

Leading the Transformation.

September 26th, 2022 HSBC German Investor Roadshow

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.

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 2022.

Any changes in significant parameters relating to our key sales markets, or any significant shifts in exchange rates, energy and other commodities or commodities relevant to the Volkswagen Group or the supply with parts, or deviations in the actual effects of the Covid-19 pandemic from the scenario presented will have a corresponding effect on the development of our business. In addition, there may 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 Such statements are valid on the date of publication and can be superseded.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.



Volkswagen Group – Deliveries to Customers by Brands ¹

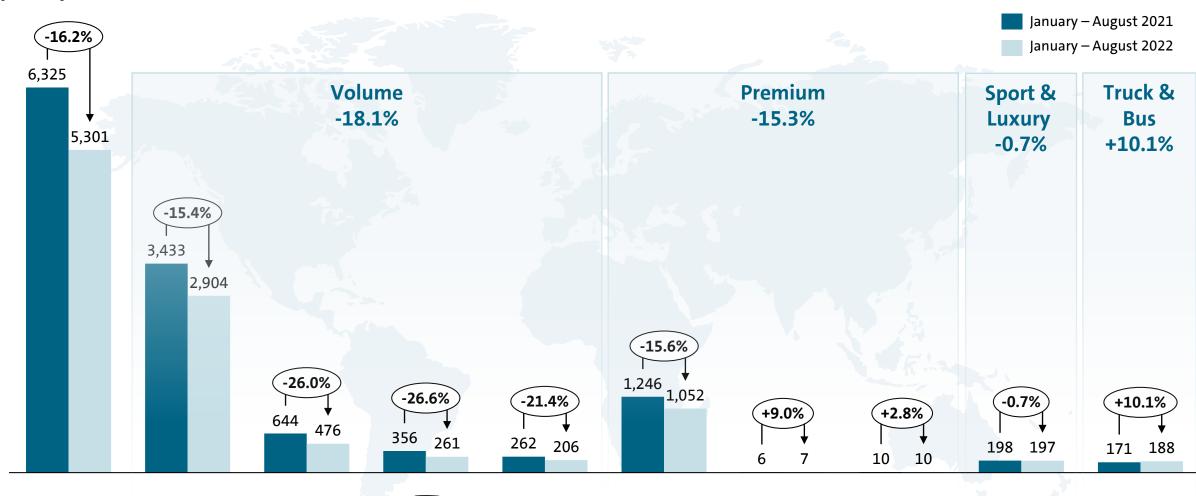
SEAT

ŠKODA



January to August 2022 vs. 2021

[thd. veh.]



Nutzfahrzeuge

Audi



VOLKSWAGEN

TRATON

BENTLEY

PORSCHE

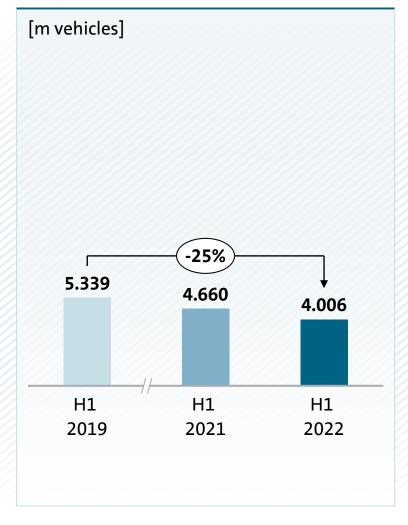




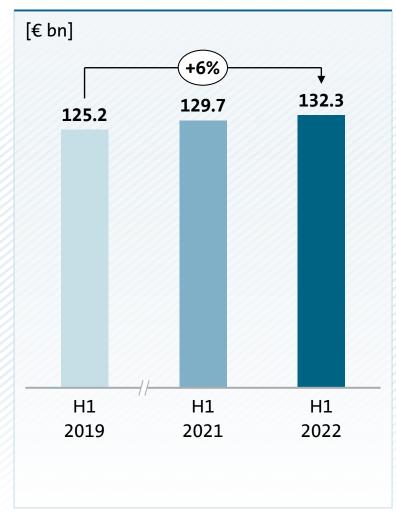
Solid figures despite lower sales are testimony to our robust business model

January to June 2019 vs. 2021 vs. 2022

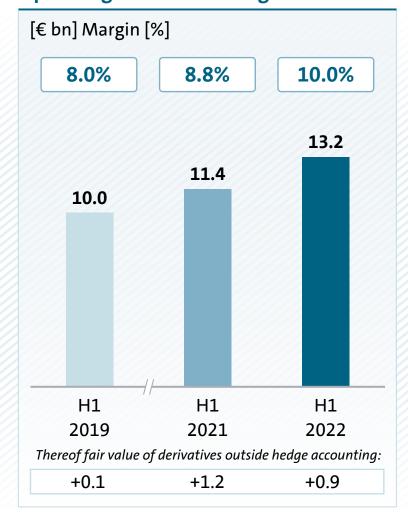
Vehicle Sales



Sales Revenue



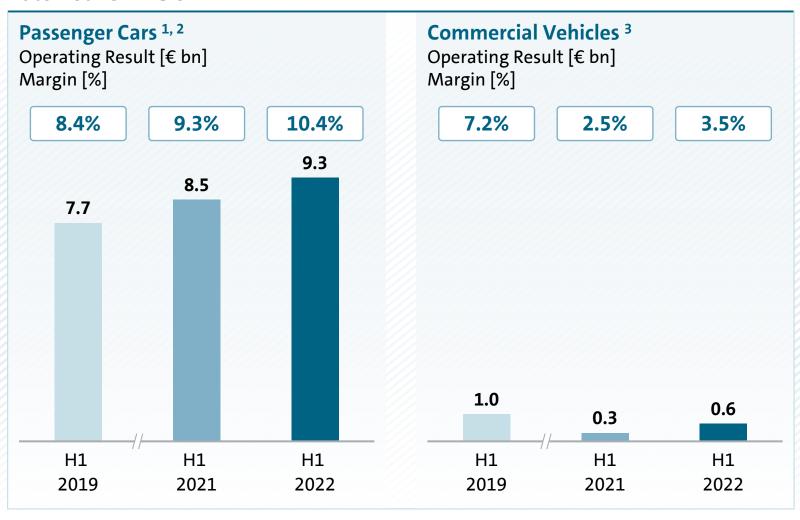
Operating Result and Margin¹



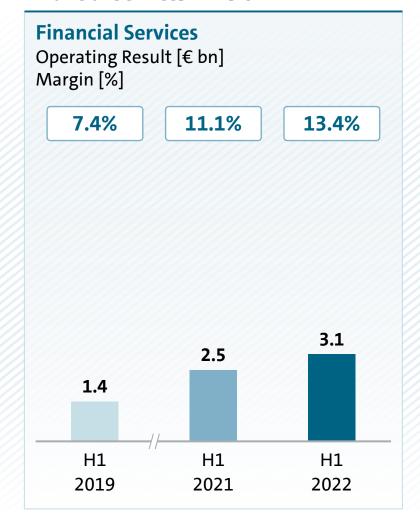


Solid Margins in Passenger Cars and Financial Services Division January to June 2019 vs. 2021 vs. 2022

Automotive Division



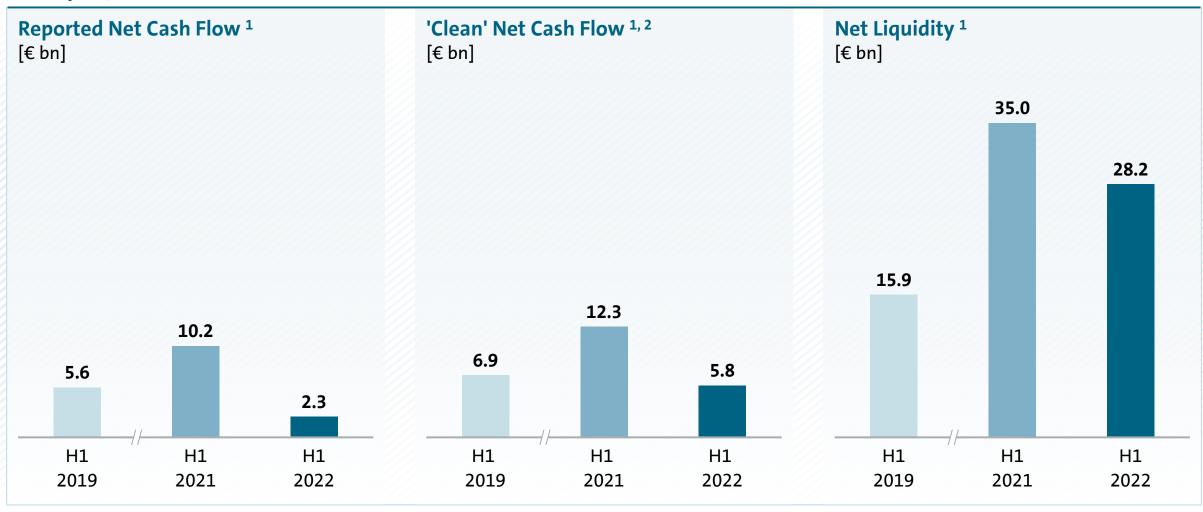
Financial Services Division





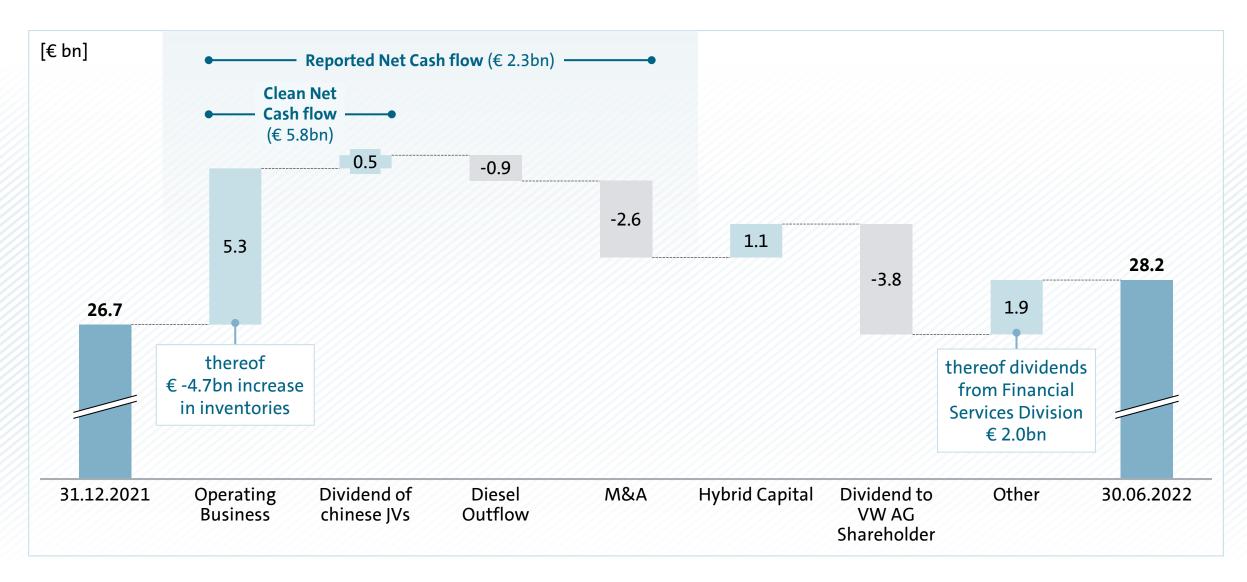
Automotive Net Cash in H1 impacted by Changes in Working Capital in preparation for higher sales in H2; Automotive Net Liquidity remains solid

January to June 2019 vs. 2021 vs. 2022



Automotive Net Liquidity remains solid





¹ All figures shown are rounded, minor discrepancies may arise from addition of these amounts.



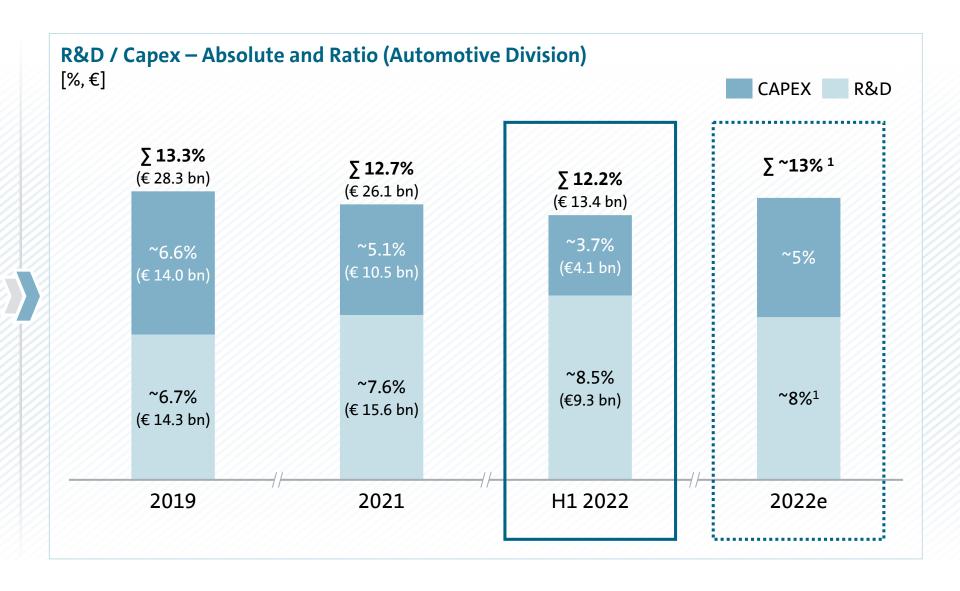
Increase in R&D especially for Software compensated by CAPEX Discipline



Reducing complexity / variances Focus on synergies Multi brand production in MQB plants

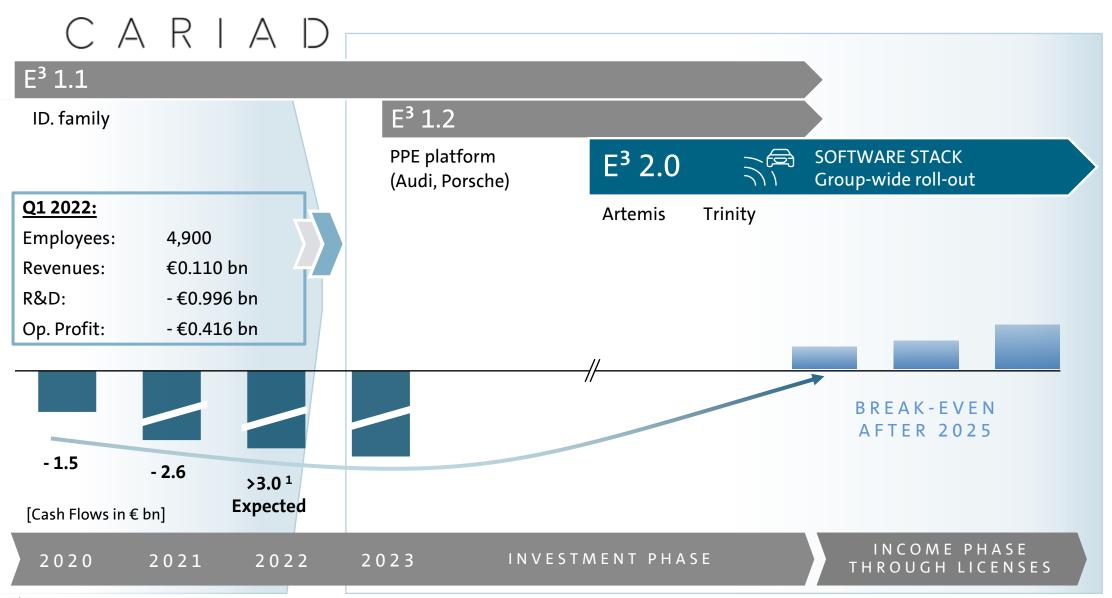


Investment in software





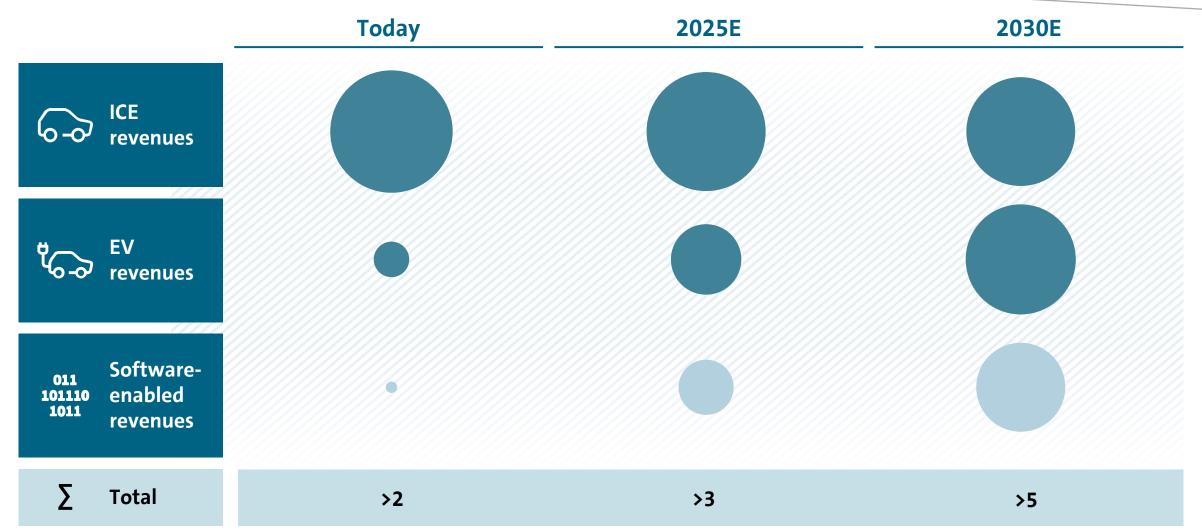
CARIAD business model – Software is the key differentiator for the future, scale is key



Automotive new car revenue pools are expected to shift fundamentally due to new technologies



Schematic overview

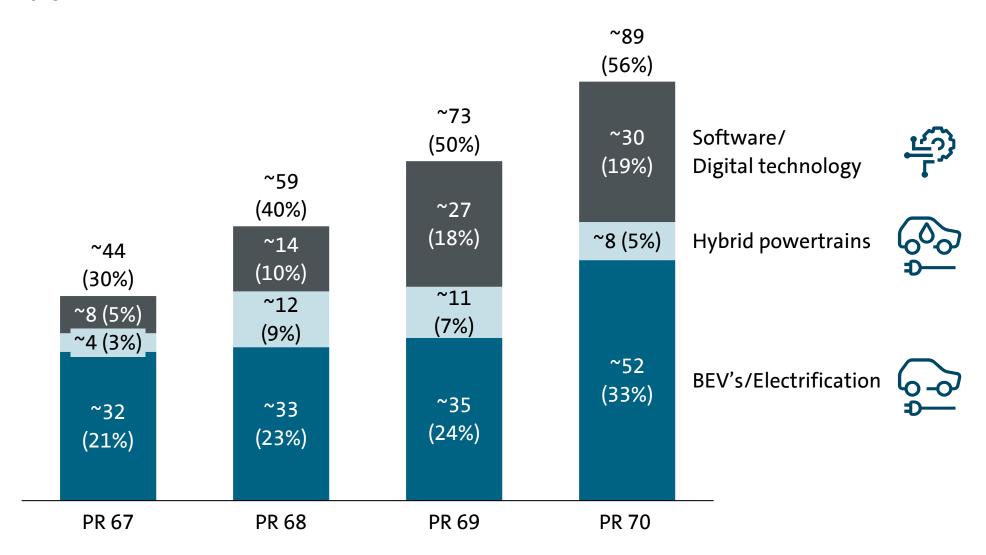


Values in € trillion





EUR billions







Key financi	al targets		2019 Actual	2020 Actual	2021 Actual	2023 Interim Strategic Targets	2025/26 Strategic Targets
Operating return on sales before Special Items		Percent	7.6	4.8	8.0	7-9	8-9
Return on investment Automotive Division before Special Items			12.6	7.1	10.8	~14	>15
Capex ratio Automotive Division			6.6	6.1	5.1	~6	~5
R&D cost ratio Automotive Division			6.7	8.0	7.6	~6.5	~6
Cash Automotive Division	a) Clean Net Cashflow Automotive Division w/o Diesel and M&A	EUR billions	13.5	10.0	15.5	13-15	>15
	b) Net Liquidity		21.3	26.8	26.7	~10% of Group sales revenue	

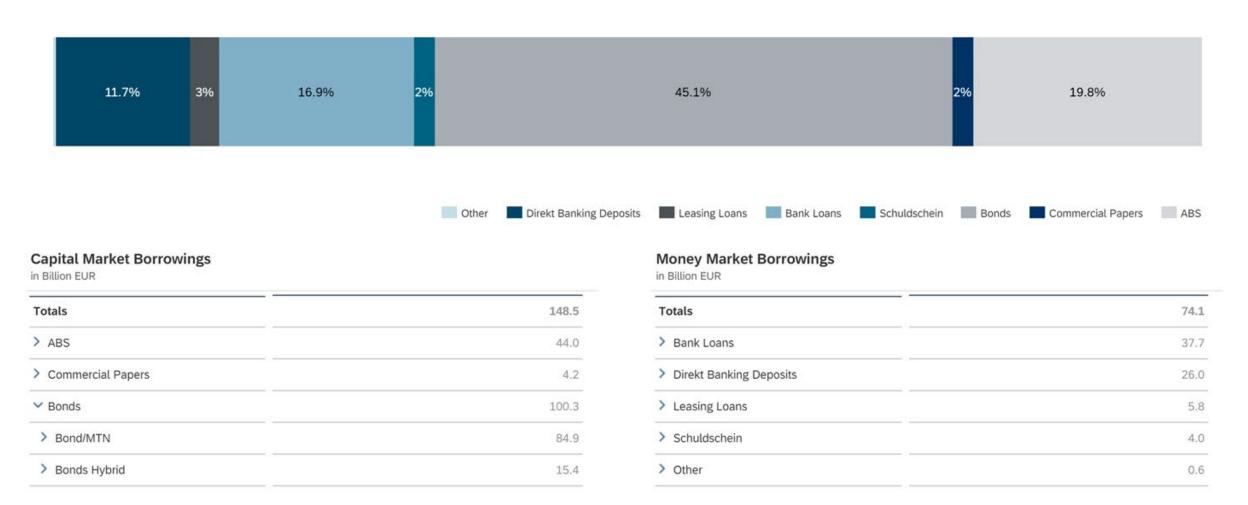


Leading the Transformation.

Funding



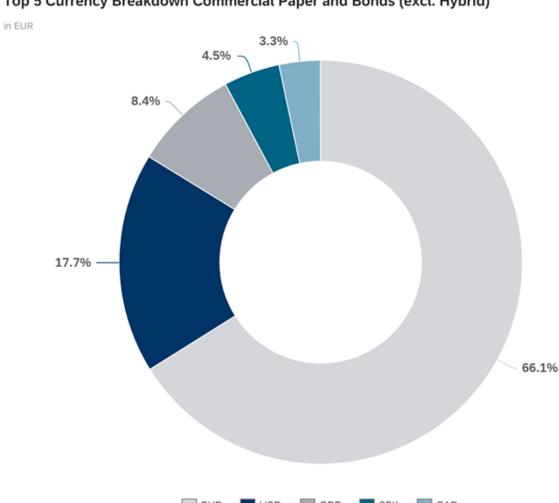
Volkswagen Group Funding Strategy - Sources As of Jun 30, 2022



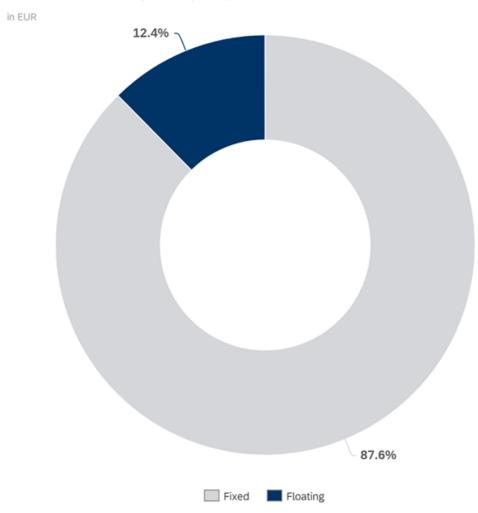


Volkswagen Group - Diversification of unsecured Funding As of Jun 30, 2022

Top 5 Currency Breakdown Commercial Paper and Bonds (excl. Hybrid)



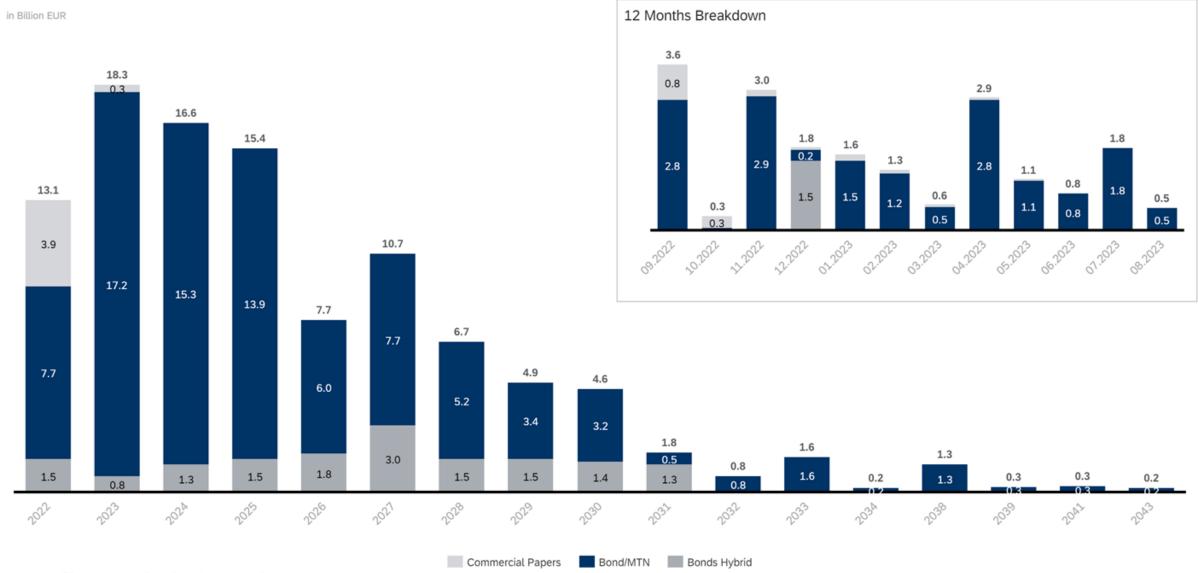
Fix vs. Float Bonds (excl. Hybrid)



Sums may differ due to rounding effects. | Source: Volkswagen AG



Volkswagen Group Funding Strategy - Bond Maturity Profile As of Jun 30, 2022









Outlook for 2022: Core KPIs confirmed ¹

		Act	tual	Outlook	
		2020	2021	2022 1	
**	Deliveries to customers m vehicles	9.3	8.9	5% to 10% up on the previous year	
©	Sales revenue € bn	222.9 ~~~~~	250.2	8% to 13% higher than the prior-year figure	
<u>~</u>	Operating return on sales ² %	4.8	8.0	In the range of 7.0% to <u>8.5%</u>	
€	Automotive Clean Net Cash flow € bn	10.0	15.5	In the range of 13 – 15 bn €	
€	Automotive Reported Net Cash flow € bn	6.4	8.6	Same level as in the previous year ³	
ĕ.€	Automotive Net Liquidity € bn	26.8	26.7	Up to 15% higher than prior-year figure	

¹ It The Russia-Ukraine conflict has created considerable uncertainty, particularly with regard to the potential impact of the actions of the political players, primarily where the duration, intensity and allocation of energy supplies and their impact on the supply chain are concerned.

Particularly, the supply of energy, other raw materials and parts for the production process could result in greater constraints, especially in Europe, where a gas shortage is possible. Higher energy and commodity prices plus greater volatility could add to the strain. Furthermore, inflation rates could reduce purchasing power, adversely affect consumer behavior and put a damper on demand for our products. Moreover, the need might arise to recognize further impairment losses on assets and additional risk provisions.

2 Before special items

3 Including any cash outflows in connection with the EU antitrust proceedings against Scania



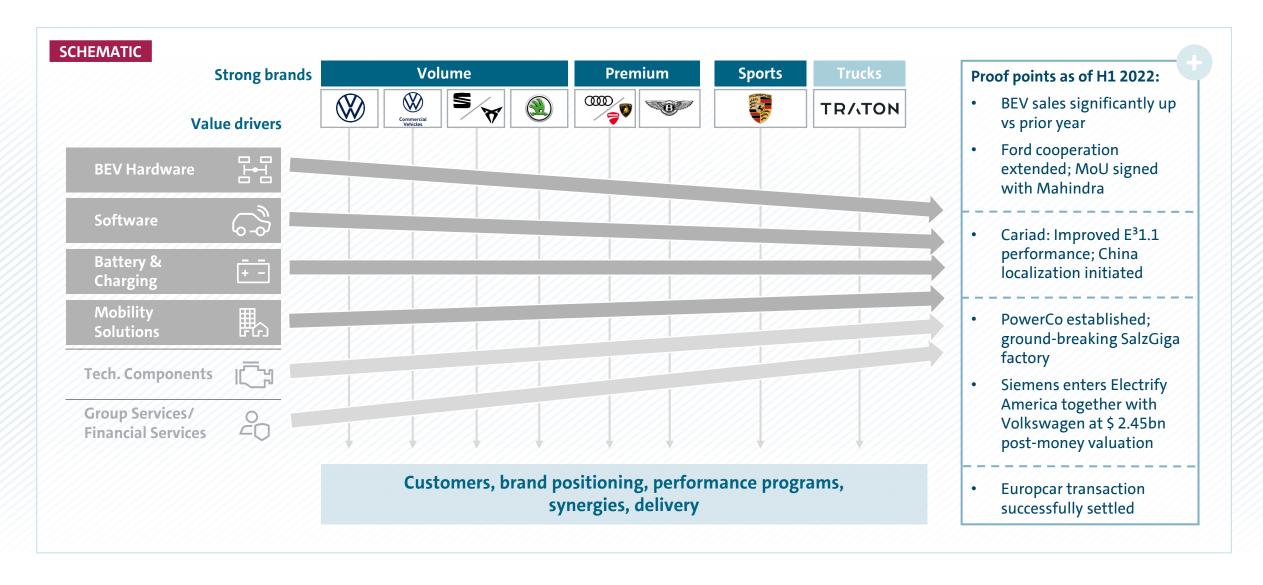
Leading the Transformation.

New Auto Strategy



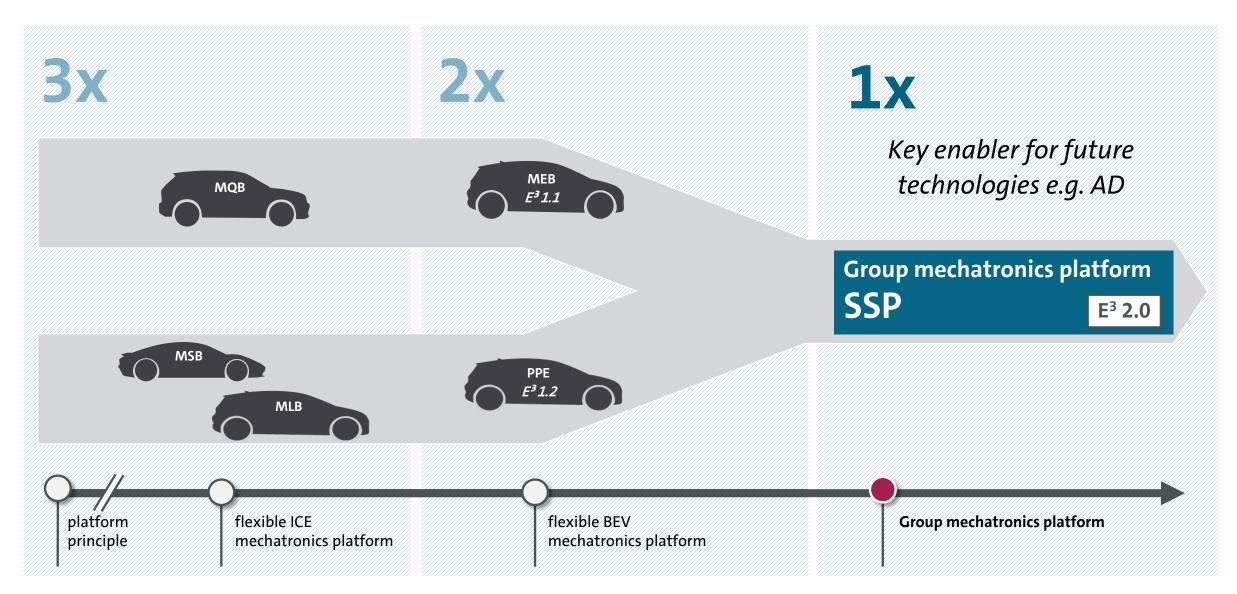
Steering Matrix

We shift the Focus towards Brand Groups and Value Drivers



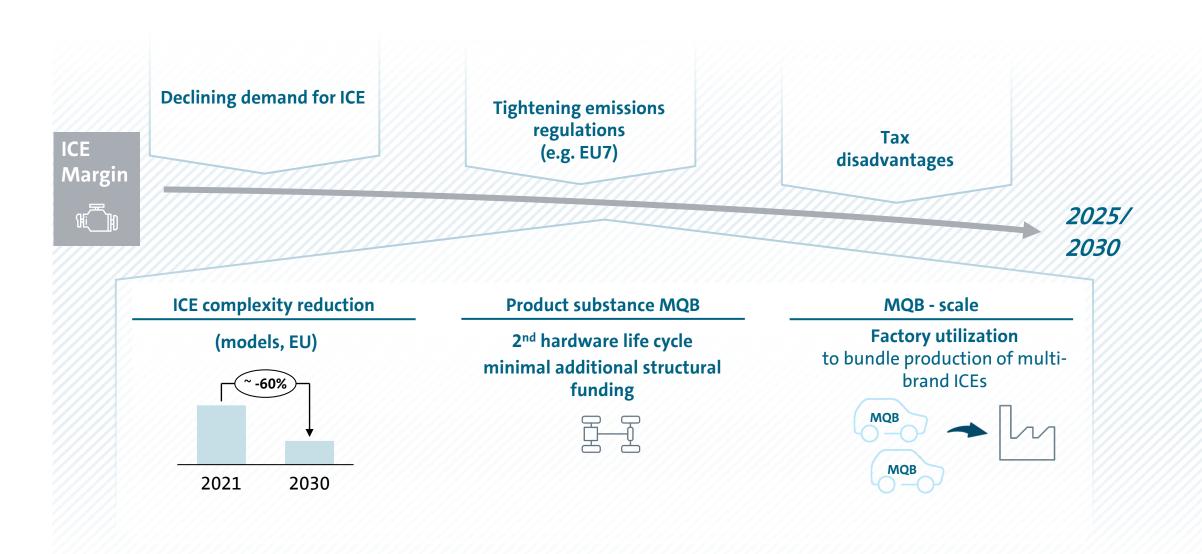


Variants are reducing complexity along the converging path towards a Group mechatronics platform – SSP (Scalable Systems Platform)



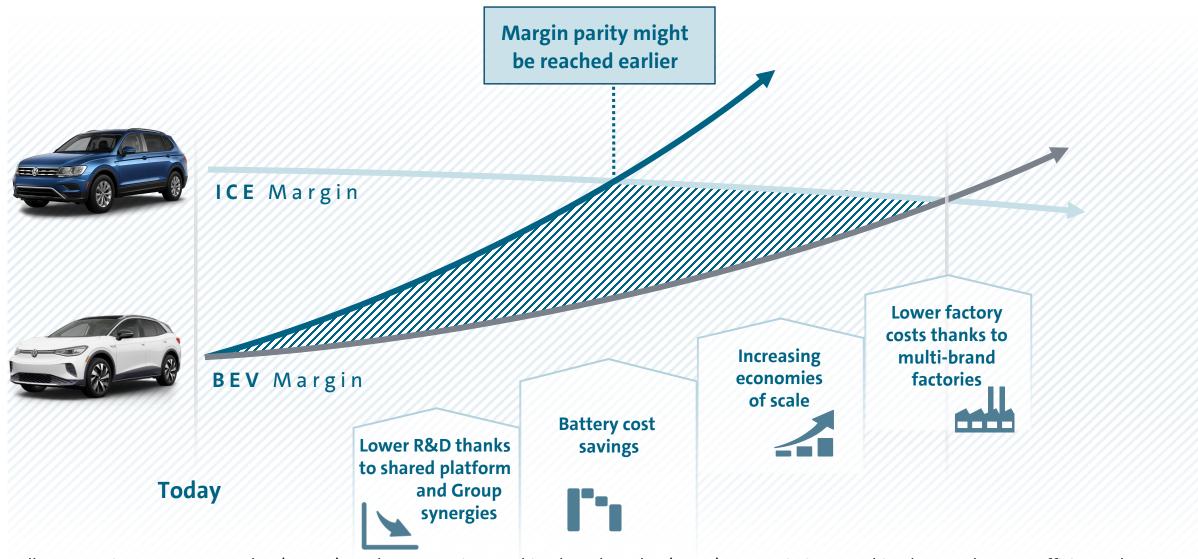
Volkswagen Groups' ambition – keeping the relative scale with MQB







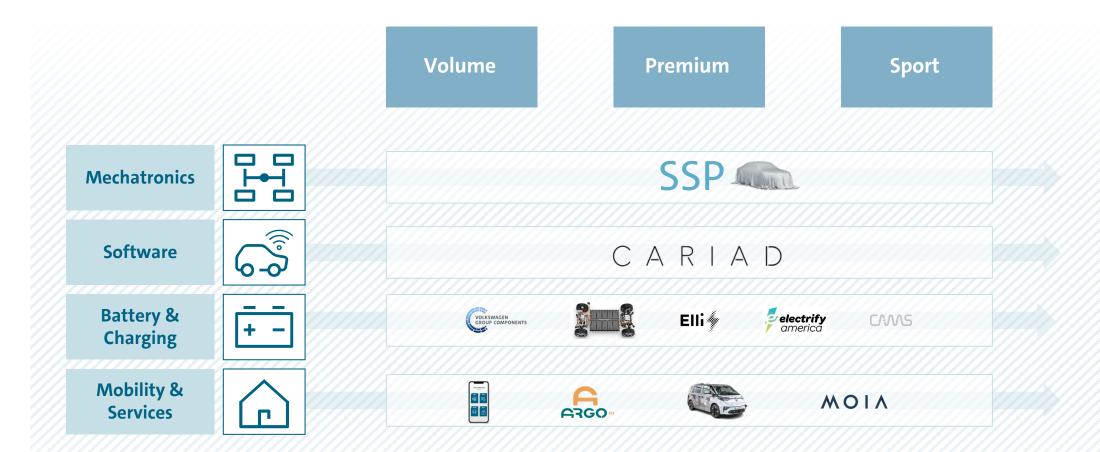
Operating Margin Parity in Western Europe between BEV and ICE progressing



Volkswagen Tiguan TSI OPF 180 kW (245 PS): Fuel consumption combined: 7.2 l/100km (NEDC), CO_2 emissions combined: 164 g/km, CO_2 efficiency class: C Volkswagen ID.4: Power consumption combined: 16.3-15.6 kWh/100km (NEDC), CO_2 emissions combined: 0g/km, CO_2 efficiency class: A+++



NEW AUTO strategy: From a classic OEM to a vertically integrated mobility company

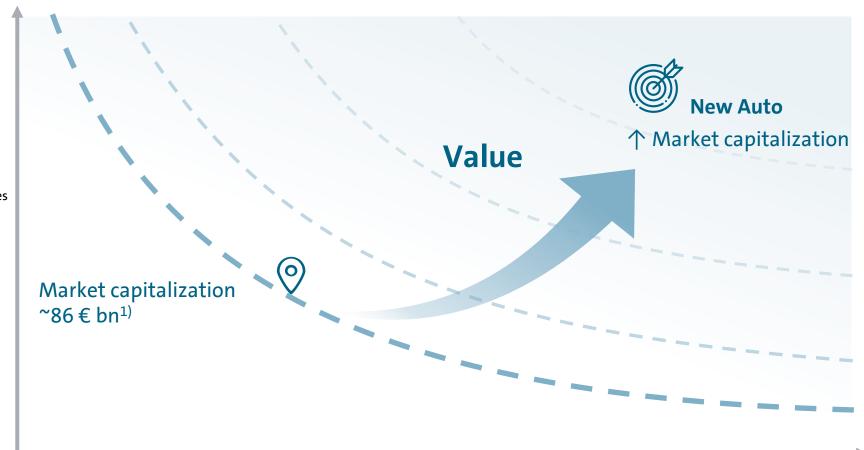


Levers for value creation: Execution of transformation



Performance KPI driven short/mid-term

- Strong brands in regions
- Margin management
 - Cost reduction
 - Economies of scale
 - Investment efficiencies/ synergies
 - Complexity reduction
 - Pricing power
- Cash generation
 - Working capital management



- Strong technological platforms
- New business models
- New profit pools

Transformation to Mobility Tech Company

longer term

Increasing the footprint in North America

Ambition

raise Group's overall market share in the US to 10% by 2030 and grow sustainable and profitable

Electrification as an opportunity to enter also new segments >25 new BEV models by 2030 (US)



the iconic US brand Scout will be electrified start of production in 2026 targeted





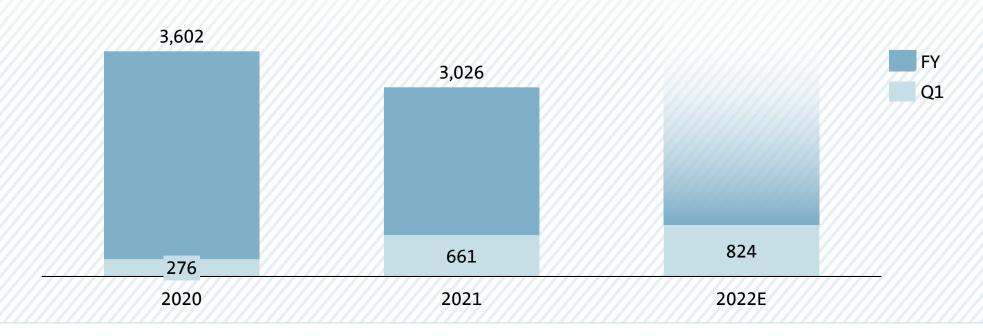
¹Vehicles sold outside Germany.

China Joint Ventures – Proportionate Operating Profit





[€ m]



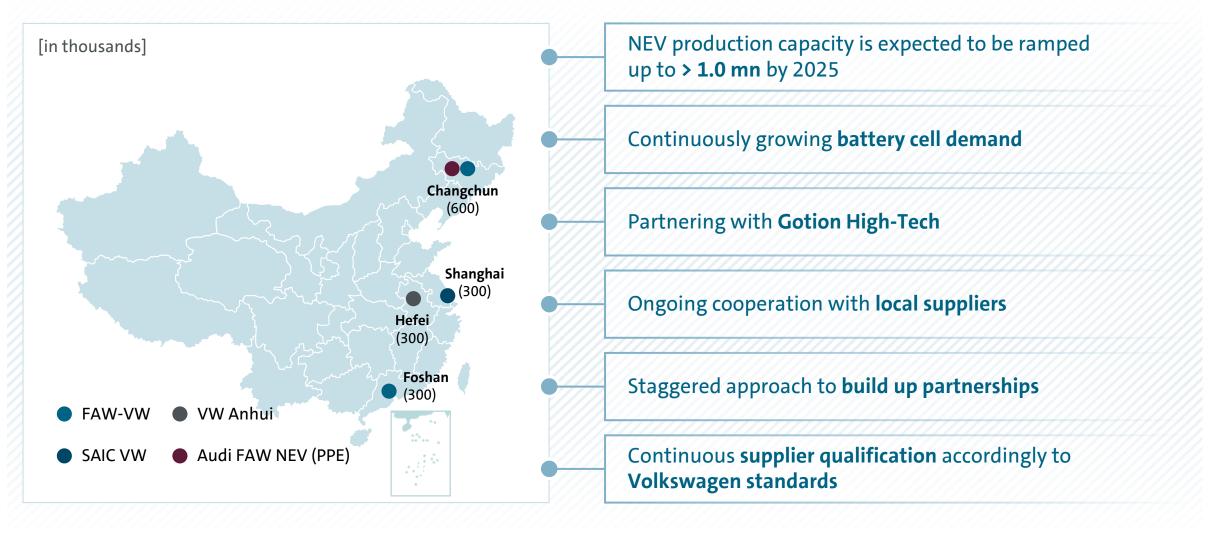
Drivers

- Continued impacts from semi supply bottlenecks and COVID related production disruptions towards the end of the 1st quarter
- Continued strong premium performance, performance of SAIC Volkswagen improved YoY
- SAIC Audi started production, thereby strengthening the local footprint
- Production catch-up program initiated





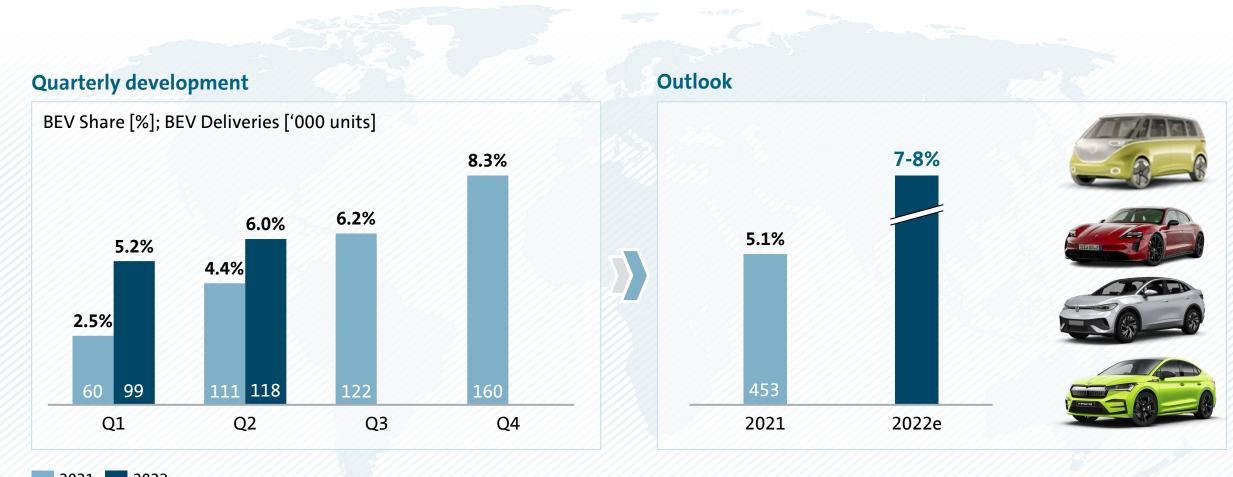






BEV sales expected to significantly rise in H2



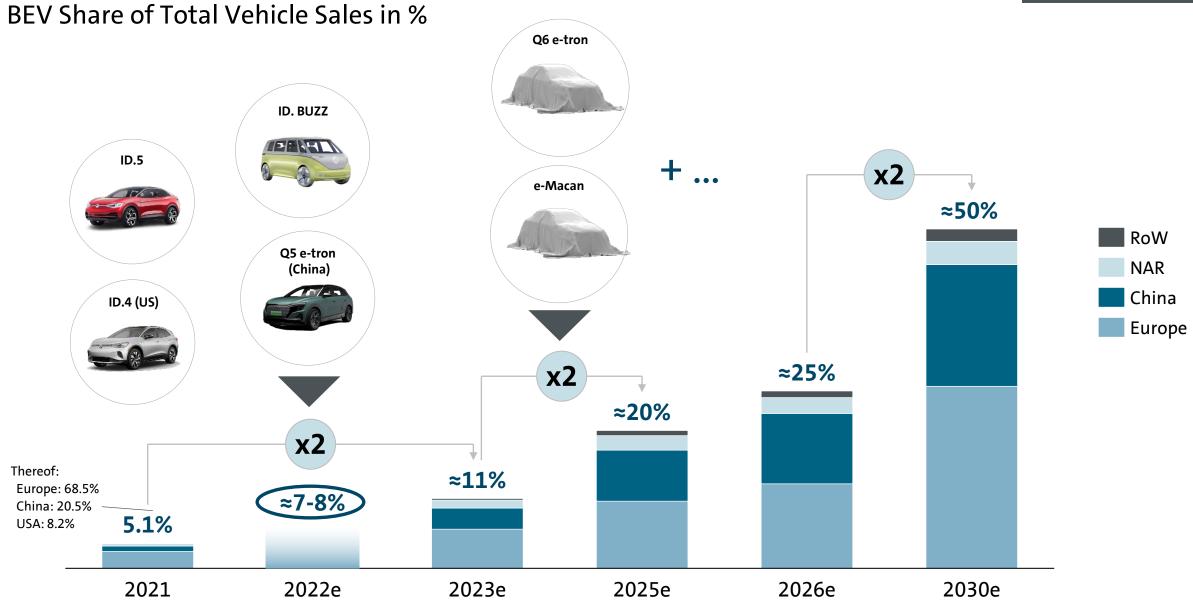


2021 2022

ID.Buzz: Vehicle is a near-production concept car
Porsche Taycan GTS Sport Turismo: Power consumption combined: 23.9 - 19.6 kWh/100km (NEDC), CO₂ emissions combined: 0g/km, CO₂ efficiency class: A+++
ID.5 Pro: Power consumption combined: 15.9-14.6 kWh/100km (NEDC), CO₂ emissions combined: 0g/km, CO₂ efficiency class: A+++
Škoda Enyaq iV Coupé: Power consumption combined: 13.6 kWh/100km (NEDC), CO₂ emissions combined: 0g/km, CO₂ efficiency class: A+++



Targeting BEV Podium Position by 2025



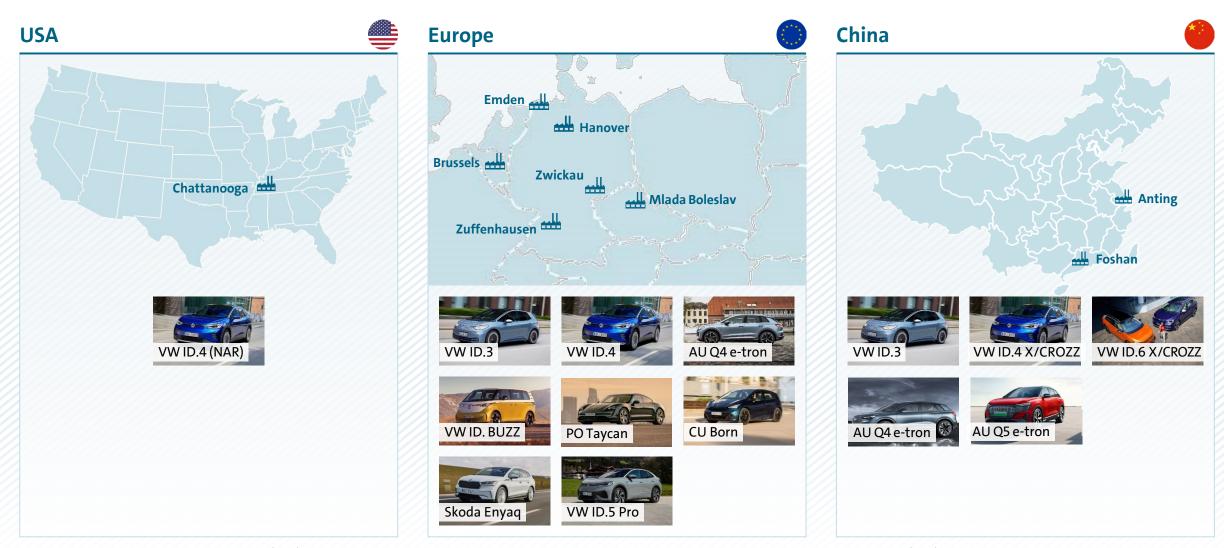
Volkswagen ID.Buzz/ID.5: Vehicles are near-production concept cars

Volkswagen ID.4: Power consumption combined: 16.3-15.6 kWh/100km (NEDC), CO₂ emissions combined: 0g/km, CO₂ efficiency class: A+++ Audi Q5 e-tron: Vehicle sold outside Germany





Ramp up of re-tooled MEB plants Emden, Hanover and Chattanooga will support scale

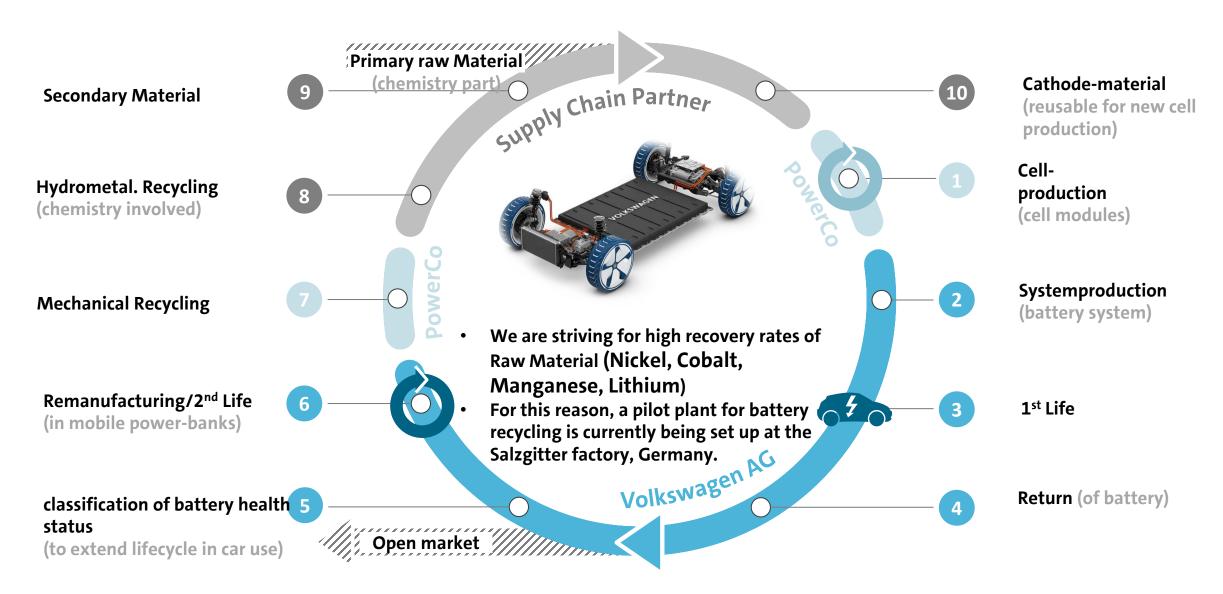


Cupra Born: Power consumption combined: 17.6 kWh/100km (NEDC), CO₂ emissions combined: 0g/km, CO₂ efficiency class: A+++ Skoda Enyaq: Power consumption combined: 13.6 kWh/100km (NEDC), CO₂ emissions combined: 0g/km, CO₂ efficiency class: A+++ Porsche Taycan: Power consumption combined: 23.9 - 19.6 kWh/100km (NEDC), CO₂ emissions combined: 0g/km, CO₂ efficiency class: A+++ Volkswagen ID.3: Power consumption combined: 14.0 - 13.7 kWh/100km (NEDC), CO₂ emissions combined: 0g/km, CO₂ efficiency class: A+++ Volkswagen ID.4: Power consumption combined: 16.3 - 15.6 kWh/100km (NEDC), CO₂ emissions combined: 0g/km, CO₂ efficiency class: A+++

Audi Q4 e-tron: Power consumption combined: 18.3 - 15.2 kWh/100 km (NEDC), CO₂ emissions combined: 0g/km, CO₂ efficiency class: A+++ Volkswagen ID. Buzz: Power consumption combined: 18.9 kWh/100 km (NEDC), CO₂ emissions combined: 0g/km, CO₂ efficiency class: A+++ ID.5 Pro: Power consumption combined: 15.9 - 14.6 kWh/100 km (NEDC), CO₂ emissions combined: 0g/km, CO₂ efficiency class: A+++



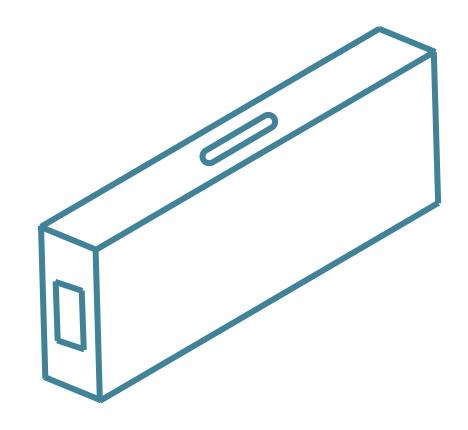
Principle of Closed Loop Battery Materials







One format Every state of the art chemistry



Volkswagen demand Europe: 240 GWh means 6 Gigafactories by 2030







PowerCo established to bundle Group-wide battery activities and set up cell factories (Groundbreaking July 2022)

3D Visualization



Key Takeaways

- Salzgitter cell Factory to be blueprint and starting point for global battery offensive
- Targeted start of production of Salzgitter plant in 2025
- Standard Factory concept, consisting of scalable standardized modules with a production capacity of ~40 GWh per year
- Standard Factory and unified cell enable rapid global rollout
- 240 GWh targeted by 2030
- Three European locations already decided

Benefits of the Standard Factory concept



European Standard

Standardized European factory to minimize planning efforts



Lean line design

Factory design follows value stream concept from mixing to final inspection

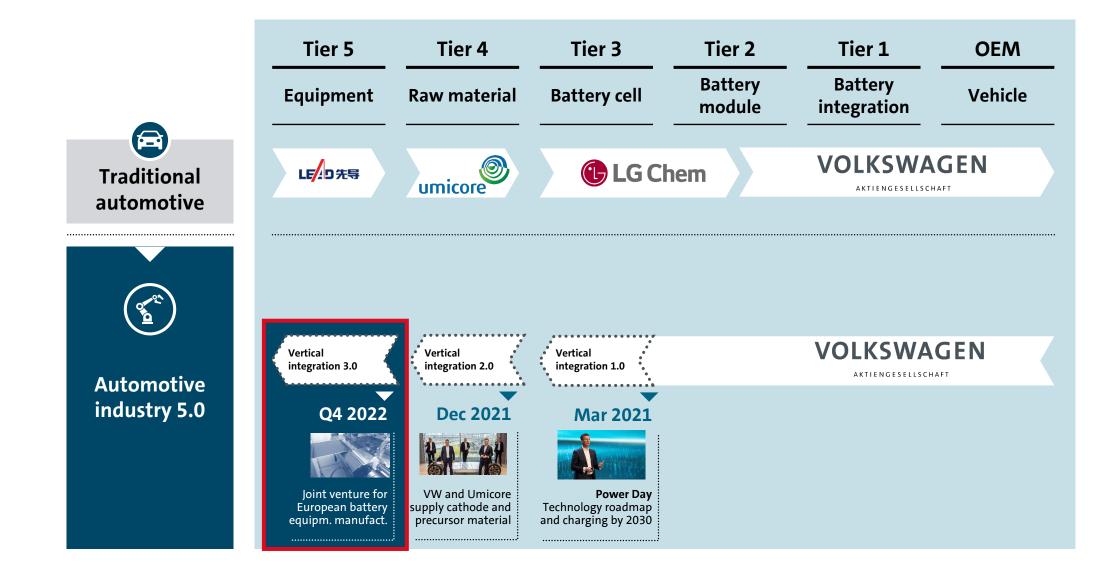


Flexible production footprint

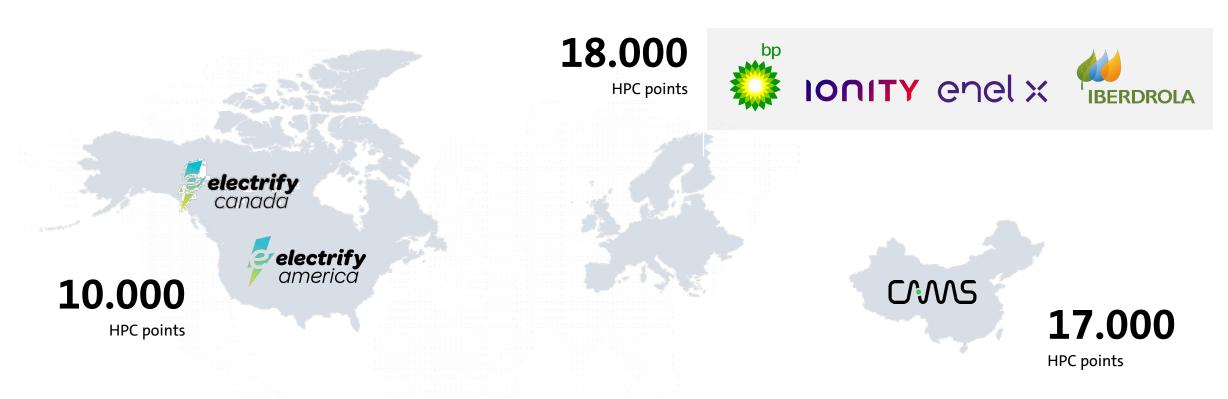
Adaptable to different cell chemistries and formats



Building up competences upstream the value chain to expand the profit margin and exploit new revenue stream



Volkswagen Group's High Performance Charging Boost Program is covering the most important e-mobility markets



45.000HPC points worldwide





Volkswagen and Ford: Alliance delivers significant strategic and economic benefits

Collaboration Projects





PROJECTS IN AUTONOMOUS DRIVING WITH

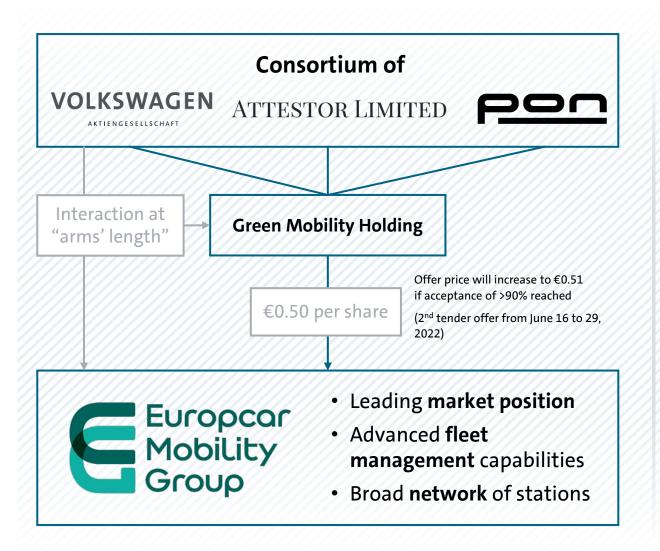
- Production of up to 8m units of the three commercial vehicles targeted;
 SOP of the first project since
 February 2022
- Through the cooperation, synergies in investments, purchasing and capacity utilization

- 1.2m MEB platforms and associated components (battery systems) delivered by VW starting 2023
- >\$20bn deal value

- Collaboration with Argo AI aims for industry leading autonomous vehicle technology for Mobility and Transport as a Service solutions.
- New customers, new business fields in AD transportation market



Europear deal provides compelling opportunity to create a leading mobility platform



Accelerated delivery of mobility services targets

- Customers increasingly demand new and innovative on-demand mobility solutions, such as subscription and sharing models
- Building a leading mobility platform is a key priority of NEW AUTO strategy through 2030
- Leveraging the strong transformation capabilities of Attestor as well as the international mobility services and customer experience of Pon
- Develop and transform Europear's business and selectively add further services from Volkswagen Group brands





Decarbonization, Circular Economy, Responsibility in Supply Chain & Business, Diversity, People & Transformation and Integrity are our ESG focus areas.

IMPROVE ESG Performance





CO₂TO**ZERO**

Diversity & Inclusion



Circular Economy



People in the Transformation



Responsibility in Supply Chain & Business





Integrity

INTEGRITY











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. 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 2022.

Any changes in significant parameters relating to our key sales markets, or any significant shifts in exchange rates or commodities relevant to the Volkswagen Group or the supply with parts, or deviations in the actual effects of the Covid-19 pandemic from the scenario presented will have a corresponding effect on the development of our business. In addition, there may 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.

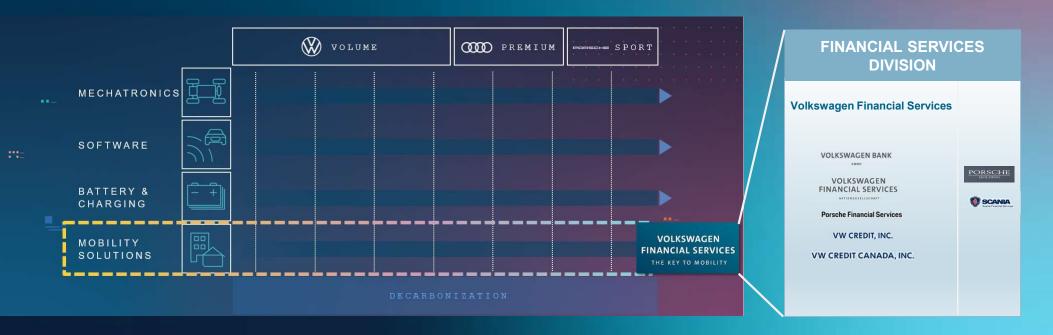
This information does not constitute an offer to exchange or sell or an offer to exchange or buy any securities.

Under the brand "Volkswagen Financial Services – the key to mobility" the subsidiaries of Volkswagen Financial Services AG as well as its sister company Volkswagen Bank GmbH render various services under the joint brand "Volkswagen Financial Services". Such services are banking services (through Volkswagen Bank GmbH), leasing services (through Volkswagen Leasing GmbH), insurance services (through Volkswagen Versicherung AG, Volkswagen Autoversicherung AG) as well as mobility services (inter alia through Volkswagen Leasing GmbH). In addition, insurance products of other providers are offered.

Volkswagen Group is changing and has defined Mobility Solutions as a core element of its NEW AUTO strategy



Volkswagen Financial Services will offer the platform for mobility solutions



The changed business environment calls for a new strategy

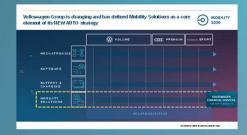
VOLKSWAGEN
FINANCIAL SERVICES
THE KEY TO MOBILITY

Customer





Group

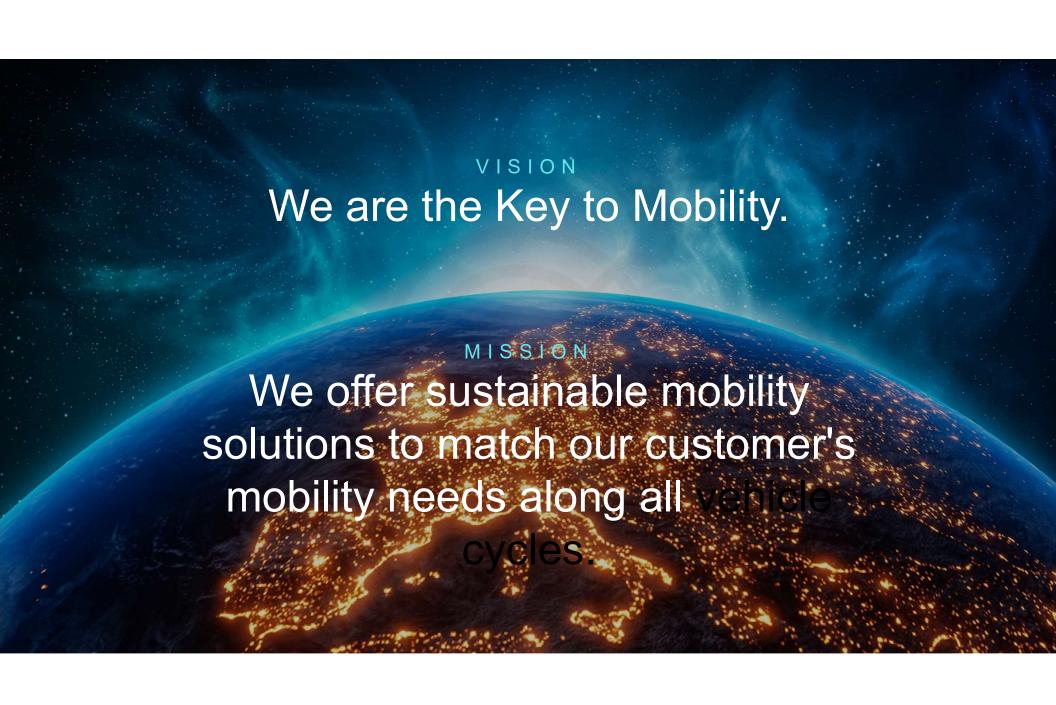


Competition



MOBILITY 2030





Consumers and mobility providers do have two core requirements/needs each

Consumer Mobility provider

We are searching for our next car (or our next mobility-flatrate)

Mobility-platform

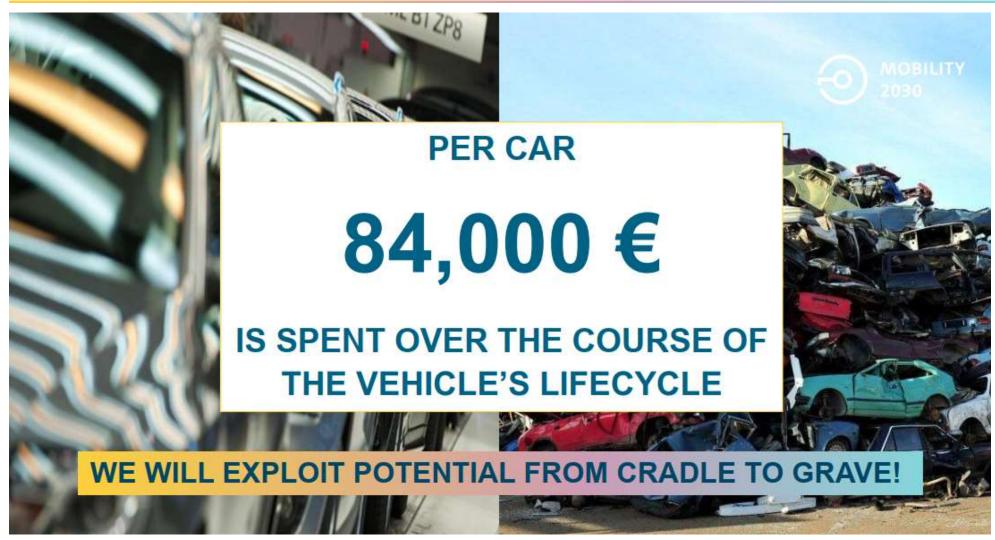
We are aiming to optimize the utilization of our fleet

I want to get
now/soon from
A to B

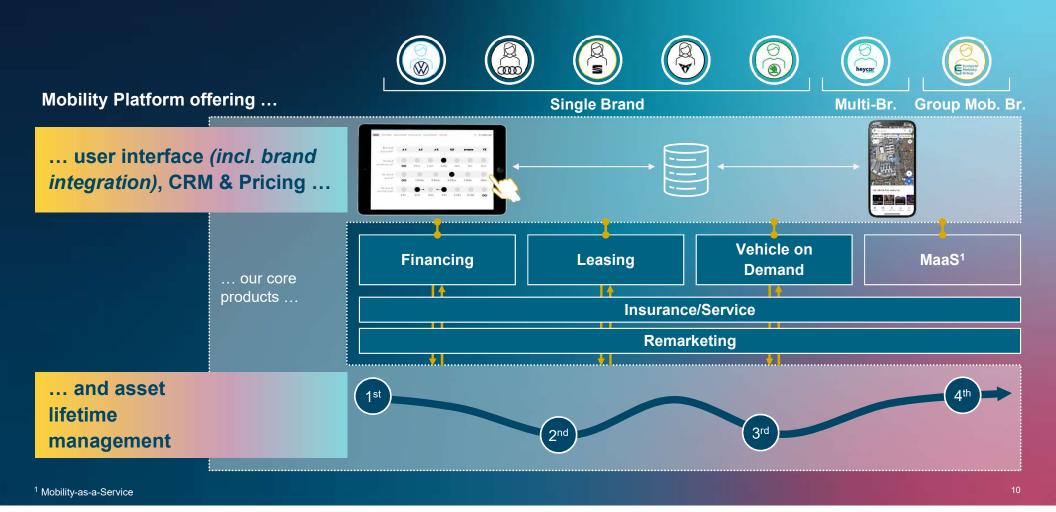


We are aiming to optimize the Vehicle-Lifetime-Value

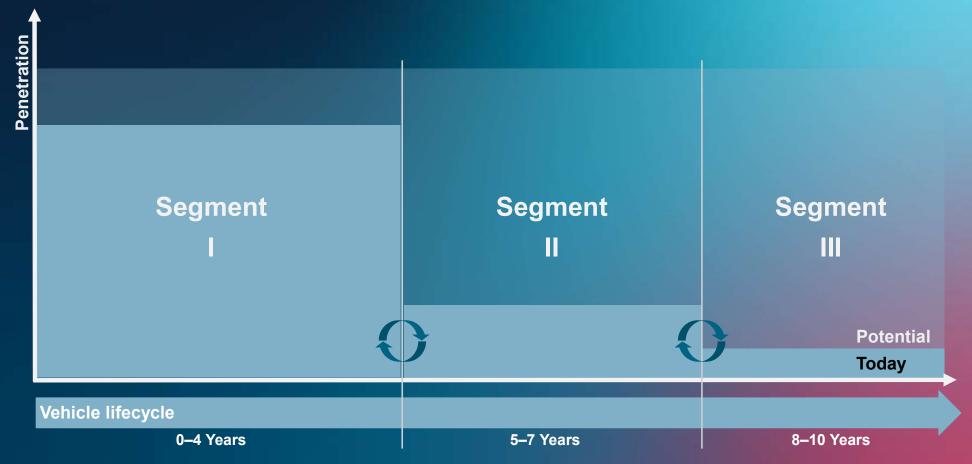




We will be the platform for all Volkswagen Group's mobility solutions



We aim to be "owner" of every second vehicle of the whole Group-Car-Parc with the "Vehicle Livetime Concept" …



VOLKSWAGEN FINANCIAL SERVICES THE KEY TO MOBILITY

We have determined five strategic dimensions to drive **MOBILITY2030** forward





A holistic approach of the Vehicle Lifetime Concept means ...



... long-term customer loyalty



... further source of income



... increase in volume



... stabilization of residual value



... maximize used car potential



... access to raw material





Sustainability





ENVIRONMENTAL

- Environmental protection & strategy
- Use of renewable energies
- Emission reduction
- Carbon footprint of our business partners, customers and also our own

VW FS FOCUS







GOVERNANCE

Guidelines defined on GROUP level and to be followed by VWFS

We defined three fields of action to achieve Net Zero



Green Campus



Green IT



Green Usage





Financial Performance as of 30.06.2022

Volkswagen Financial Services*



€ 3.0 bn

Operating Profit



22 mn

Contracts



238 bn

Total Assets

Volkswagen Bank GmbH

Total assets € 64.1 bn

Customer deposits € 26.9 bn

Operating profit € 334 mn

Contracts (units) 3.3 mn

Volkswagen Financial Services AG

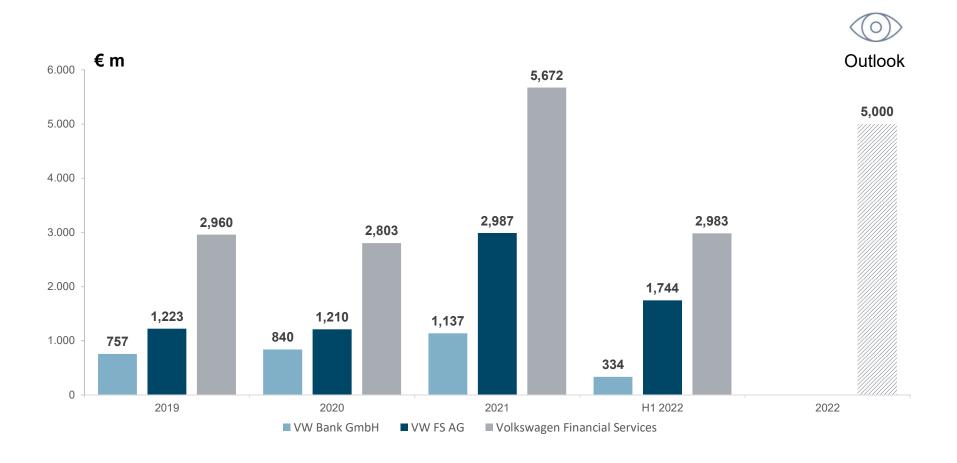
Total assets € 127.6 bn

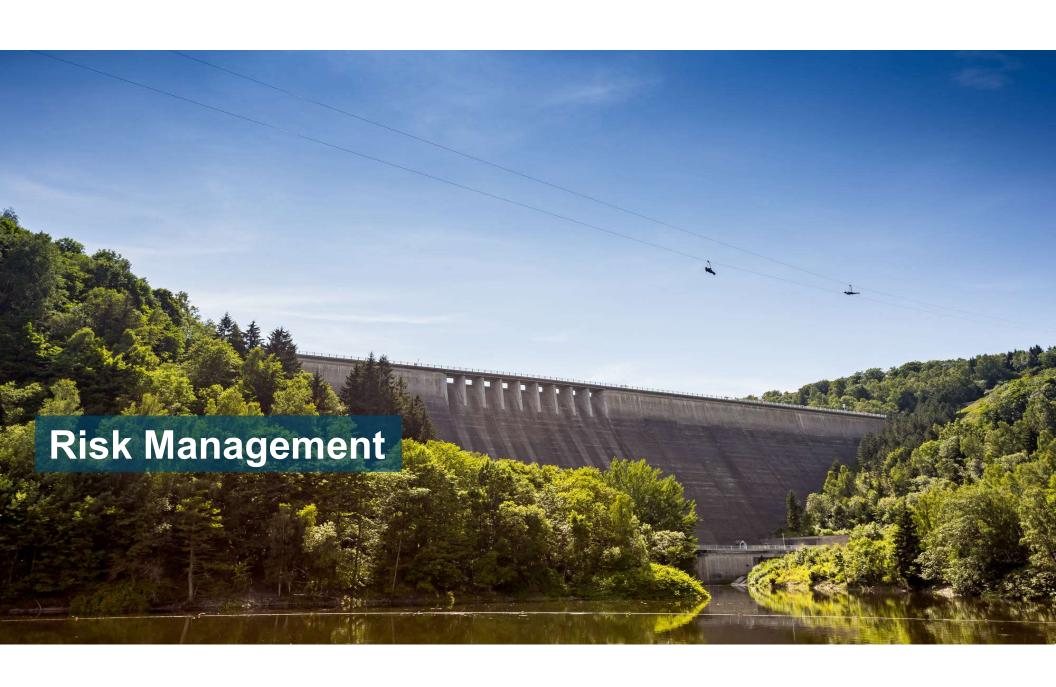
Operating profit € 1.744 bn

Contracts (units) 16.0 mn

^{*}Volkswagen Financial Services are a business segment of the Volkswagen AG group and comprise Volkswagen Financial Services AG along with its associated companies, Volkswagen Bank GmbH, Porsche Financial Services, and the financial services companies in the USA and Canada.

Operating income





Credit risk management at Volkswagen Financial Services

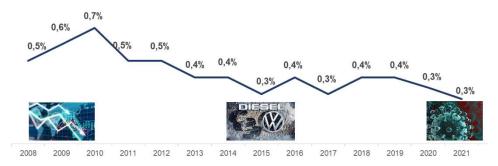
- Proven crisis resilience.
- No significant influence of Covid-19 pandemic on credit risk until now.
- Credit losses currently and historically on a very low level (0.27% as of 30.06.2022).
- Credit risks appropriately covered by provisions.

Forecast:

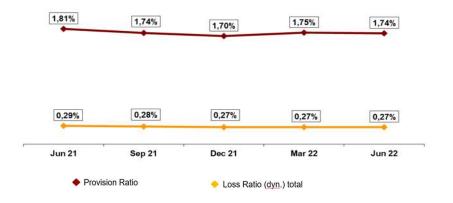
Credit risk situation will remain challenging:

- ongoing Corona pandemic
- crisis situation in the Ukraine
- expected increasing interest rates.

Credit loss ratio historically on a very low level



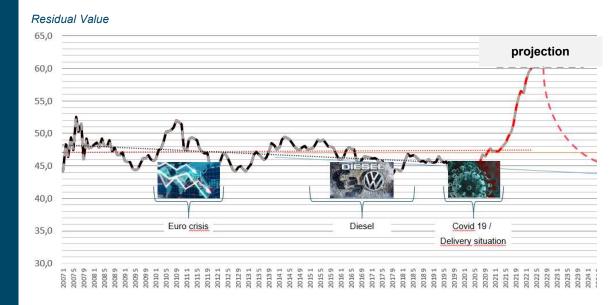
Provision- vs. Loss Ratio

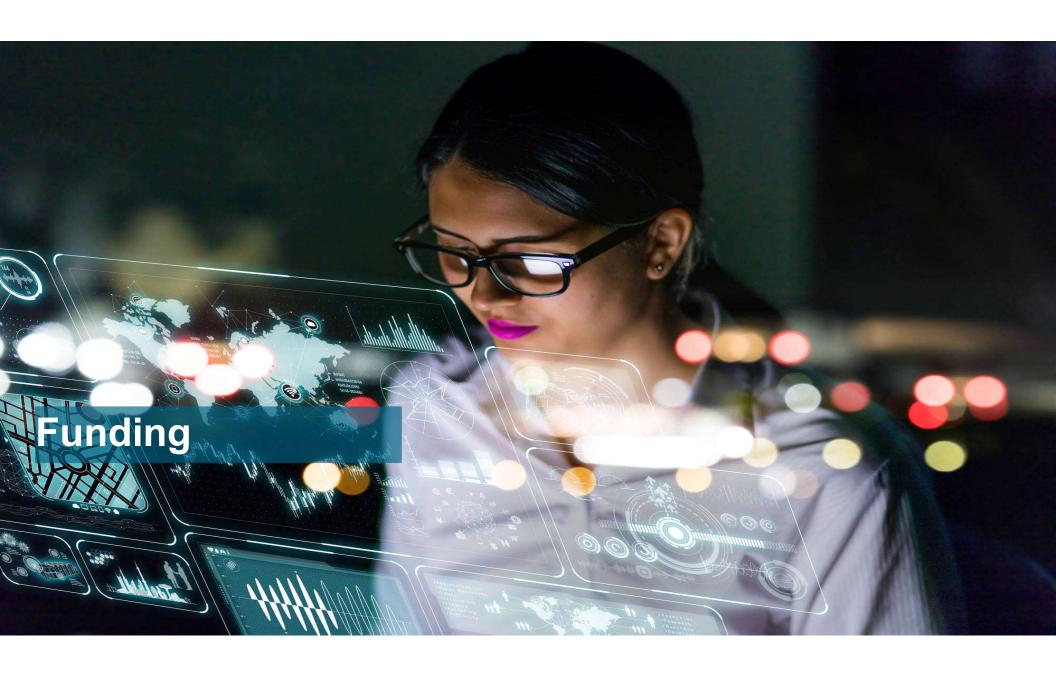


Residual value risk management at Volkswagen Financial Services

- Positive trend in the development of used car prices related to an increased demand in the used car market.
- We assume the shortage of components to improve as the year progresses.
- We assume used car transaction prices to decline, but will remain on a higher level as before.
- We adapt this in our Residual Value prognosis for new business on model level.
- Forecast:
- Even in **2022 the still high used car prices** will have a positive effect on our operating profit but this will be lower than in 2021.

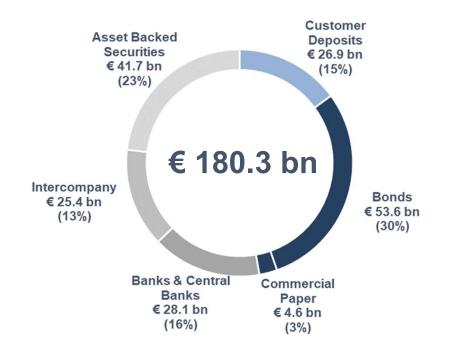
Re-marketing situation used cars



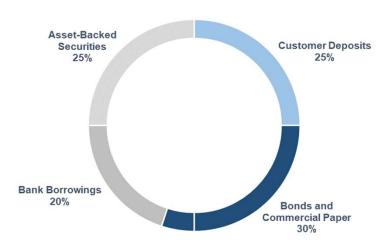


Funding allocation of segment Volkswagen Financial Services as of 30.06.2022

Volkswagen Financial Services



Strategic Funding Mix



Volkswagen Financial Services organisational structure and guarantee scheme

VOLKSWAGEN

AKTIENGESELLSCHAFT

Rating: BBB+ (s) / A3 (s)¹
100% Shareholder
Control and Profit & Loss Transfer Agreement

Volkswagen Financial Services AG

Rating: BBB+ (s) / A3 (s)¹

EUR 50,000,000,000 Debt Issuance Programme

Guarantee

Volkswagen Financial Services Australia

Volkswagen Financial Services Japan

Volkswagen Financial Services N.V.

Volkswagen Leasing GmbH

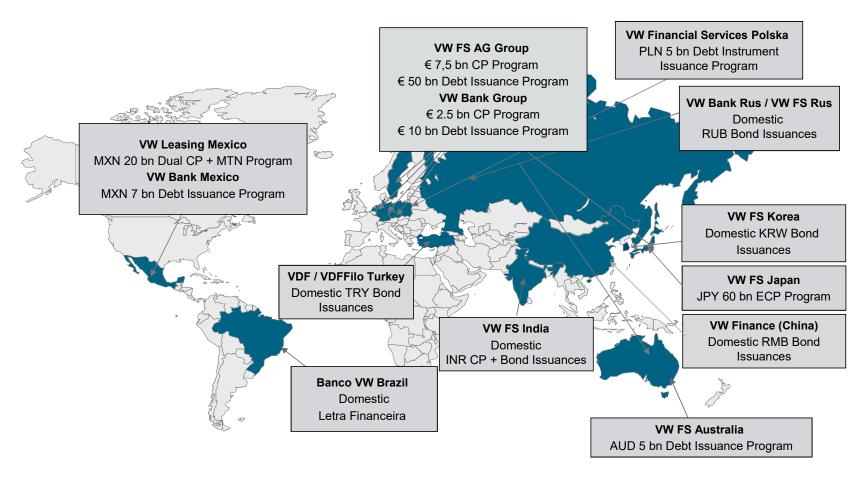
Volkswagen Bank GmbH

Rating: BBB+ (s) / A1 (s)¹

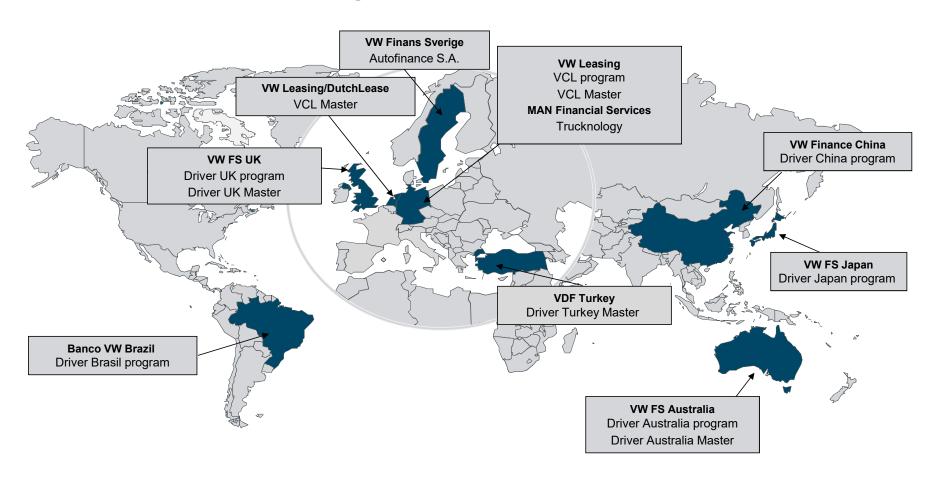
EUR 10,000,000,000 Debt Issuance Programme

¹⁾Credit Ratings from Standard&Poors / Moody's as per 09 September 2022; (n) Outlook negative, (s) Outlook stable, (RfD) Under Review for Downgrade

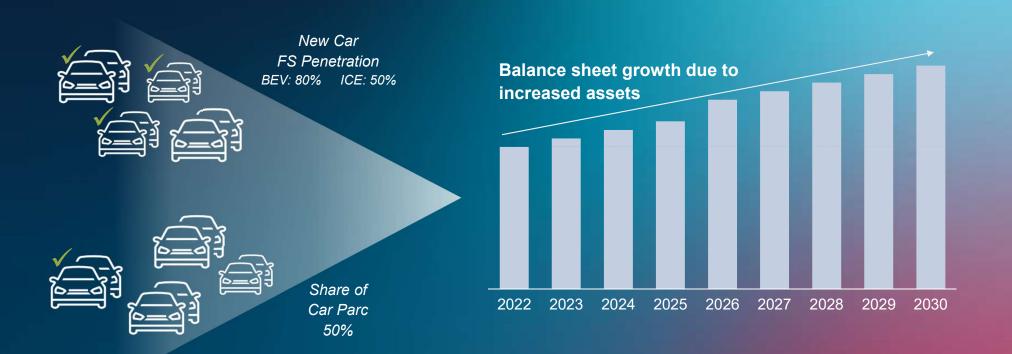
Worldwide DCM activities of Volkswagen Financial Services



Worldwide ABS activities of Volkswagen Financial Services



Annual new car sales and an increasing VWFS share of VW car parc will increase VWFS' refinancing demand



✓ Green in the sense of CO2-neutral use of the car, e.g. BEV

