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Audi Agenda

Dominik Veit | Corporate Startegy

Audi A6 Avant e-tron performance:

Electric power consumption (combined): 17.0-14.8 kWh/100 km; CO2 emissions in (combined): 0 g/km; CO<sub>2</sub>-class: A

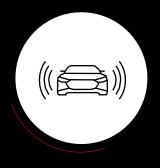
# Starting point

# Six key themes for Audi to address

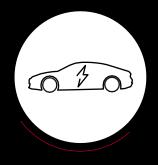




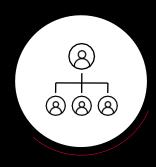








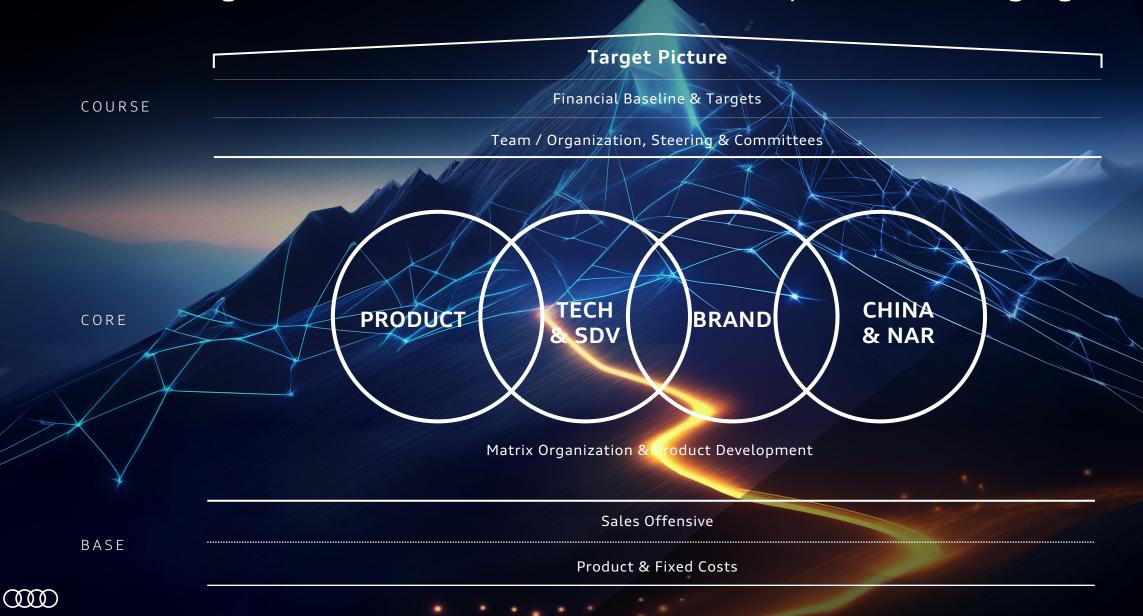
BEV Portfolio



Organization

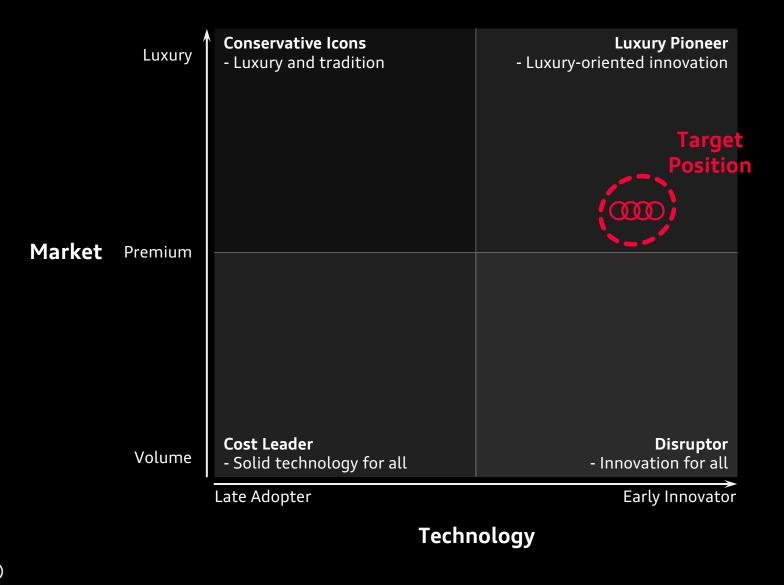
# The way forward

The Audi Agenda drives immediate execution and provides strategic guidance



### Target Picture – positioning

Target position in progressive premium with technological edge



#### Premium positioning

- Focus on pioneer role in progressive premium
- Clear distinction from luxury segment
- Reduction of series complexity

#### Technology spikes

- Re-conquering of Vorsprung durch Technik
- Most progressive company with focus on technology
- Clear path for product differentiation



#### Brand

# Vorsprung durch Technik as core of the Audi brand

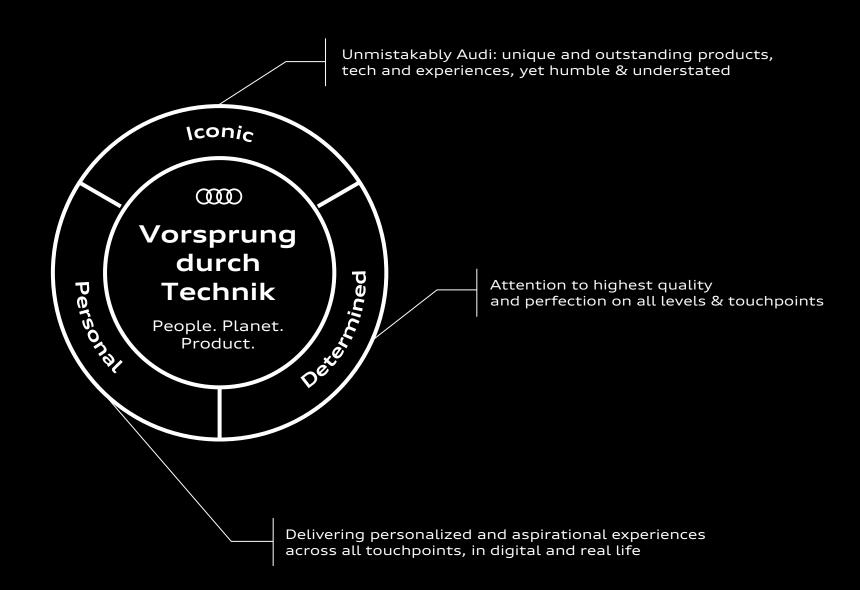
# Vorsprung durch Technik

Means challenging the status quo

With innovations that are exciting and meaningful

With sustainability beyond electrification

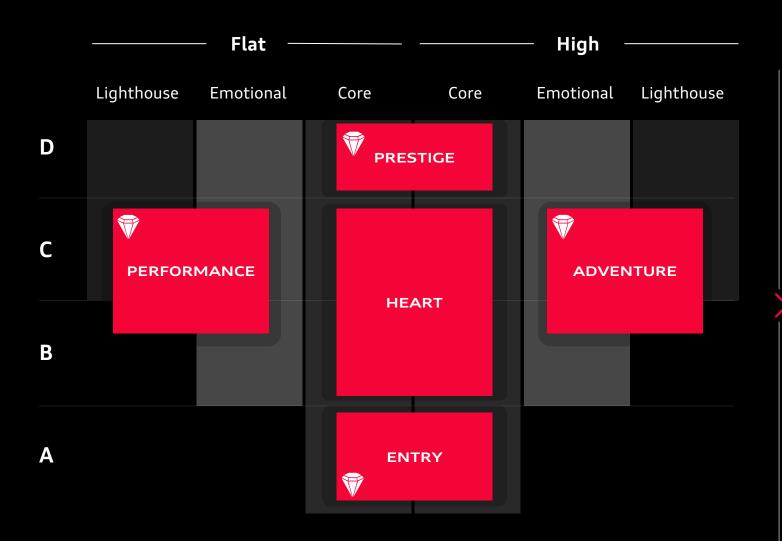
With design that makes "Vorsprung" felt at every touchpoint





### Product – target portfolio

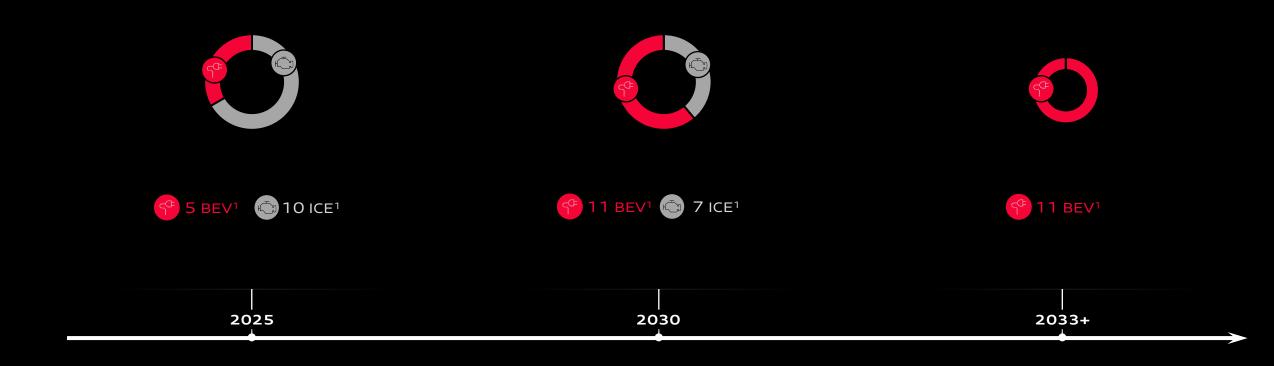
Focused BEV line-up to cover premium sweet spots and shine with icons



- > 7 core models in target segments; strong segment coverage in the "sweet spot"
- Selected icons increase portfolio attractiveness and create brand desirability
- Q6 e-tron on PPE as first step to a wider BEV model initiative
- Transition path ICE-BEV with all-new ICE generation, e.g. A5 on PPC, and ability to act in light of market conditions

# Product – gradual portfolio transformation

New ICE generation enables strategic flexibility during BEV transition





#### China

### Audi with sharpened set-up to gain China speed

1st

foreign premium OEM active in China

9m

Audi models sold

+12%

Audi CAGR since 2007

>70%

of premium profit pool 2030 in B & C segment – 100% Audi coverage

729k

deliveries in 2023, up 13% yoy +50%

premium market growth 2023-30



**2-partner approach** as major lever to exploit premium profit pools



Substantial portfolio renewal with FAW through PPC and PPE/ICV



**Audi FAW NEV Co.** with PPE **on track** – starting production end of 2024



Joint development of ICV models with SAIC at higher speed



Accelerated launch momentum: mid-term China portfolio 2025+ with BEV/ICV in all core segments

### Differentiation

Product profiles to build competitive edge for differentiation



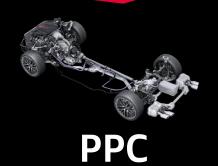














# First steps taken

# Since 09/2023, major decisions have been implemented

Selected Examples













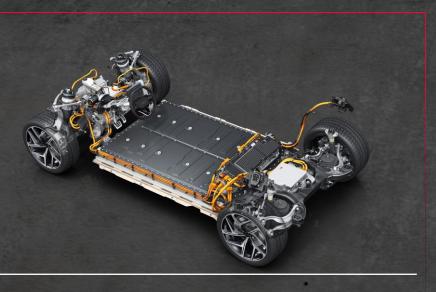
Product launches simplified; long-term target portfolio defined

Brand Model with Vorsprung durch Technik at the core 2-partner strategy in China defined including dedicated vehicle projects Cross-brand SDV hub established Profit improvements via Performance Program 14 (cost and revenue) Efficient corporate steering



The new platforms PPE and PPC enable major portfolio updates in both BEV and ICE vehicles

PREMIUM PLATFORM ELECTRIC



PREMIUM PLATFORM COMBUSTION





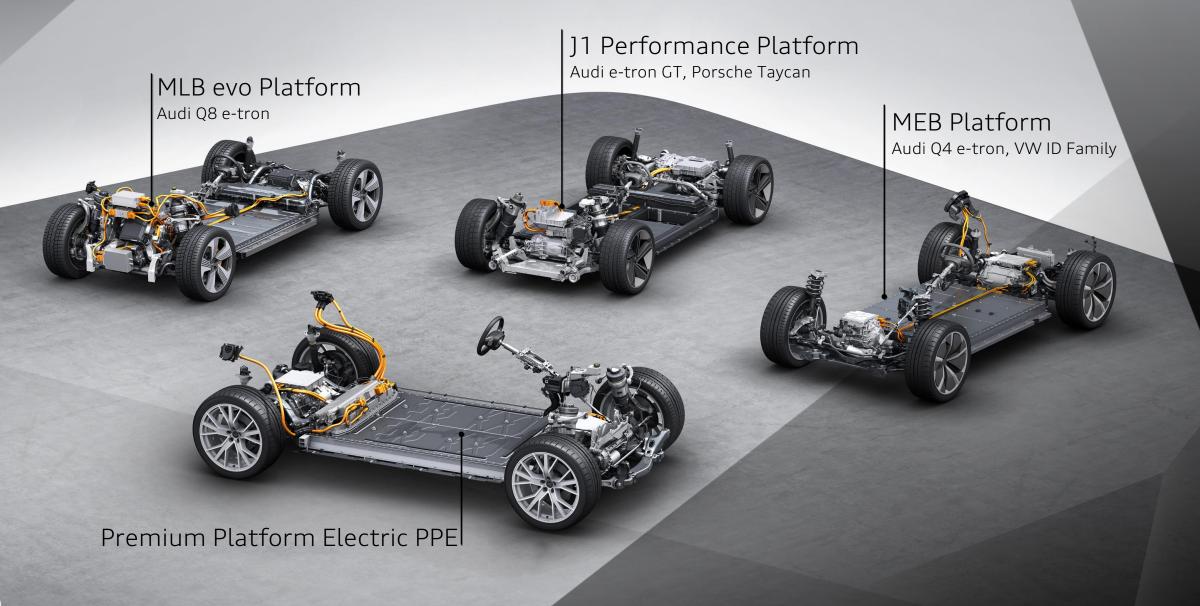






E<sup>3</sup> 1.2 ELECTRONIC ARCHITECTURE

# Dedicated platforms enable broad BEV portfolio across the Volkswagen Group



# A range of Audi models as well as Porsche Macan are based on the PPE





Audi Q6 e-tron



Audi A6 Sportback e-tron



Audi Q6 Sportback e-tron



Audi A6 Avant e-tron

+ China-specific models

#### PORSCHE



Porsche Macan Electric

**Audi Q6 e-tron quattro:** Power consumption

Power consumption (combined): 19.7 -17.0 kWh/100 km; CO<sub>2</sub> emissions (combined): 0 g/km; CO<sub>2</sub>-class: A

Audi A6 Avant e-tron:

Power consumption (combined): 17.0-14.8 kWh/100 km; CO<sub>2</sub> emissions (combined): 0 g/km; CO<sub>2</sub>-class: A

Audi A6 Sportback e-tron :

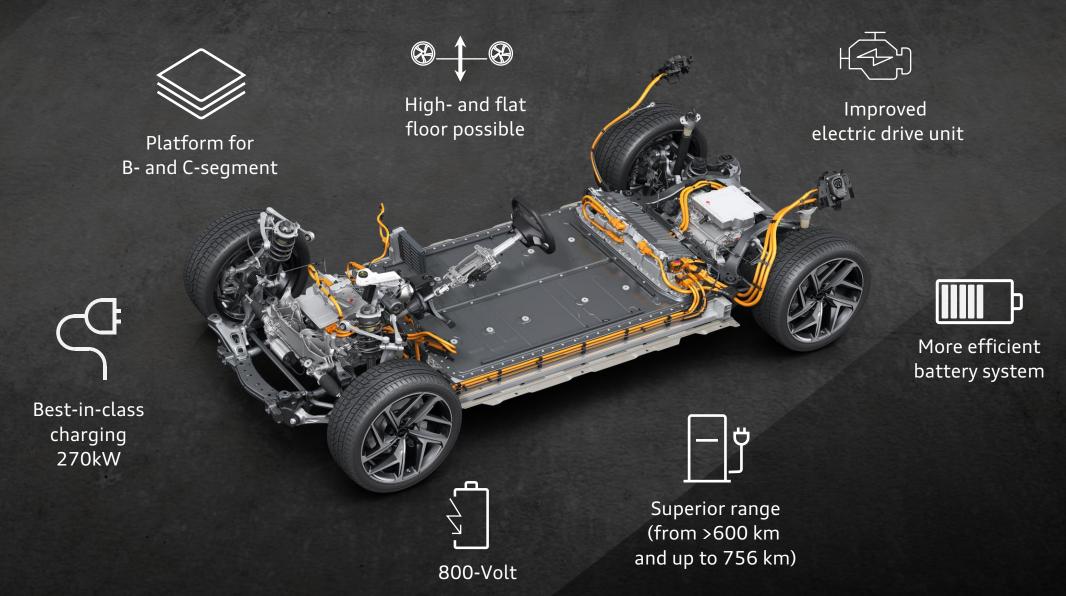
Power consumption (combined): 15.9-14.0 kWh/100 km; CO<sub>2</sub> emissions (combined): 0 g/km; CO<sub>2</sub>-class: A

Porsche Macan Electric:

Power consumption (combined): 19.8-17.0 kWh/100 km; CO<sub>2</sub> emissions (combined): 0 g/km; CO<sub>2</sub>-class: A

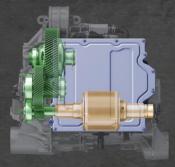


PPE platform enables efficient BEV performance, while the new electronic architecture supports enhanced digital experience for B- and C-segment cars

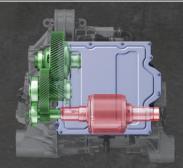


# Electric drive unit enables best combination of price, performance and efficiency

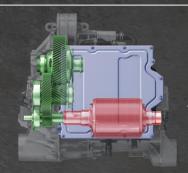
### FRONT AXLE



**ASM 210-100** 275 Nm | 140 kW



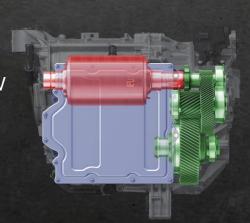
**PSM 210-100** 310 Nm | 175 kW



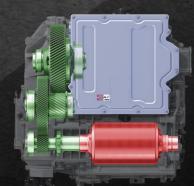
**PSM 210-150** 440 Nm | 235 kW

### REAR AXLE

**PSM 210-200** 580 Nm | 280 kW



# REAR AXLE PERFORMANCE



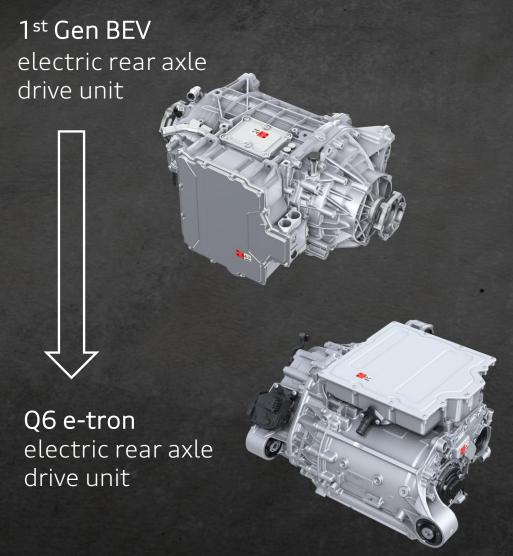
**PSM 210-200** 580 Nm | 280 kW

**PSM 230-150** 605 Nm | 310 kW

**PSM 230-210** 765 Nm | 460 kW



# Compared to 1st generation BEV – PPE drivetrains offer sizeable performance improvements and cost reduction





Power density



Torque density



Energy consumption of the electric drive unit



System performance



Drive unit costs

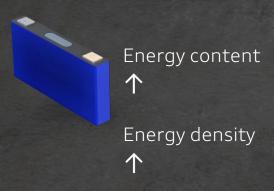


Vehicle energy consumption

-30%

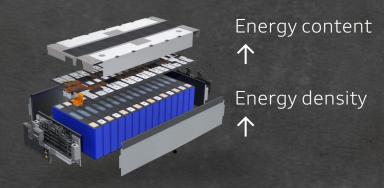
Improvements in the battery system compared to the first generation BEV result in higher efficiency and enhanced performance

### Cell



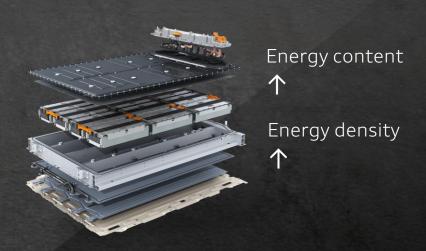
- Increased cell size
- Reduced cobalt content
- Increased charging power
- Reduced electrical resistance

# Cell module



Increased cell module size

# Battery

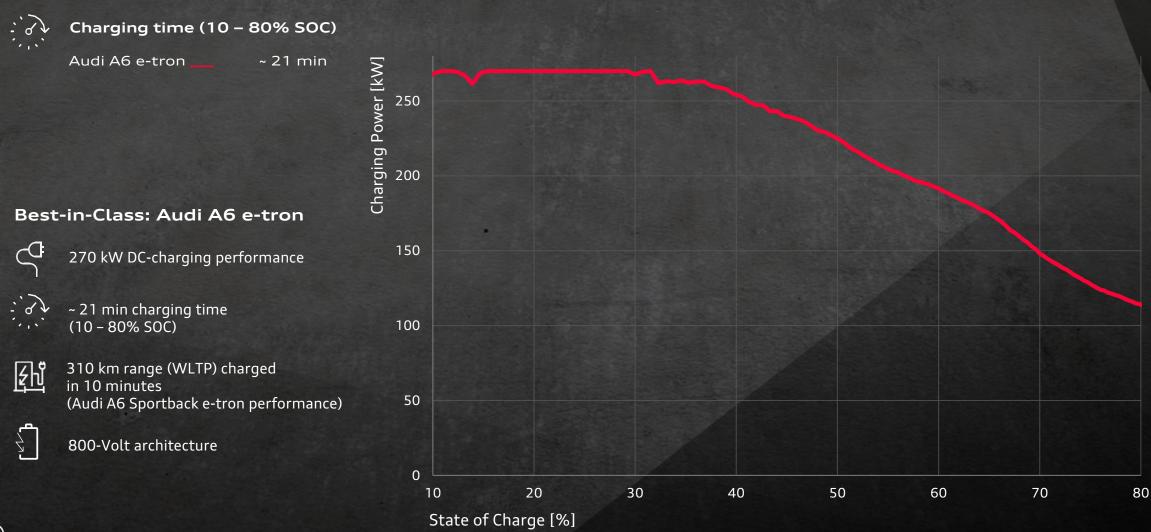


- Predictive conditioning
- Battery management optimized





# Charging power is maintained over longer period enabling quick charging and superior range





# Efficient powertrain, sophisticated battery technology and superior charging performance ensure everyday suitability of PPE models

Audi Q6 e-tron

Audi A6 Sportback e-tron

Audi A6 Avant e-tron



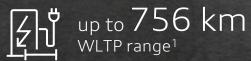










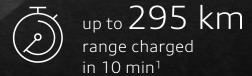












1 depending on configuration, maximum value valid for S-model, if available with launch control

Audi Q6 e-tron quattro:
Power consumption
(combined): 19.7 -17.0
kWh/100 km; CO<sub>2</sub> emissions
(combined): 0 g/km;
CO<sub>2</sub>-class: A

Audi A6 Avant e-tron:
Power consumption
(combined): 17.0-14.8
kWh/100 km; CO<sub>2</sub> emissions
(combined): 0 g/km;
CO<sub>2</sub>-class: A

Audi A6 Sportback e-tron:
Power consumption
(combined): 15.9-14.0
kWh/100 km; CO<sub>2</sub> emissions
(combined): 0 g/km;
CO<sub>2</sub>-class: A

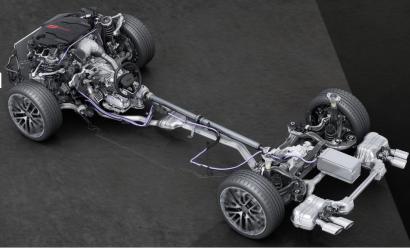


The new platforms PPE and PPC enable major portfolio updates in both BEV and ICE vehicles

PREMIUM PLATFORM ELECTRIC



PREMIUM PLATFORM COMBUSTION



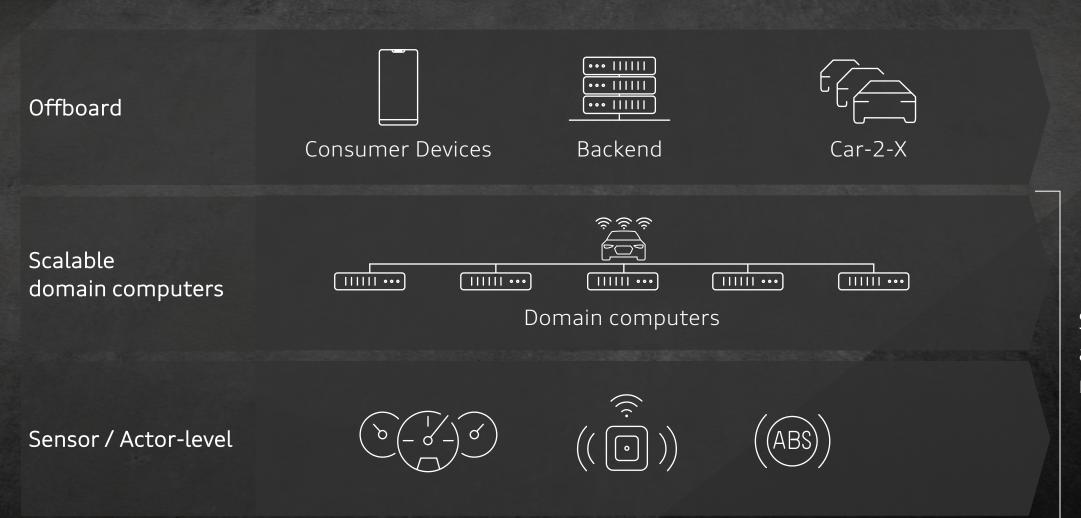




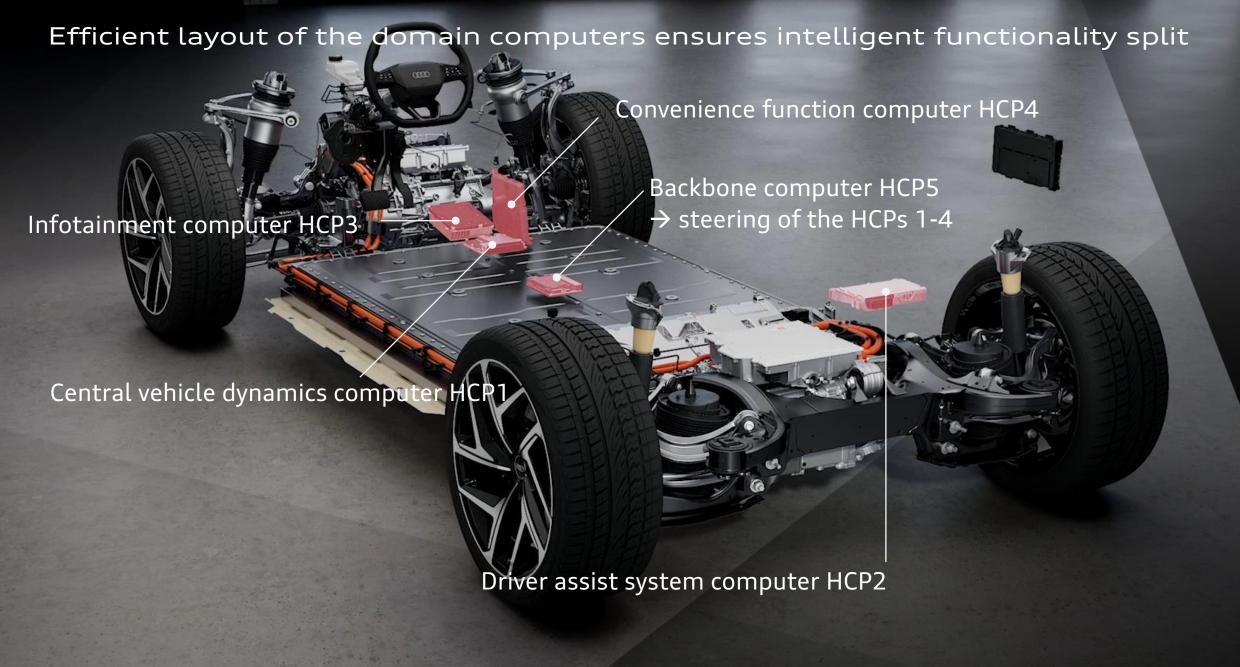




E<sup>3</sup> 1.2 ELECTRONIC ARCHITECTURE Wide range of functions of the  $E^3$  1.2 architecture is based on optimized interplay of domain computers, sensors and backend



Secure and rapid networking



# E<sup>3</sup> 1.2 electronic architecture enables future-proof functionality

Next generation electronic architecture  $E^3 1.2$ Over-the-air-update Digital ADAS Functionality capability functionality in interior assistant ... and more

A strong, future oriented basis for the Audi lineup to come!

Open to partners via standardized interfaces



# Over-the-air updates enable digital product care and enrich customer experience

Customer benefits

### Digital product care

Keep vehicle up to date and inspire during the lifecycle

- Product improvement
- Update: Enhanced and/or expanded functions
- Upgrade: New functions (market specific)

Premium functions and "on demand"-Features

- Functions on Demand
- Application store



- Most of the ECUs of the architecture can be technically updated and configured over the air
- The car is integrated in a Backend environment which organizes and distributes the software-update for the indivual cars
- OTA-updates do not exceed approx. 30 mins and comply with Energy-Monitoring
- Rollout of OTA as part of Audi connect





The characteristics of the extensive range of safety, driving and parking assist functions offer superior customer usability

- Adaptive cruise assist<sup>1</sup>
- Adaptive cruise control<sup>1</sup>
- Camera-based traffic sign recognition<sup>1</sup>
- Traffic sign-based speed limiter<sup>1</sup>
- Top-view camera<sup>1</sup>
- Turn assist<sup>1</sup>
- Lane change assist<sup>1</sup>
- Park assist plus<sup>1</sup>
- Proactive passenger protection system (front, side, read) 1
- Lane departure warning with emergency assist<sup>1</sup>
- > Emergency assist

an)

- Driver attention and fatigue monitor
- Connected speed course<sup>2</sup>

4 surround view cameras front long-range radar 2 corner radar sensors high reversing camera 6 ultra sonic sensors front

driver monitoring camera

6 ultra sonic sensors rear

1 within system limits

2 data on driving behavior of other vehicles is saved in the cloud and aggregated into a pool

Audi Q6 e-tron quattro:
Power consumption
(combined): 19.7 -17.0
kWh/100 km; CO<sub>2</sub> emissions
(combined): 0 g/km;
CO<sub>2</sub>-class: A



The new augmented reality head up display offers increased field of view as well as improved imaging and expanded functionality Display of virtual elements 50 km/h (speed, traffic signs, assistance & navigation symbols) Seamless real-world integration Head-up Display AR Head-up Display<sup>1</sup> 2.5m 13m 1 only available in PPE-based An Al-powered digital assistant goes beyond voice recognition, it ingests all vehicle data turning the car into a smart companion







With the new Audi A6 e-tron, Audi is underlining its leading role in lighting design and technology - an essential part of the Audi DNA

Front Rear







New standards in terms of individualization via light signatures



Second Generation OLED combination rear lights with car-to-X communication



Illuminated rings at the rear

# A combination of superior driving performance, expressive design and digital functions make PPE-based cars desirable for the broad range of customers

Adaptive cruise assist with swarm data

>30 safety & assistance systems available



am)

Software Updates over the air

Digital OLED rear lights

Functions on demand

Sound zones with headrest speakers

Virtual exterior mirrors 2nd gen.<sup>1</sup>

Adaptive air suspension

New curved panoramic display

Front passenger display with shutter mode

Augmented Reality Head-Up Display

Matrix LED headlights



Panoramic glass roof electrically shadeable<sup>1</sup>

Audi Q6 e-tron quattro:

family

Power consumption (combined): 19.7 -17.0 kWh/100 km;  $CO_2$  emissions (combined): 0 g/km;  $CO_2$ -class: A

1 only available in A6 e-tron

Audi A6 Avant e-tron:

Power consumption (combined): 17.0-14.8 kWh/100 km; CO<sub>2</sub> emissions (combined): 0 g/km; CO<sub>2</sub>-class: A

Audi A6 Sportback e-tron:

Power consumption (combined): 15.9-14.0 kWh/100 km;  $CO_2$  emissions (combined): 0 g/km;  $CO_2$ -class: A



# Transition from single option to focused option packages enables reduction of complexity

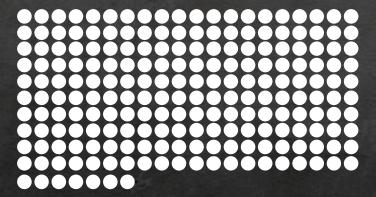
### Previously

Standard items

Option packages

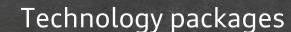


Single options



#### PPE & PPC

Standard items





Option packages



Single options



+ Over-the-air update capability

#### Benefits for customers

- Convenient decision making
- Streamlined order process
- Packages definition based on customer experiences
- Stable residual values

#### Benefits for Audi

- High standard setting and higher positioning
- Reduced complexity in Hard- & Software leads to improved Over-the-Air Update capability
- Enhanced stability in development and production processes



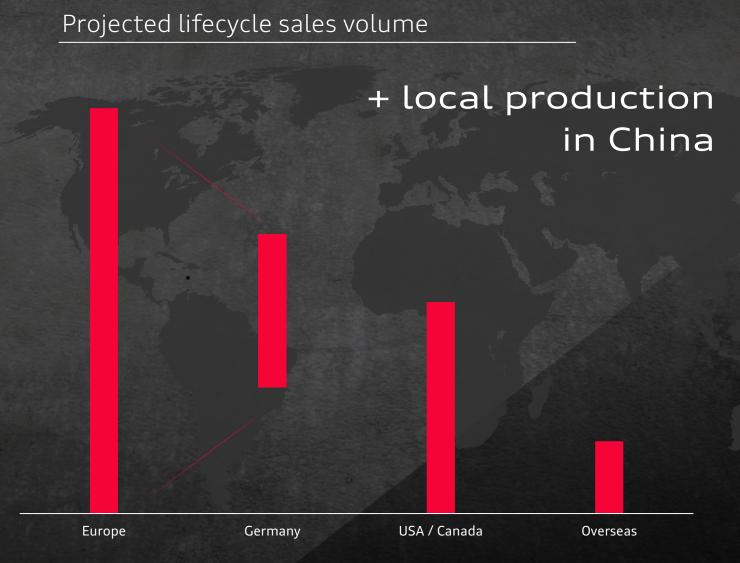
Q6 e-tron and A6 e-tron families addresses broad customer segments across the globe, leading to attractive economics



Q6 e-tron family



A6 e-tron family



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Audi A6 Avant e-tron:

Power consumption (combined): 17.0-14.8 kWh/100 km; CO<sub>2</sub> emissions (combined): 0 g/km; CO<sub>2</sub>-class: A

# The versions developed specifically for the Chinese market boast a longer wheelbase and a localized digital offering and design features

Local production in Changchun

Market introduction 2025

Longer wheelbase vs. world model

>700 km CLTC range

Market-specific infotainment and ADAS solutions

Available with LFP battery from 2026 onwards



