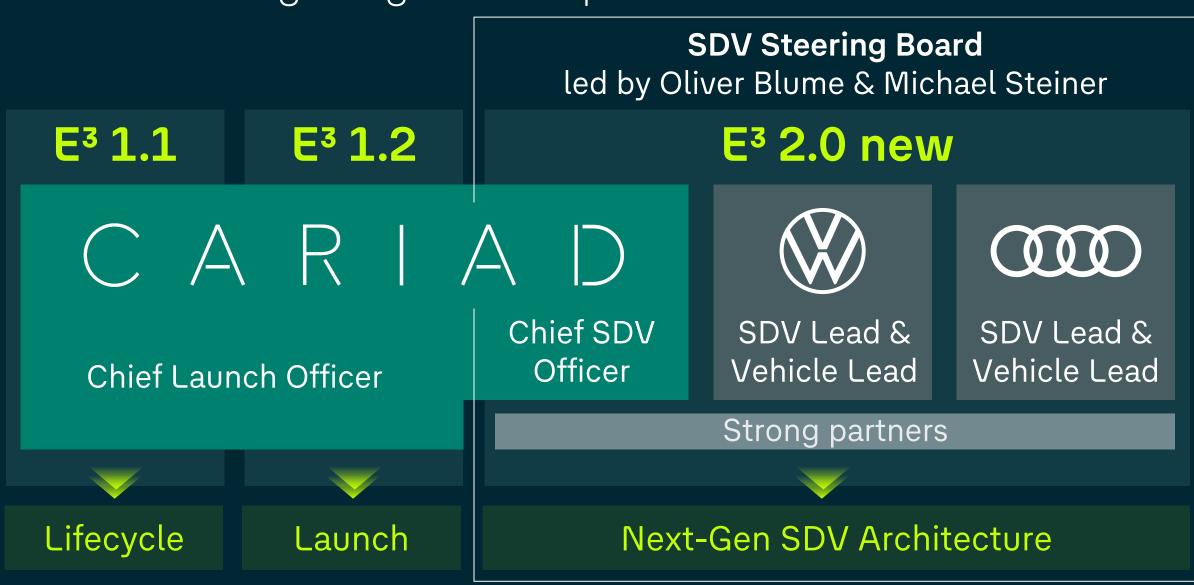
Restructuring & stronger ties to lead brands

Accelerated execution of E³ 1.2 platform

Structural focus on SDV¹ for E³ 2.0

Intensified technology partnerships New leadership & collaboration model

E³: Restructuring along software platforms



E³ 1.1 & E³ 1.2: Accelerated execution with brands

 $E^{3}1.1+(2025+)$

In collaboration with VW / Audi

- Increasing competitiveness
 via over-the-air updates
- Roadmap of exciting new features

Advanced Personalized
Driver Assistance Infotainment

Extended range

Extended battery life

 E^3 1.2 (2024+)

In collaboration with Audi / Porsche

Short-term delivery push for e-Macan & Q6 e-tron

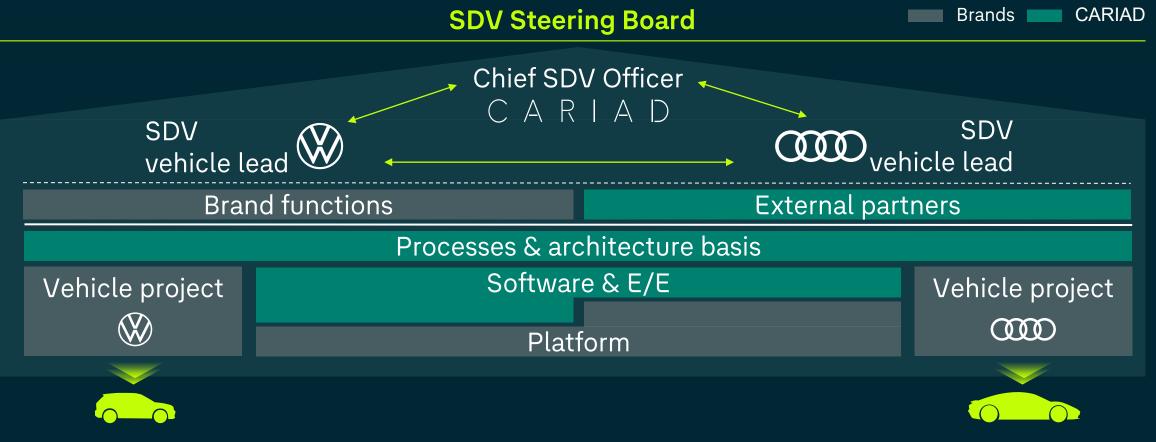
Development of highly competitive features

Al based Application Store Assistant (e.g. DAZN, Spotify)

Hands free Driving Update capabilities for all ECUs

47

E³ 2.0: Vision for the future



Small, experienced core team

Redefined architecture & partners

Fast time to market as key objective

Empowered
SDV development hub

Joint focus on lead vehicle delivery

Partners: Global & regional partnerships

Global

Harman/ Kardon

Apps Q4/2019

Semiconductors Q2/2022



BOSCH

ADAS Q1/2022

Qualcomm mobileye **ADAS** Q2/2023

China



ADAS Q4/2022



Connectivity & Infotainment Q2/2023

Mobility solutions: Robotaxi strategy & plan

Preparation: Prototypes

Transition: ID. Buzz AD

Scale: SPV



First commercial deployment in Hamburg in 2026

mobileye^{™1}

Roll-out into 70+ cities with car park of 167k vehicles

Initial tests already ongoing

Clear plan with 70+ cities in **Europe & US**

Competitive offering with right partners

Significant experience through MOIA

Stage-gated & capital efficient approach

Mobility solutions: Roadmap for mobility platform

- via Volkswagen Group
- via EMG
- via 3rd party
- ... to years



From minutes ...



Micro











Lease

Finance



Brands as face to the customer

VOLKSWAGEN FINANCIAL SERVICES

Integrated mobility platform as backbone



ONE FLEET¹ operated by EMG

2

TECHNOLOGY AT SCALE: Key takeaways

- New steering based on best owner approach & partnerships
- >>> Superior architecture with SSP as single future backbone
- >> Industry-leading battery strategy with full optionality
- >>> Reset of software strategy to deliver competitive products
- >>> One mobility platform positioned to capture future upside



Unrivalled portfolio with focus on entrepreneurship

Unmatched brand portfolio

Coherent design strategy

Momentum in product pipeline Four entrepreneurial brand groups

Unrivalled portfolio: leading market positions

Segment

Market position

Volkswagen Group brands

Luxury

1st







Modern Luxury¹

1st





Premium

Top 3





Volume

Top 4













Trucks

Top 2











4 5 6

Exciting brands with more than 100 million customers



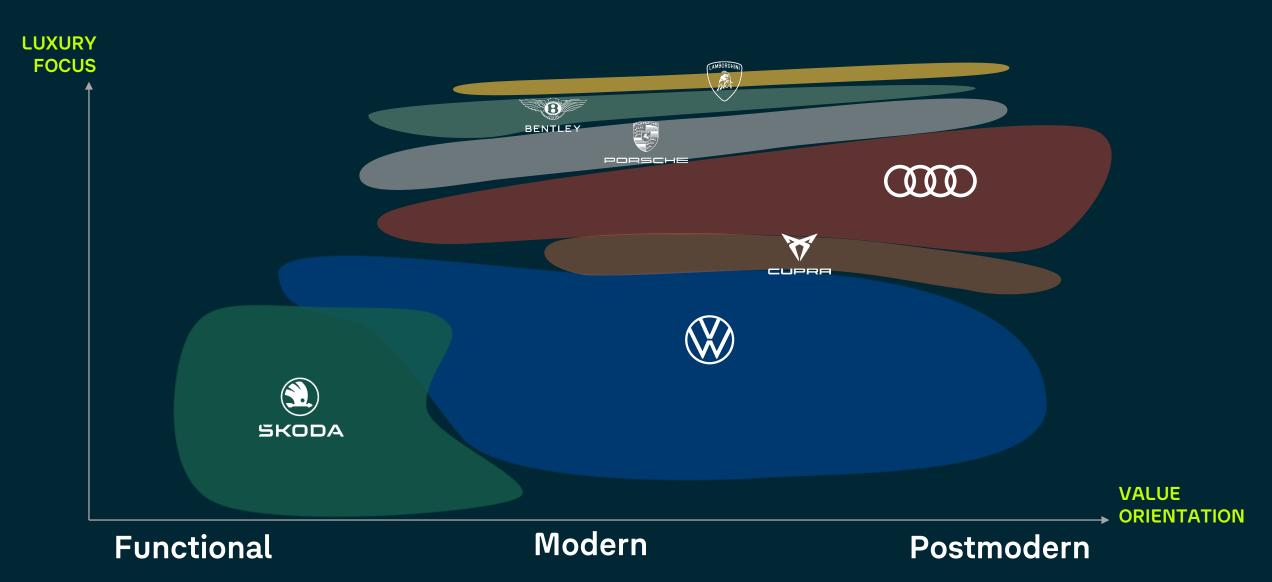
Iconic heritage

Unique brand identities

Global customer base

Continuous reinvention

Unrivalled portfolio with significant upside potential



Iconic & differentiated design philosophies



Differentiatedbrand identities

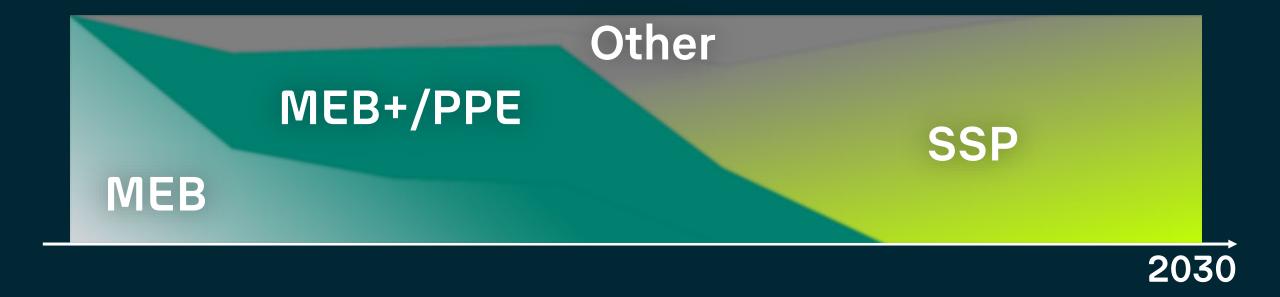
From brand design ID to product design ID

Tailormade **user** experience

VOLKSWAGEN GROUP

Accelerating momentum of new model launches





Increased competitiveness via launch pipeline

80 BEV launches until 2030

Lower complexity through SSP as single architecture

Brand Group Core









Status quo assessment

Today's strengths

Market leading position in China & Europe



>>> Strong brand portfolio









Today's challenges

BEV & SDV <<<cr>
competitiveness

Brand **((**

Strategic priorities



New governance with clear responsibility

Clear differentiation across brands

Focus on costs & capital efficiency

Synergies, innovation & BEV share

VW brand: Reviving most loved brand



Build on heritage & fans

Replicate ICE success in BEV

Significant cost improvements

Resilient cash flow & margins

3.6%

4 5 6

Return on Sales >>> 2022

Product positioning (mix, content, pricing)

Cost initiatives

(material, fixed, production, sales, R&D costs)

>> Structural synergies

(overhead, distribution, new business opportunities)

6.5%

Return on Sales 2026

Specific goals aimed at cost & complexity reduction

~€10bn sustainable improvement To be developed with employee representatives involved

Skoda: Your bold companion to explore the world



Modern solid design

Functional, value for money

Cost efficiency champion

Track record of 10% RoS



VOLKSWAGEN GROUP





Contemporary, young brand

Fastest growing
European brand

Innovation speedboat

10% RoS as strategic target

Financial targets - Brand Group Core

Key Performance Indicator	Last Reported 2022	Mid-term 2027	Strategic Target 2030
Sales Revenue	~€114bn		
Return on Sales ¹	3.6 %	~8 %	>8 %
Cash Conversion Rate ²	30 %	~60 %	>60 %
BEV Penetration ³	~8 %	~35 %	>50 %

4 5 6





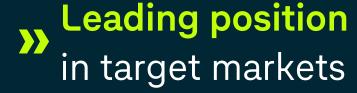




Status quo assessment

Today's strengths

Strong performance track record



Double-digit RoS& high cash conversion









Today's challenges

Realize full potential of the Audi brand

Re-balance regional footprint

Execute successful **EXECUTE** SDV transformation



Capture
high-margin
market potential

Tailored strategies
for North America
& China

Brand-specific strategies for BEV & SDV leadership Successful execution of product roadmap



Launch new competitive **BEV** products

Offer best-in-class design & customer experiences

C/D model shift & strengthening **RS** offering

Tailored portfolio for China & North America

Lamborghini & Bentley: Success stories to continue



4 5 6



Leading luxury market position

Clear & distinct brand DNA

Access to Group technology

Attractive financial profile

Financial targets - Brand Group Progressive

Key Performance Indicator	Last Reported 2022	Mid-term 2027	Strategic Target 2030
Sales Revenue	~€62bn		
Return on Sales ¹	12.3 % 10.5% ²	~12 %	~14 %
Cash Conversion Rate ³	64 %	~75 %	~75 %
BEV Penetration ⁴	~11 %	~40 %	~75 %

Brand Group Sport Luxury



Porsche definition of modern luxury

Freedom of self-expression

Iconic, most personal product

It's not what you buy, it's what you buy into.

Responsible corporate citizen

Porsche family as community

Exciting experiences

Unique position in luxury automotive segment

ILLUSTRATIVE

Automotive revenue per car¹, in € k²

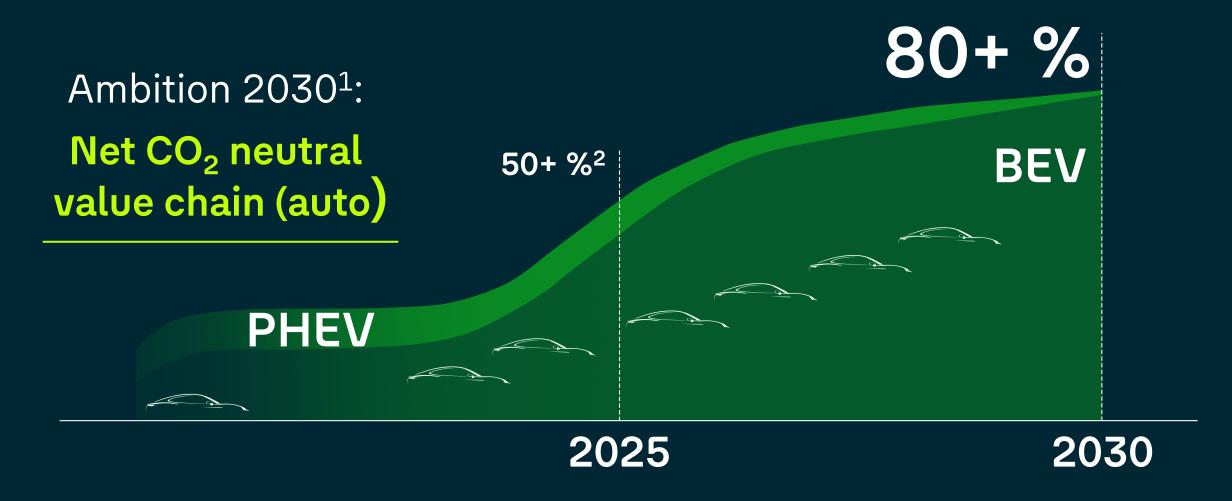




Porsche with 80+ % BEV share ambition in 2030

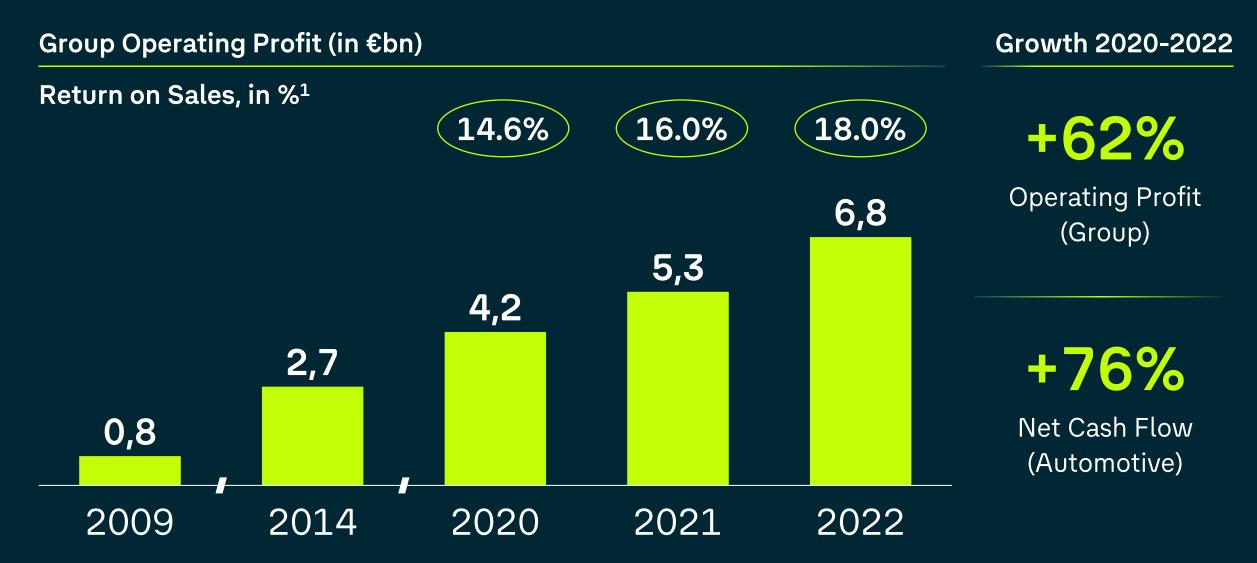
ILLUSTRATIVE

Share of Deliveries p.a., in %



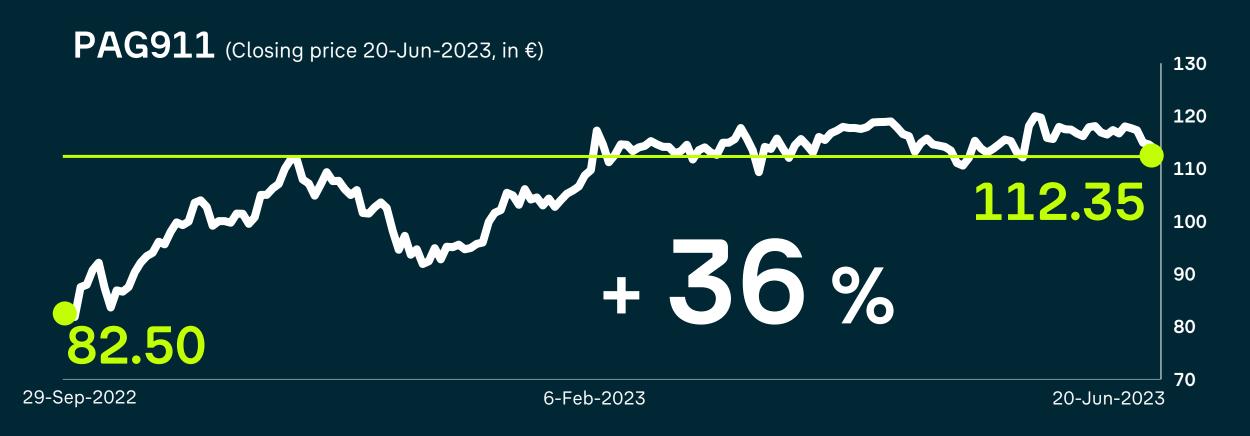
GROUP

Strong financials with strong potential



4 5 6





Landmark IPO in Sep 2022

Fast-entry DAX inclusion in Dec 2022

Continued performance

Financial targets - Brand Group Sport Luxury

Key Performance Indicator	Last Reported 2022	Mid-term	Strategic Target
Sales Revenue ¹	~€35bn		
Return on Sales ^{2,3}	18.0 %	17-19 %	>20 %
Cash Conversion Rate ^{4,5}	60 %	>60 %6	n/a ⁷
BEV Penetration ⁸	~11 %	>50 %	>80 %

Brand Group Trucks









Status quo assessment

Today's strengths

- Portfolio of strong brands
- >>> Coverage of largest regional profit pools
- >>> State-of-the-art products & technology









Today's challenges

Realize potential of **COLLABORATION**

Transition to sustainable transport

Improve brand **margins** & cash flows

4 5 6



Leverage **TRATON Modular System**

Sustainable **BEV** transformation

Profitable growth & new **business** models

Focus on performance & capital allocation

Financial targets - Brand Group Trucks

Key Performance Indicator	Last Reported 2022	Mid-term	Strategic Target
Sales Revenue ¹	~€40bn		
Return on Sales ²	4.0 %	~9 % ³	~9 % ³
Cash Conversion Rate ^{4,5}	n/a	~70 %	~70 %

- 3 UNLEASHED BRANDS: Key takeaways
- >>> Four efficient & entrepreneurial brand groups
- Achieve 6.5% RoS for VW brand in 2026
- >>> Realize full potential of Audi in electrified era
- >>> Continue to exploit #1 position in luxury
- >>> Further execution on TRATON's strategic & financial trajectory



Global & regional powerhouse

#1 international OEM in China

Extend leading position in Europe

Double-down efforts for NAR profit pools

Leading global presence with upside

Market share, FY2022 (in %)1

North America

~5%

South America

~13%

Europe

~23%

China

~15%

Status quo assessment for China

Today's strengths

- #1 Group in China,#3 in premium, #1 luxury
- >>> Strong brands & partners with leading customer base & fleet
- Technology & image advantage in ICE segment

Today's challenges

Competitiveness in fast-growing BEV market

New tech competitors with digital ecosystem

Agility & execution speed, intensifying decoupling

Strategic priorities

5 6



#1 international OEM & among TOP 3 in Chinese market

Tailored, superior ICV product offerings

Target proportionate OP mid-term >€2.5bn¹

Focus on China's luxury segment



Largest global market in segment

Leading brands within luxury market

Extend **#1** position via dedicated offering

5 6



Enforce **customer** centricity & upgrade UX

Fast ramp-up of 100% Tech Co. as local R&D hub

Lever strength of local JV partners

Build on revitalized brands & BEV ramp up

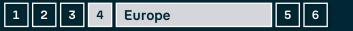
Status quo assessment for Europe

Today's strengths

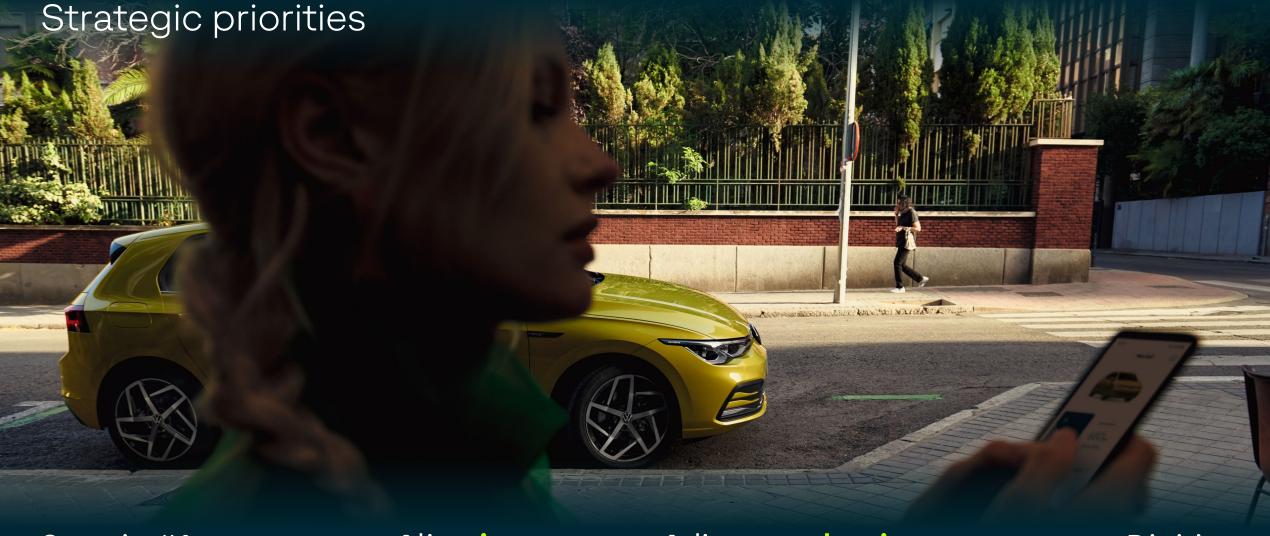
- #1 OEM in home market
- >>> In-depth understanding of customer needs
- Strong brand recognition
 & loyal customer base

Today's challenges

- High fixed costs & **««** capital intensity
 - Competitiveness
 of BEV offering
- High complexity in portfolio & distribution



VOLKSWAGEN GROUP



Sustain #1 in home market

Align invest with profit pool

Adjust production capacity

Digitize dealer network

Today's strengths

Strong turnaround & increasing profitability

Strong position in growing luxury segment

Leading BEV ecosystem via Electrify America

Today's challenges

Tailored product offering

Critical mass in </

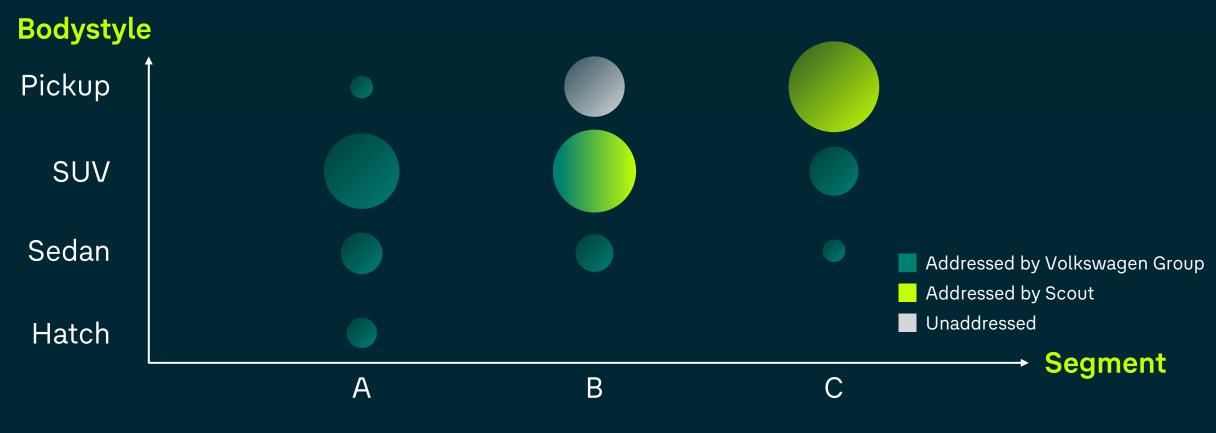
Value chain localization

VOLKSWAGEN GROUP

Scout to complement the product portfolio

ILLUSTRATIVE

Expected US market profit pools in 2030



Most promising future profit pools

Dedicated SUV & pick-up portfolio

Revival of iconic **Scout** brand

Tailored product portfolio

New regional governance

Localization of value chain

New plant in South Carolina

Significant potential beyond core regions: South America

Production plant Taubate Anchieta **Curitiba Buenos Aires**

Long history & degree of localization

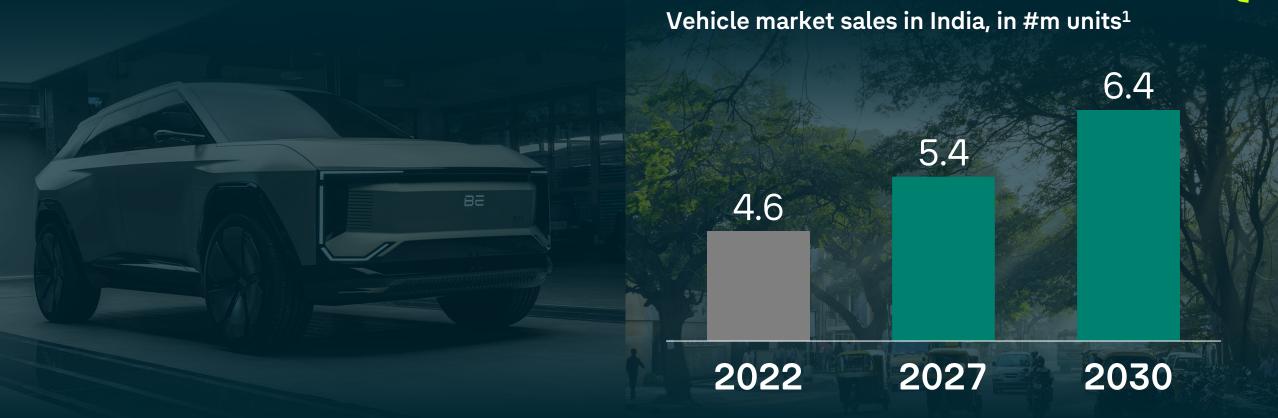
Successful restructuring over last years

Financial turnaround in 2021

Portfolio shift to attractive SUV & CUV segments

Significant potential beyond core regions: India





Asset-light growth opportunity

Opt-in for **Group technology**

Agreed term sheet with Mahindra



REGIONAL LEADERSHIP: Key takeaways

- >>> Leading global scale & regionally tailored strategies
- >>> China: #1 international OEM today & tomorrow
- >>> Europe: #1 in home market & reduced asset intensity
- >>> North America: Address untapped market potential
- >>> Overseas: Seeking additional profit pools worldwide



Fostering entrepreneurship & faster decision-making

Legacy paradigm

"Outgrow fixed costs"

New steering model

"Value over volume"

Clear focus on profitability, fixed costs & cash flow

Capital efficiency & disciplined investments

Focused approach to equity investments

Aligned management incentivization

Based on Integrity & corporate values

Platforms fostering group-wide cooperation



New Core KPI-Set to unleash entrepreneurial spirit

Principles ("WHAT")

Core KPI-Set ("HOW")

Value over volume

Profitability focus & cost discipline

Cash flow focus

Capital efficiency

Sales revenue growth

Operating result¹

Net cash flow²

Investment ratio³

Return on Sales¹

Cash Conversion Rate⁴

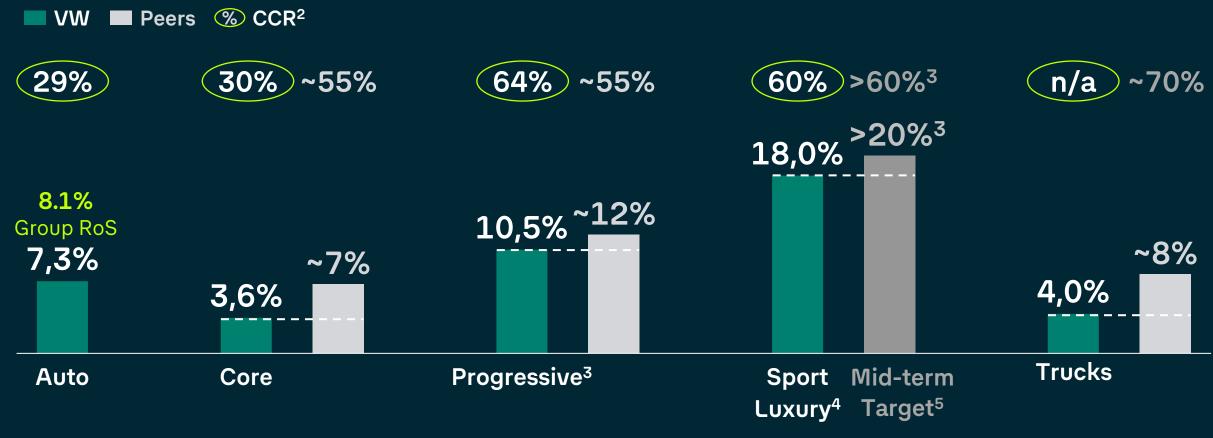
ROI²

VOLKSWAGEN GROUP

Steering towards benchmark profitability & CCR

ILLUSTRATIVE

Return on Sales¹ & Cash Conversion Rate² (FY2022)



Benchmark as minimum ambition

Group-wide performance programs

Functional & structural dimension

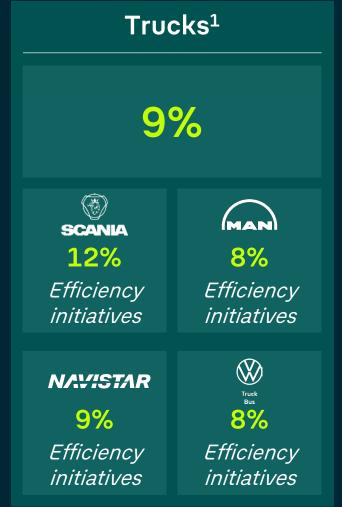
All brands started ambitious performance programs

RoS targets









1 2 3 4 5

Functional fields of action identified on brand level



All levers addressed

Ambitious levels & action fields

Clear accountability

Prudent management of overhead costs on Group level

ILLUSTRATIVE



Positive contribution of existing programs

Ongoing assessment of further potential

Group-wide steering to ensure target delivery

Structural measures to optimize capacity utilization in Europe



Aligned with realistic volume assumptions

Realignment towards permanent workforces

Reduce factory capacity by net ~10%¹

Clear capital allocation strategy across functions & brands

ILLUSTRATIVE

Capex & R&D combined for the Automotive Division as % of Automotive revenue; cum. over the mid-term¹



Competitive top-down capital allocation

Focus on core brands & competitiveness

Batteries & strategic Group topics temporarily 'on top'

111

Regional capital allocation aligned with profit pools



	Expected profit pool	Examples
China		>> VW Anhui>> 100% Local R&D hub
North America		ScoutBattery factory Ontario
Europe		>>> Plant transformation>>> Battery ramp-up
Overseas		>>> India 2.0

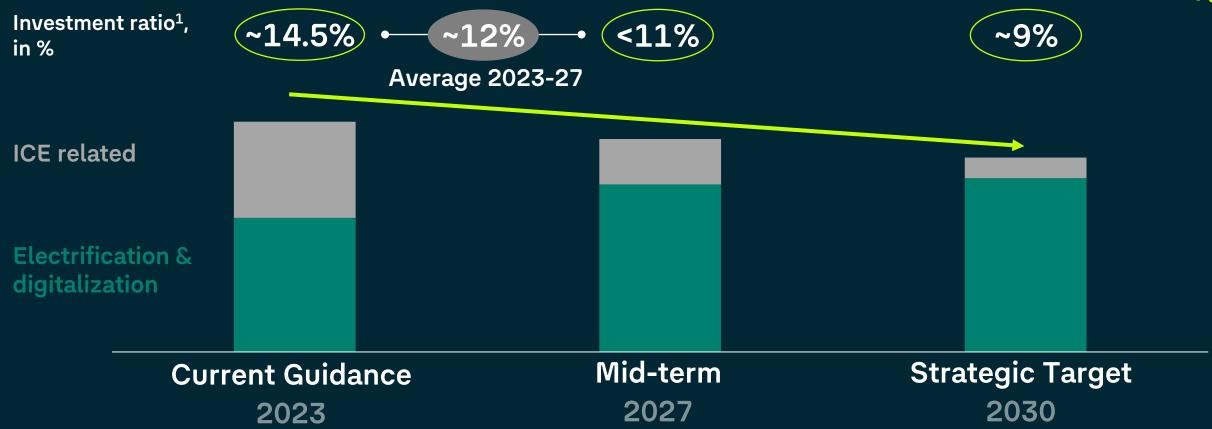
Profit pool focus

NAR & Overseas step-up

Local-for-local shift

Investments to decrease after successful transition

ILLUSTRATIVE



Parallel investments in ICE fading out

Shift to electrification & digitalization investments

Decrease investments as % of auto revenues

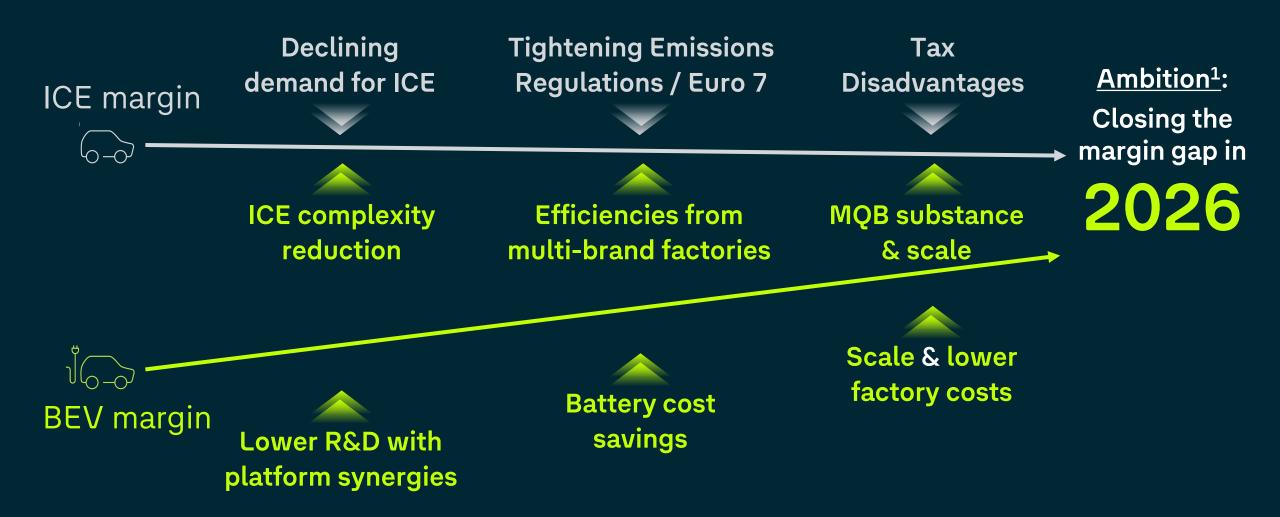
Tangible levers to keep ICE margin stable

ILLUSTRATIVE



Tangible levers for margin parity on selected projects

ILLUSTRATIVE



Active equity investment management approach for NCS1

~ €15bn

Book value > 250

Non-controlled shareholdings on Group level

Clusters of strategic & financial investments

Best-owner principle as guiding element

Clear reporting lines for each asset cluster

Finding the right solutions for controlled shareholdings



Experience across structural alternatives

Right solution for individual assets

Blueprints for future moves

Planned changes to variable management compensation ILLUSTRATIVE

Long-term incentive (LTI)

LTI focusses on shareholder value

LTI measured against group performance

Short-term incentive (STI)

>>> STI focusses on cash flow & profitability targets

Intention

In progress

- STI measured against brand & brand group performance
- ESG targets as important multipliers in STI (indirectly contained via LTI)

Intention

Consistency from the bottom to the top

NEW STEERING MODEL: Key takeaways

- >>> Leadership principles translated into financial framework
- >>> Brand groups target benchmark profitability & cash flow
- >>> Capital allocation with clear orientation on profit pools
- >> Active equity investments management approach
- >> Incentivization aligned to brand & brand group performance



Cash flow, profitability & capital efficiency at centre stage

Profitability track record & very stable balance sheet

Strong start into 2023

Delivery of financial targets plus active approach to NCS

Focus on attractive shareholder returns

Track record of sustainable financial performance

Return on Sales, in %1



Stability in crises

Upside potential

Historical growth

Balance sheet strength improved over the cycle



Q1/2023: Continued strong financial results

€76.2bn

Group revenue

€**5.7**bn

Group operating profit¹ **€7.1**bn excl. FV of derivatives²

7.5%

Group Return on Sales¹
9.3% excl. FV of derivatives²

€2.2bn

Automotive net cash flow

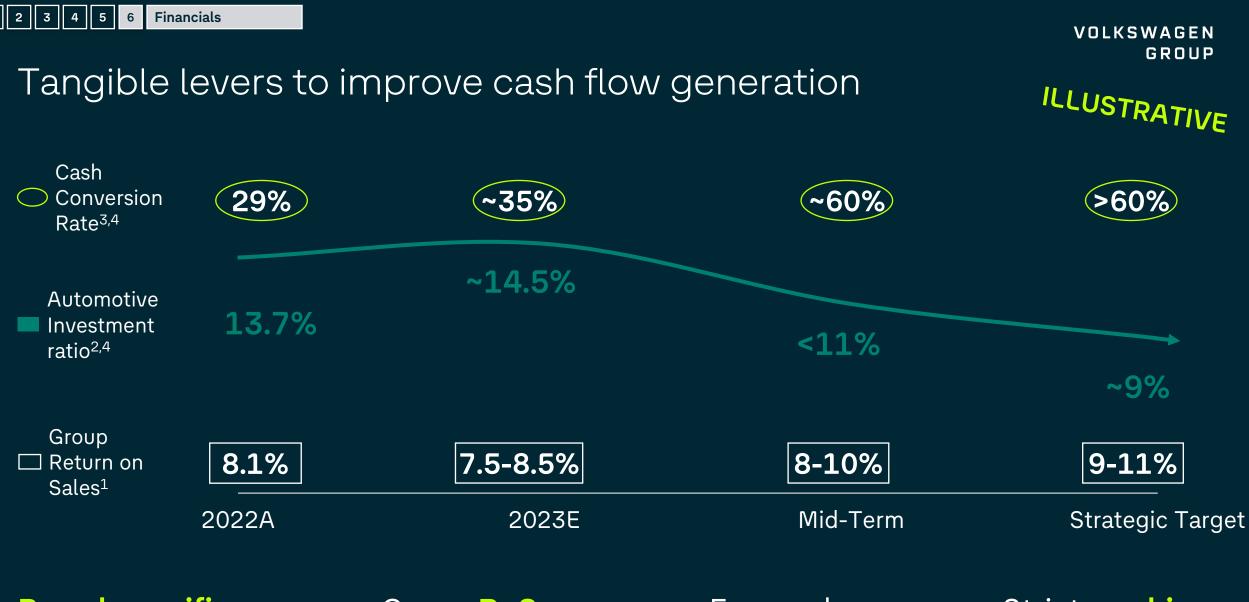
49.0%

Automotive Cash Conversion Rate (CCR)³ €38.4bn

Automotive net industrial liquidity

Volkswagen Group financial targets

	Last disclosure 2022	Guidance as anchor 2023	Mid-term 2027	Strategic Target 2030
Group revenue (in % p.a CAGR from anchor year)	€279.2bn	€307-321bn	5-7%	In-line with industry
Group Operating Profit ¹	€22.5bn			
Group Return on Sales¹	8.1%	7.5-8.5%	8-10%	9-11%
Automotive Investment ratio ^{2,5}	13.7%	~14.5%	<11%	~9%
Automotive CCR ^{3,4,5}	28.9%	~35%	~60%	>60%
Automotive Net cash flow ⁵	€4.8bn	€6-8bn		



Brand specific margin targets

Group RoS expansion

Focused investment strategy

Strict working cap. management

Supported by targets on individual brand group level

Brand groups	Core	Progressive	Sport Luxury ¹	Trucks ¹
•	Mid- Strategic term Target	Mid- Strategic term Target	Mid- Strategic term Target	Mid- Strategic term Target
Return on Sales ²	8%	12% 14%	19%4 20%4	9% ⁶
Cash Conversion Rate ³	60%	75%	60% ⁵	70 % ⁷
BEV Share ⁸ [%]	35% 50%	40% 75%	50% ⁹ 80% ⁹	

Tailored targets for PowerCo & CARIAD

Technology Platforms	PůwerCo		CARIAD
	Strategic Target		Strategic Target
Sales Revenues ¹	>€20bn		>€4bn
Operating Result ²	>10%		>10%
OP break-even	2029		2027
Cash flow break-even	2030		2028

VOLKSWAGEN GROUP

VW Group Mobility supporting stability & enabling future profit pools

Q1/2023: VW FS Performance

Financial ambition

21.5

Contracts (in #m units)
31 Mar 2023

0.32%

Credit loss ratio
Jan - Mar 2023

~€4bn

Operating profit
Mid-term

€1.2bn

Operating result¹
Jan - Mar 2023

14.9%

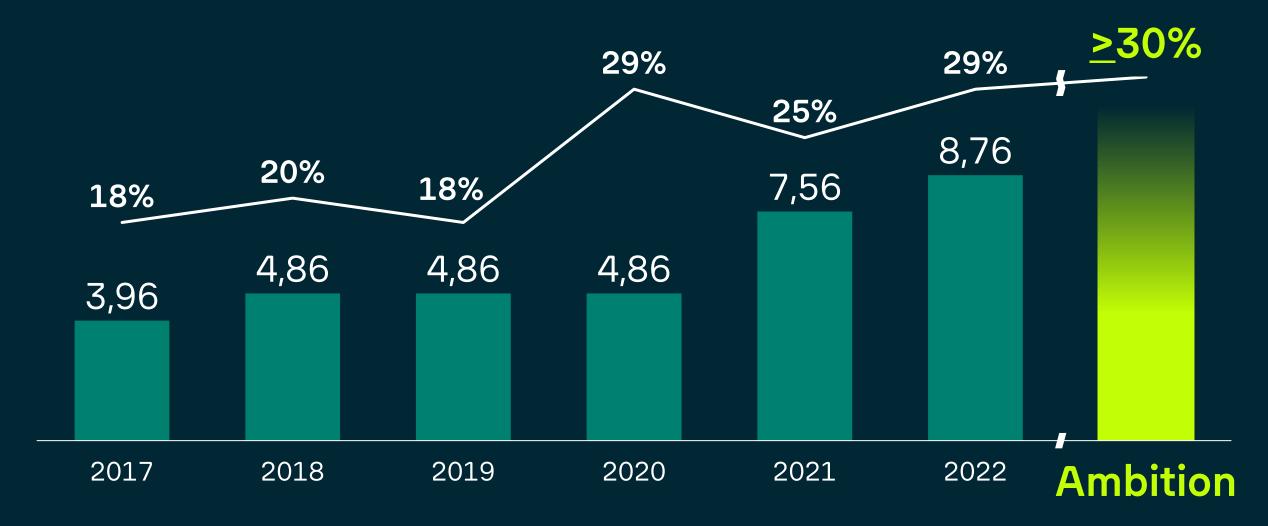
Return on equity²
Jan - Mar 2023

>€**5**bn

Operating profit
Strategic Target

Shareholders to participate in Group success

Dividend per preferred share (in €) ¹ & payout ratio (as % of Group net income)



Financials

- >>> Active management of transformation from position of strength
- >>> Clear commitment to achieving financial targets
- >>> Disciplined spending & deliver attractive shareholder returns
- >>> Ambition of minimum dividend payout of 30%

CLOSING REMARKS

Our promise ...



FIVE REASONS

Why the Volkswagen Group story was not compelling in the past

- 1 Software: Turnaround CARIAD & competitiveness
- 2 China: Speed of transformation
- **3** Control: Complexity, speed & reliability
- **4 ESG**: Currently not 'investment grade' rated & MSCI red-flag
- (5) Margins, CCR & capital efficiency: Scoring low against competitors

FIVE COMMITMENTS

from the new management team

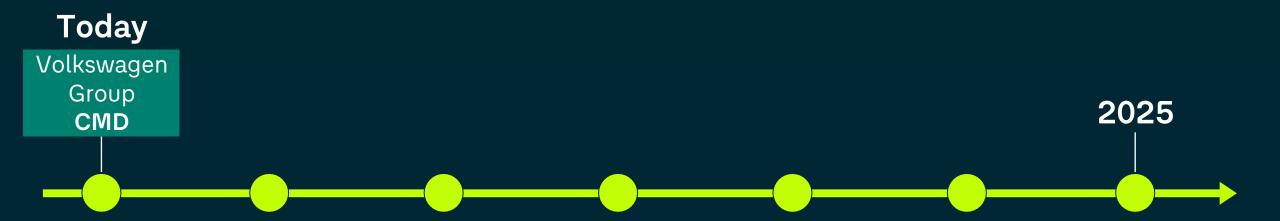
- 1 Software: Clear restructuring plan for CARIAD
- (2) China: Focusing on customer needs through localization
- (3) Steering model: New steering model ensures entrepreneurship
- (4) ESG: 'Investment grade' by 2025 & indep. audit in 2023 planned
- 5 Financials: Margin & CCR improvements via performance programs

FIVE REASONS

Why the Volkswagen Group story is already compelling

- (1) Unique brand portfolio with a large global customer base
- (2) Credible concept for a successful transformation
- 3 Cost advantages through economies of scale in technology fields
- 4 Attractive financial outlook for cash flow, profit & margins
- 5 New steering model: focus on entrepreneurship & capital market

Today's Capital Markets Day as the starting point for a series of events – stay tuned!



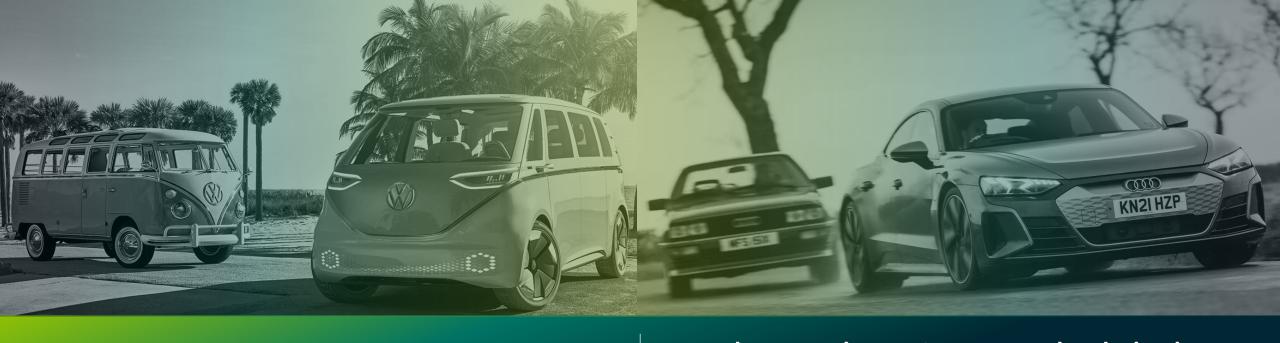
Selected events to look forward to





China Strategy Day

Software Strategy Day Battery Strategy Day Volkswagen Group Mobility Day



VOLKSWAGEN GROUP

Porsche Experience Center Hockenheimring 21 June 2023





Abbrevation	Full Term	Definition
A0-D	Segments A0-D	Car market segments as per Euro Car Segment classification
ADAS	Advanced Driver Assistance System	
Auto	Automotive	Volkswagen Group Automotive division or relative to Automotive division
BEV	Battery Electric Vehicle	
CAGR	Compound annual growth rate	
Capex	Capital Expenditure	
CCR	Cash Conversion Rate	Reported Net Cash Flow divided by Operating Profit after special items of the Automotive division
CEO	Chief Executive Officer	•
CFO	Chief Financial Officer	
COO	Chief Operating Office	

Abbrevation	Full Term	Definition
DAX	'Deutscher Aktienindex'	Stock market index consisting of the 40 major German blue-chip companies trading on the Frankfurt Stock Exchange
E/E	Electric / electronic architecture	
ECU	Electronic control unit	
EMG	Europcar Mobility Group	
ESG	Environmental Social Governance	
FV	Fair value	Used on relation to the fair value measurement of derivatives / other financial instruments
HQ	Headquarter	
HPC	High power charging	
HR	Human Resources	
HUT expense	Expense for vehicle derivation	Refers to expense required for vehicle elements that need to be changed to create vehicle derivatives

Abbrevation	Full Term	Definition
ICE	Internal Combustion Engine	
ICV	Intelligent connected vehicle	Same meaning as SDV – used for Chinese market.
ID	Identity	
IPO	Initial public offering	
ISS	International Shareholder Services	Leading provider of corporate governance and responsible investment solutions, market intelligence, fund services, and events and editorial content
L2-L4	Level 2-4	Refers to levels of autonomous driving functionality
LTI	Long-term incentive	
MEB / MEB+	'Modularer E-Antriebs Baukasten'	-
MLB	'Modularer Längsbaukasten'	
MQB	'Modularer Querbaukasten'	

Abbrevation	Full Term	Definition
MSB	'Modularer Standard- antriebsbaukasten'	
MSP	Mobility service provider	
NAR	North America	Includes United States, Canada and Mexico as per Volkswagen Group market segmentation
Next Gen UX	Next generation user experience	Future user experience for vehicles
NSF	New Small Family platform	
OEM	Original Equipment Manufacturer	
OP / EBIT	Operating Profit	Operating result before financial result and income tax expense
P911		Equity ticker symbol for Dr. Ing. h.c. F. Porsche AG (listed on Frankfurt Stock Exchange)
PHEV	Plug-in Hybrid Vehicle	Plug-In hybrid electric vehicle as defined per S&P Global Mobility

Abbrevation	Full Term	Definition
PPE	Premium Platform Electric	
Q1	First quarter	
R&D	Research & development (expense	
ROI	Return on Investment	Operating result after tax divided by average invested capital
RoS	Return on Sales	Operating Profit divided by Sales Revenue; usually specified as before or after special items
RS	'RennSport'	Range of high performance car models of Audi (via Audi Sport)
SDV	Software defined vehicle	Same meaning as ICV – used for European and North American market.
SoC	State of charge	State of charge for battery in % from 0-100%
SOP	Start of production	
SSP	Scalable Systems Platform	

Abbrevation	Full Term	Definition
STI	Short-term incentive	
SUV	Sports Utility Vehicle	
UFC	Unified Cell	
UX	User experience	Digital user experience & interface for vehicles
VW FS / FS	(Volkswagen) Financial Services	Volkswagen Group Financial Services division or relative to Financial Services division
YoY	Year-on-year	Comparison to period in previous year

Model	Fuel consumption combined (WLTP)	Electrical consumption combined (WLTP)	CO ₂ emissions combined (WLTP)	Electric range combined (WLTP)
VW brand				
VW Golf (p. 95)	6.3-4.3 l/100km	n/a	143-106 g/km	n/a
VW ID.4 (p. 53, 86, 133)	n/a	17.7-16.6 kWh/100 km	0 g/km	361-531 km
VW ID.4 GTX (p. 16)	n/a	19.6-17.2 kWh/100 km	0 g/km	340-480 km
Volkswagen ID.2 all¹ (p. 26, 47, 58)	n/a	n/a	n/a	n/a
Volkswagen ID.7 ² (p. 62, 64)	n/a	n/a	n/a	n/a
Volkswagen ID. AERO 01 ¹ (p. 91)	n/a	n/a	n/a	n/a
VW Taigo (Nivus) (p. 99)	4.7-5.1 l/100km	n/a	117-108 g/km	n/a

Model	Fuel consumption combined (WLTP)	Electrical consumption combined (WLTP)	CO ₂ emissions combined (WLTP)	Electric range combined (WLTP)
Skoda				
Skoda Enyaq (p. 14)	n/a	21.6-14.6 kWh/100 km	0 g/km	355-537 km
Skoda Enyaq Coupé RS iV (p. 53, 62, 86, 133)	n/a	17.5-16.9 kWh/100 km	0 g/km	502-517 km
Skoda Vision 7S¹ (p. 58, 65)	n/a	n/a	n/a	n/a

Model	Fuel consumption combined (WLTP)	Electrical consumption combined (WLTP)	CO ₂ emissions combined (WLTP)	Electric range combined (WLTP)
Cupra				
Cupra Tavascan (p. 16)	n/a	16.6-15.6 kWh/100 km	0 g/km	517-549 km
Cupra Born 77 (p. 53, 62, 86, 133)	n/a	17.5-15.7 kWh/100 km	0 g/km	496-552 km
Cupra UrbanRebel (Raval)¹ (p. 58, 66)	n/a	n/a	n/a	n/a

Model	Fuel consumption combined (WLTP)	Electrical consumption combined (WLTP)	CO ₂ emissions combined (WLTP)	Electric range combined (WLTP)
VW Commercial Vehicles				
ID. Buzz Pro (p. 1, 16, 50, 53, 63, 86, 133, 138)	n/a	21.8-20.6 kWh/100 km	0 g/km	402-423 km
VW ID. Buzz Cargo (p. 62)	n/a	22.3-20.3 kWh/100 km	0 g/km	402-425 km

Model	Fuel consumption combined (WLTP)	Electrical consumption combined (WLTP)	CO ₂ emissions combined (WLTP)	Electric range combined (WLTP)
Audi				
Audi e-tron GT (p. 1, 91, 138)	n/a	21.6-19.6 kWh/100 km	0 g/km	458-502 km
Audi E-Tron Prototyp¹ (p. 16)	n/a	n/a	n/a	n/a
Audi RS e-tron GT (p. 70)	n/a	22.1-19.8 kWh/100 km	0 g/km	Up to 495 km
Audi Q6 e-tron² (p. 47)	n/a	n/a	n/a	n/a
Audi Q8 e-tron (p. 53, 86, 133)	n/a	24.4-20.1 kWh/100 km	0 g/km	Up to 582 km
Audi grandsphere concept ¹ (p. 58, 71)	n/a	n/a	n/a	n/a

Model	Fuel consumption combined (WLTP)	Electrical consumption combined (WLTP)	CO ₂ emissions combined (WLTP)	Electric range combined (WLTP)
Bentley				
Bentley Continental GT (p. 16)	13.7-12.1 l/100km	n/a	311-275 g/km	n/a
Model Range Bentley Flying Spur (p. 72)	15.0-12.7 l/100km	n/a	340-288 g/km	n/a
Bentley Flying Spur Hybrid (p. 70)	3.3 l/100km	n/a	75 g/km	Up to 41 km
Bentley Batur by Mulliner (p. 58)	12.5-14.1 l/100km	n/a	284-320 g/km	n/a

Model	Fuel consumption combined (WLTP)	Electrical consumption combined (WLTP)	CO ₂ emissions combined (WLTP)	Electric range combined (WLTP)
Lamborghini				
Lamborghini Huracan STO (p. 70)	13.9 l/100 km	n/a	331 g/km	n/a
Lamborghini Urus Performante (p. 72)	14.1 l/100km	n/a	320 g/km	n/a
Lamborghini Revuelto¹ (p. 58)	n/a	n/a	n/a	n/a

Model	Fuel consumption combined (WLTP)	Electrical consumption combined (WLTP)	CO ₂ emissions combined (WLTP)	Electric range combined (WLTP)
Ducati				
Ducati Panigale V4 SP2 (p. 70)	7.6 l/100 km	n/a	175 g/km	n/a
Ducati Multistrada V4 S (p. 70)	6.5 l/100 km	n/a	162 g/km	n/a

Model	Fuel consumption combined (WLTP)	Electrical consumption combined (WLTP)	CO ₂ emissions combined (WLTP)	Electric range combined (WLTP)
Porsche				
Model Range Taycan (p. 1, 75, 77, 138)	n/a	24.1-19.6 kWh/100 km	0 g/km	370-512 km
Model Range 911 (p. 1, 8, 21, 77, 133, 138)	13.4-10.1 l/100 km	n/a	305-229 g/km	n/a
Model Range 718 (p. 77)	13.2-8.9 l/100 km	n/a	299-201 g/km	n/a
Model Range Panamera (ICE) (p. 77)	13.3-10.2 l/100 km	n/a	299-232 g/km	n/a
Model Range Panamera E-Hybrid (p. 53, 77, 86, 92, 133)	3.0-2.0 l/100 km	24.9-22.6 kWh/100 km	69-45 g/km	49-54 km
Model Range Macan (p. 77)	11.7-10.1 l/100 km	n/a	265-228 g/km	n/a

Model	Fuel consumption combined (WLTP)	Electrical consumption combined (WLTP)	CO ₂ emissions combined (WLTP)	Electric range combined (WLTP)
Porsche (cont'd)				
Model Range Macan (p. 77)	11.7-10.1 l/100 km	n/a	265-228 g/km	n/a
Model Range Cayenne (ICE) (p. 77)	13.4-10.8 l/100 km	n/a	303-247 g/km	n/a
Model Range Cayenne E- Hybrid (p. 77)	1.8-1.5 l/100 km	30.8-28.6 kWh/100 km	42-33 g/km	66-74 km
Porsche Mission R ¹ (p. 25, 58)	n/a	n/a	n/a	n/a

Model Bugatti	Fuel consumption combined (WLTP)	Electrical consumption combined (WLTP)	CO ₂ emissions combined (WLTP)	Electric range combined (WLTP)
Bugatti Chiron Super Sport (p. 117)	21.5 l/100km	n/a	487 g/km	n/a

Model	Fuel consumption combined (WLTP)	Electrical consumption combined (WLTP)	CO ₂ emissions combined (WLTP)	Electric range combined (WLTP)
Mahindra				
Mahindra BE.07 ¹ (p. 100)	n/a	n/a	n/a	n/a

Weitere Informationen zum offiziellen Kraftstoffverbrauch und den offiziellen spezifischen CO₂-Emissionen neuer Personenkraftwagen können dem "Leitfaden über den Kraftstoffverbrauch, die CO₂-Emissionen und den Stromverbrauch neuer Personenkraftwagen" entnommen werden, der an allen Verkaufsstellen und bei DAT (Deutsche Automobil Treuhand GmbH, Hellmuth-Hirth-Str. 1, 73760 Ostfildern, https://www.dat.de/co2/) unentgeltlich erhältlich ist.

A guide on fuel economy, CO2 emissions and electric power consumption which contains data for all new passenger car models is available at any point of sale free of charge and from DAT (Deutsche Automobil Treuhand GmbH, Hellmuth-Hirth Str. 1, 73760 Ostfildern-Scharnhausen, Germany, https://www.dat.de/co2/)