2022 CEO INVESTOR DAY





Hyundai Motor will be 100% carbon-neutral by 2045

Genesis brand100% electrification by 2030, 100% electrification by 2035 in EU market, 100% electrification by 2040 in major markets



Top player in global EV market

EV sales of 1.87 million units by 2030(Hyundai + Genesis), HMG global EV M/S 12%, EV sales of 840K units by 2026



From Vehicle to Experience

Establish a roadmap for 3 key factors to achieve EV sales target



Expand local production in major markets including localized sourcing of batteries (Develop next gen, battery technology and stabilize sourcing)



Apply next generation Modular Architecture (Enhance competitiveness in vehicle system)



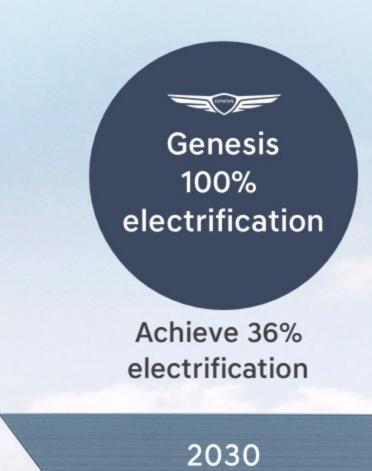
Secure S/W competitiveness and expand investment → Achieve S/W Transformation



Summary of carbon neutral strategy



Road to Net Zero



100% electrification in EU market

2035

100% Electrification in major markets

Achieve 80% electrification

2040

Carbon Neutrality

2045

02 2021 REVIEW **B** HYUNDAI

2021 Review



Despite challenging market conditions caused by chip shortage issue and rising raw material prices, HMC generated solid business results in 2021 with global sales of 3.9 million units and consolidated operating profit margin of 5.7%









EV Sales Target





1.87 million units by 2030

HMG M/S 12%



Core Strategy

EV Line up Expansion

Expand line ups of SUV/mid-large sized EVs · Electrification of Genesis · Regional strategic models

Production Optimization

Optimize EV production in major markets · Improve production efficiency

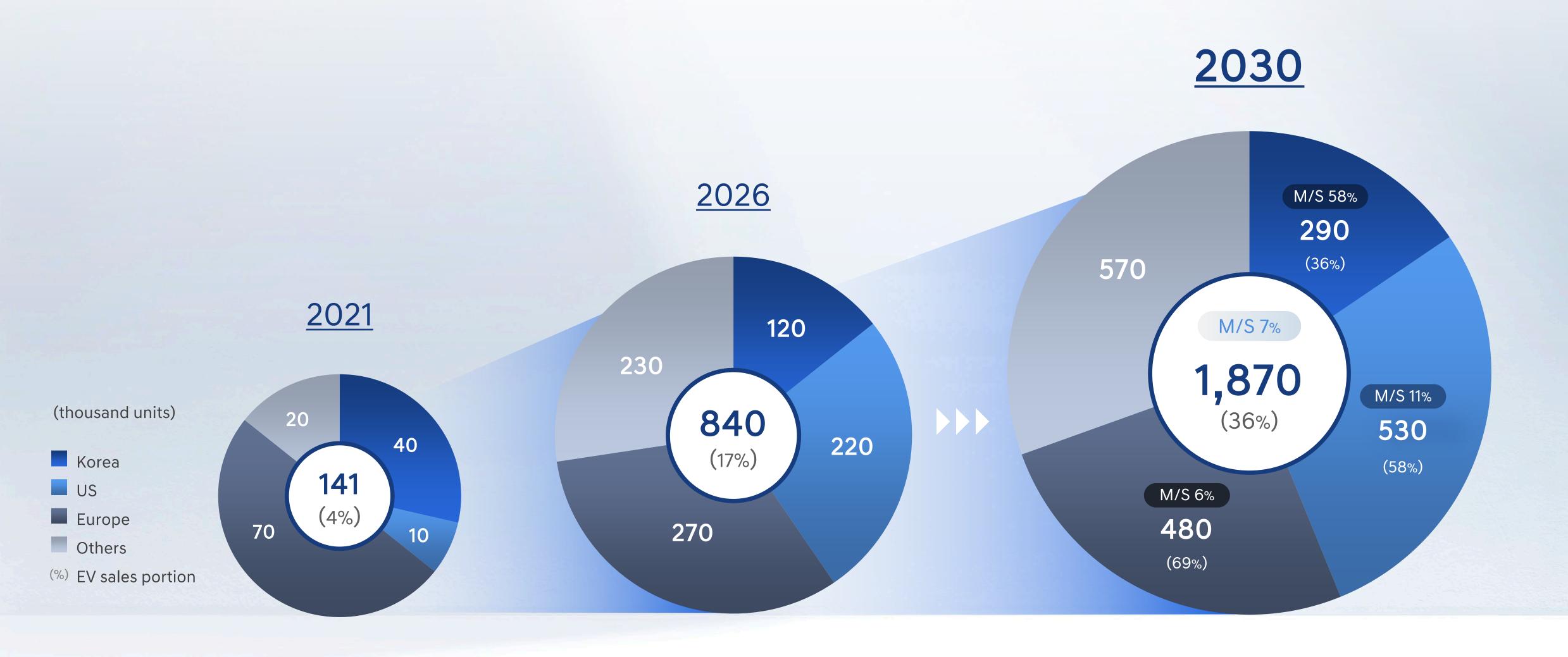
Product Competitiveness

Launch next-gen platform.
Strengthen S/W technology





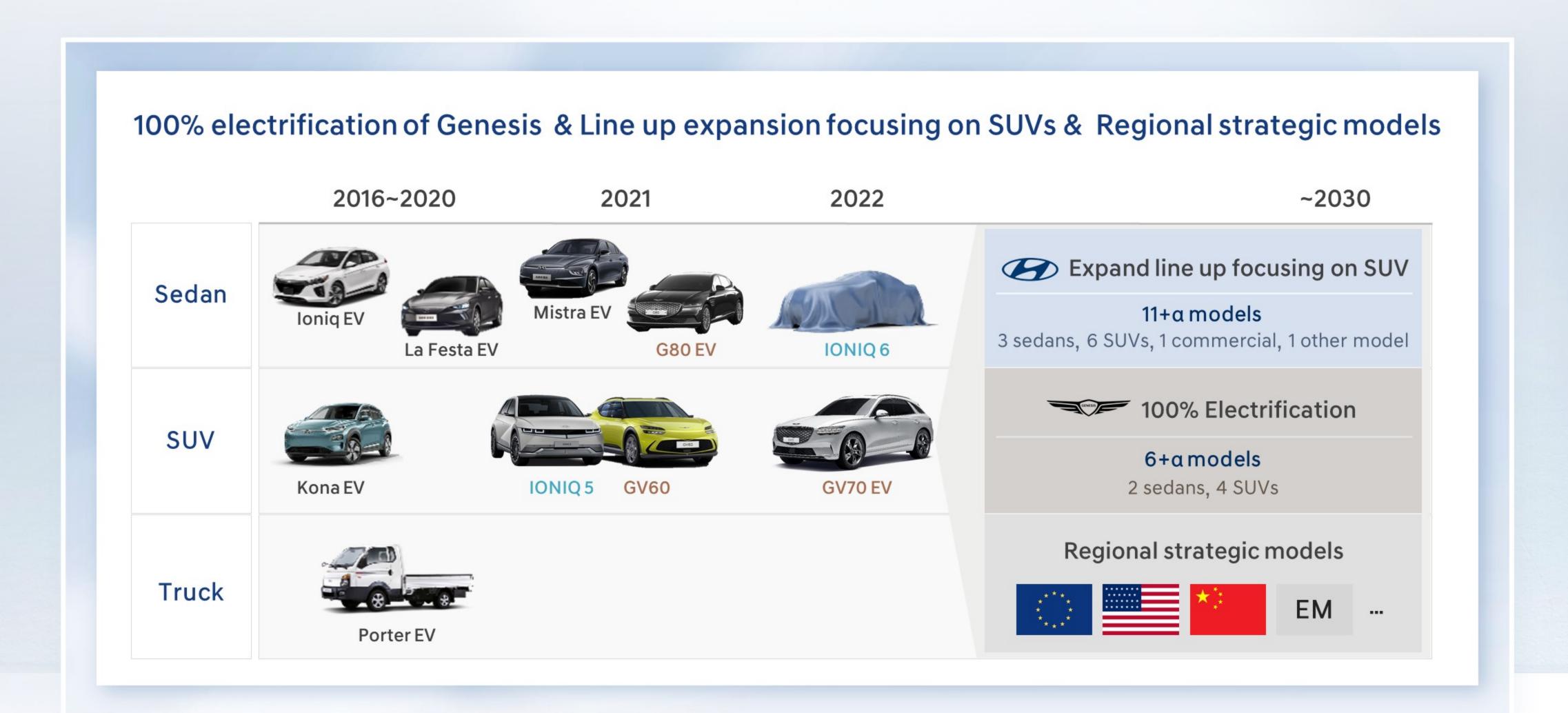
EV Sales of 1.87 million units & HMG M/S of 12% by 2030



Expansion of EV line ups



Establish 17 EV models by 2030 (11+ models for Hyundai, 6+ models for Genesis)





Improvement of EV Production Efficiency _HMGICS



Adopt production flexibility system, real-time customized logistics system, and utilization of digital twins* to innovate overall value chains and promote customer-centric manufacturing platform

* Digital twins : A technology that makes a digital replica of an actual car for simulation not only in a virtual space but also in the physical world to innovate products by linking data obtained through it to the actual car

Demand Driven,
Pull Method Production
System

Eliminate unnecessary process in value chain, Lean Production

Industry 4.0, Digital Transformation

HMGICS: Pilot for HMG's future innovated manufacturing system



Optimization of Global EV Production



- · Optimize EV production in major electrified markets
- · Continue sourcing through long-term supply agreement with major battery makers and secure additional sourcing by forming strategic partnerships with multiple battery suppliers

Production optimization to expand market presence in the global EV market



Comprehensive Battery Strategy



Enhance comprehensive battery strategy from sourcing/development/modular to improve profitability and achieve sales target in 2030

Technology

Development

Secure battery from strategic partnerships with battery makers

- → Formed JV with LG Energy Solution to produce 10GWh lithium-ion battery
- → Response to high EV demand in major markets from entering new partnerships
- → 50% of next generation lithium-ion batteries after '25 will be sourced from JVs

Expand markets by diversifying sourcing of NCM / LFP battery

Improve pricing from diversifying sourcing

Sourcing

2030

HYUNDAI

GENESIS

to secure
170GWh of batteries
by 2030

Combine modular architecture platform and modular battery system to improve battery performance and reduce cost

Apply cell-to-pack and review adoption of cell-to-frame from advancing modular architecture

Enhance performance and reduce cost from next generation battery development

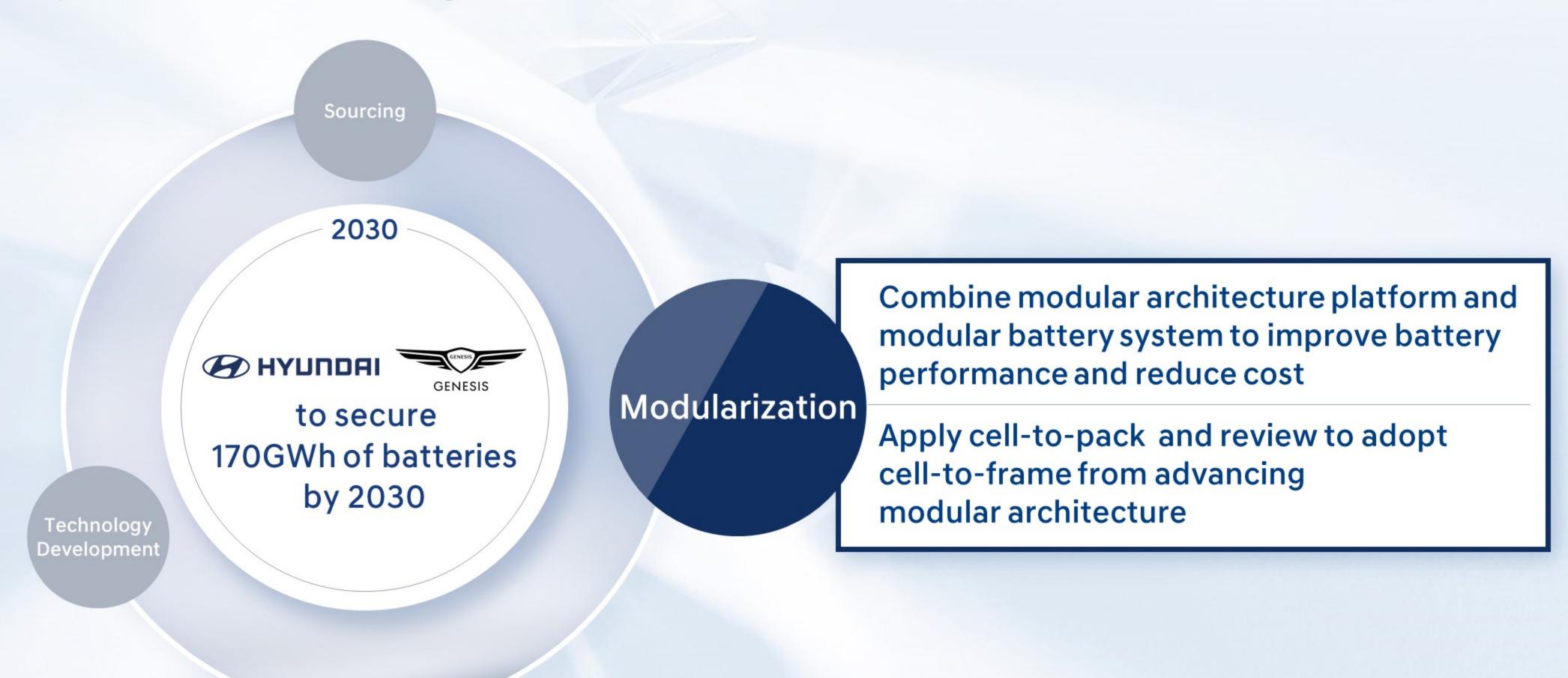
- → Improve lithium-ion battery performance
- → Invest in solid state battery and technology development
- → Next-generation battery technology development with various startups

Modularization

Battery Modular Strategy



Enhance comprehensive battery strategy from sourcing/development/modular to improve profitability and achieve sales target in 2030





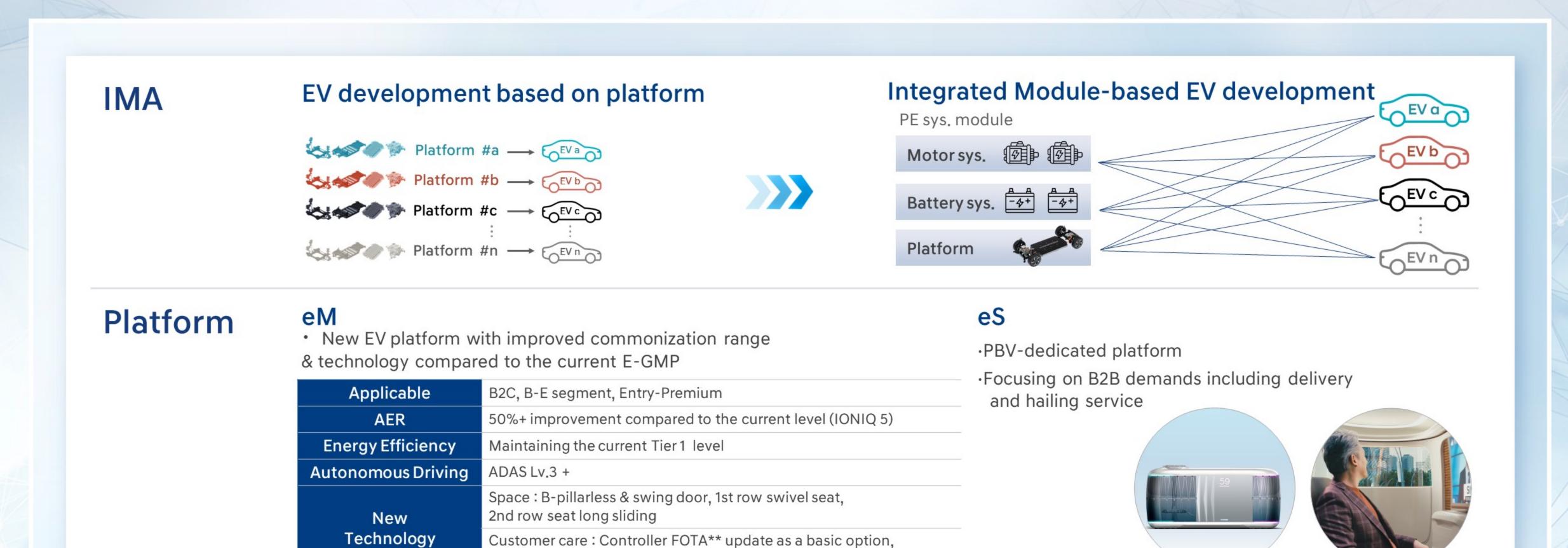
Product Competitiveness_ Integrated Modular Architecture



Adopt Integrated Modular Architecture (IMA)* concept by 2025

→ Efficient expansion of EV line up, increase of profitability, enhancement of performance

built-in air purifier



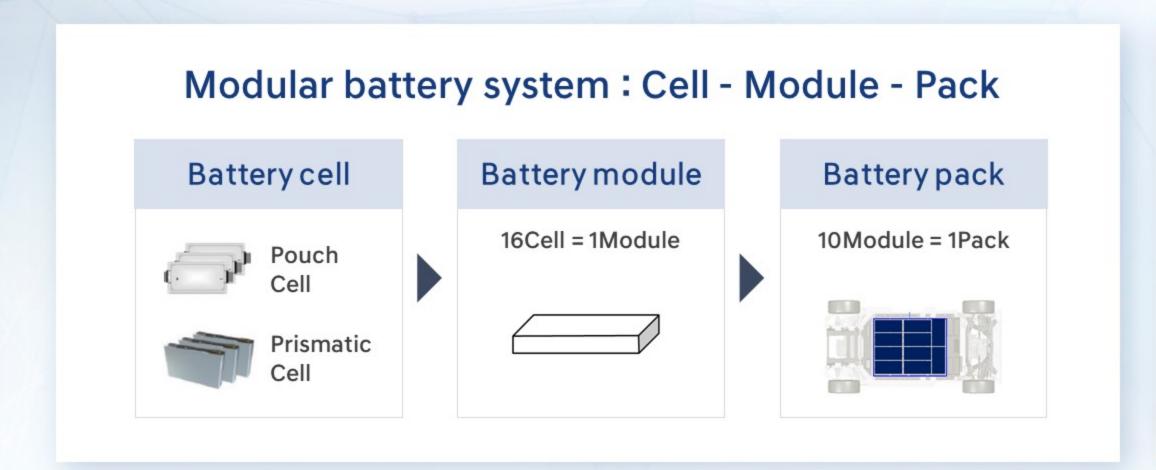
IMA_Battery System

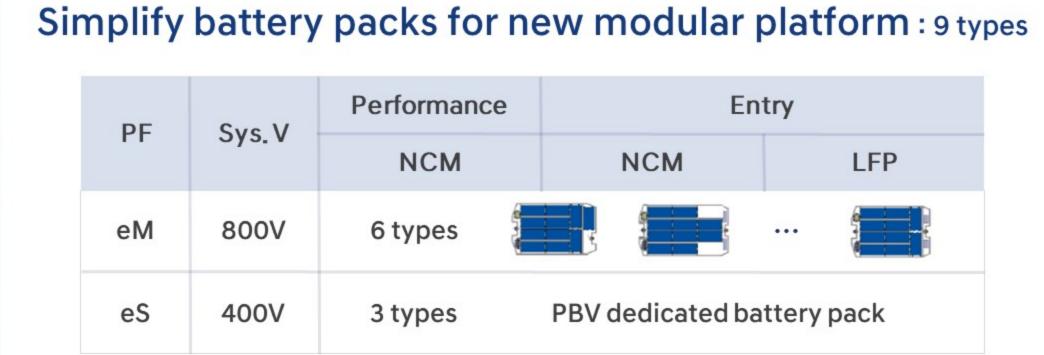


Apply standardized batteries based on modular battery system to each segment

→ Increase energy density, reduce cost, improve charging time

Introduce Cell-to-Pack system





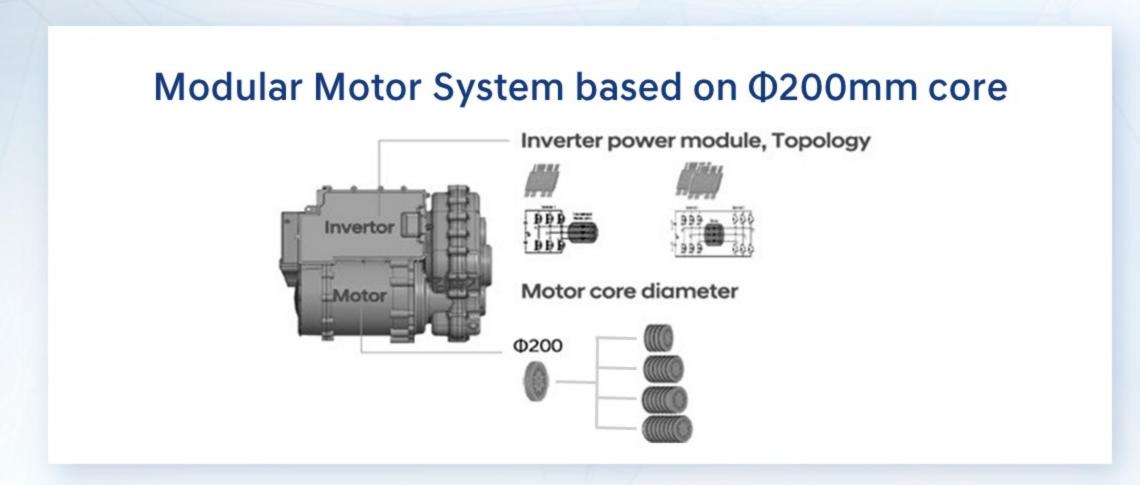


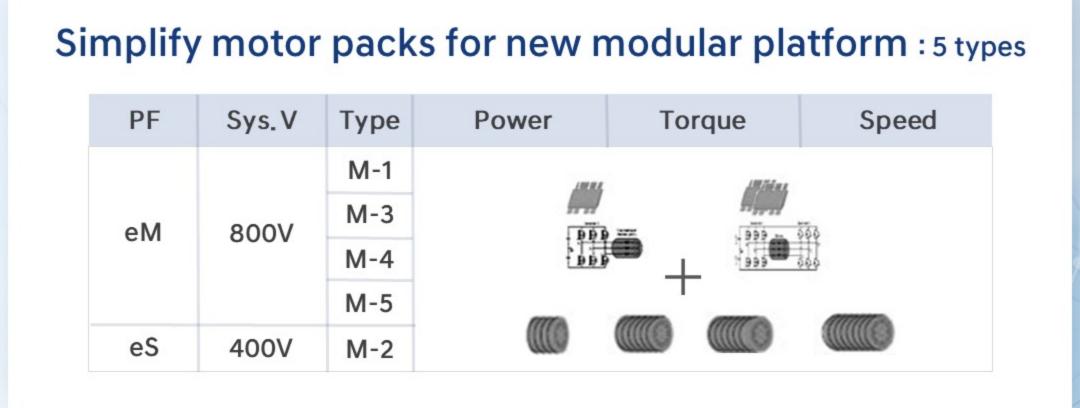
IMA_Motor System



Apply standardized motors based on modular motor system to each segment

→ Increase efficiency, reduce cost and weight





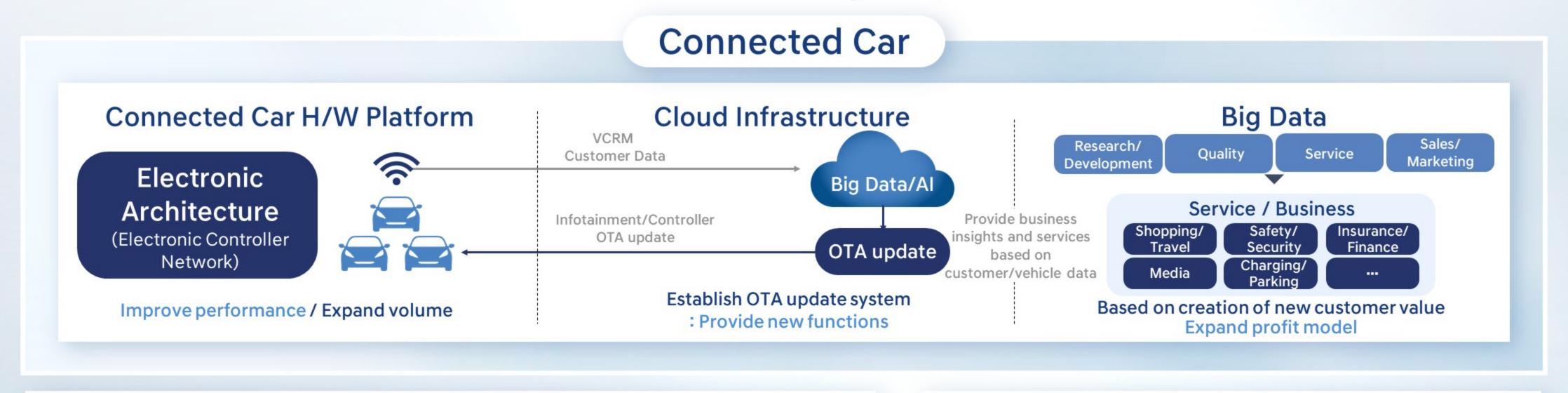


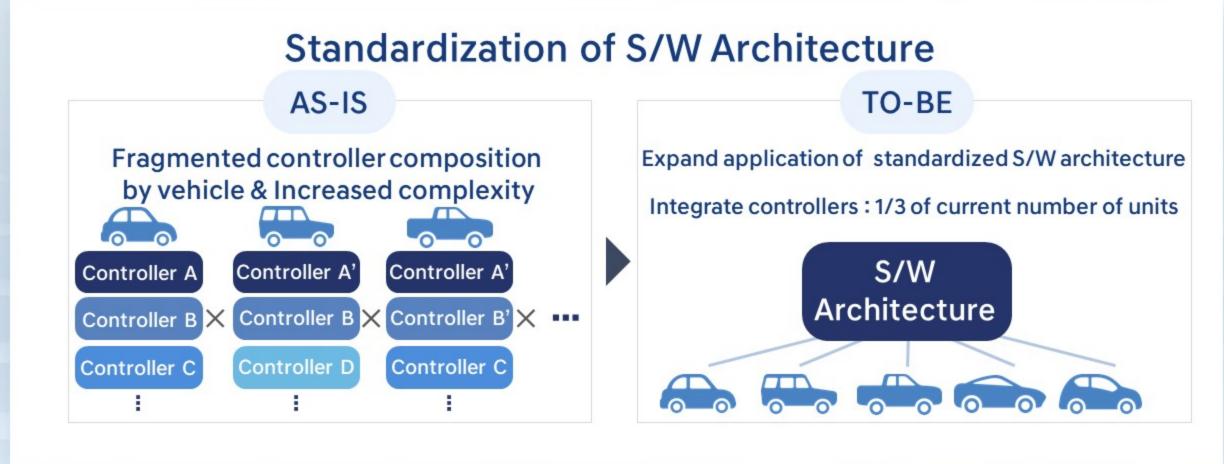


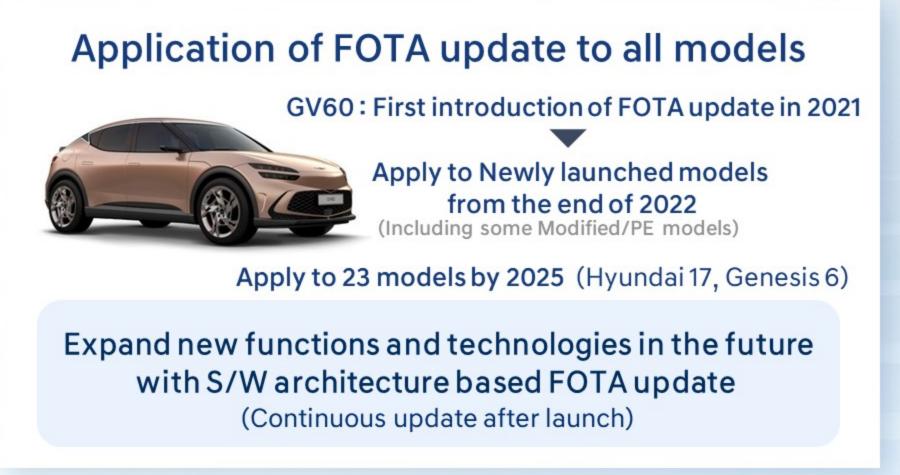
EV Product Competitiveness_S/W



Introduce standardized electronic architecture and apply FOTA update to all models to expand new functions based on vehicle to customer connectivity



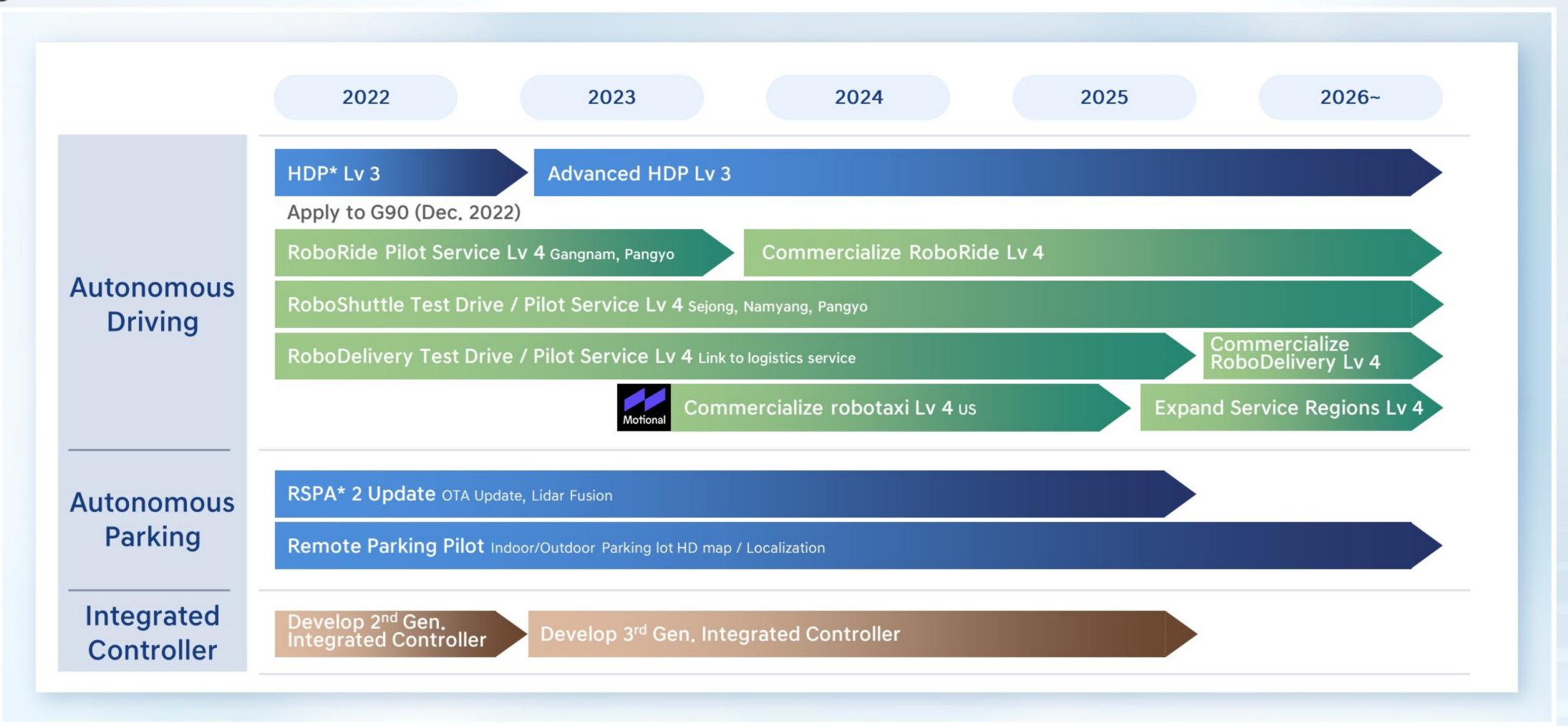




EV Product Competitiveness_S/W



Expand autonomous driving business with internalized technologies & development of integrated controller



EV Product Competitiveness_S/W Transformation



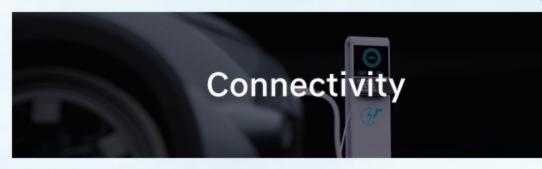
Achieve S/W Transformation target by securing manpower and expanding mid- to long-term investment

S/W Transformation Target

Achieve 30% Revenue with S/W business by 2030



Transport(RoboRide, RoboShuttle), Logistics (RoboDelivery/FMS), Car subscription service



Infotainment: Customized content, Subscription (New technologies/functions)

Convenience: EV charge, Vehicle remote management, In-car payment



Finance(Insurance, Lease), Maintenance, Advertising, Shopping

Secure S/W experts

Establish company-wide S/W centered development system

Secure capabilities of organizations

- Establish S/W specialized organizations globally
- Increase S/W experts by 20% annually
- Accelerate standardizing and applying S/W architecture with S/W specialized organizations

Develop S/W to optimize Device & Service

Expand mid-to long-term investment

Invest KRW 12tr by 2030

Technology Development: KRW 4.3 tr

Connectivity, AI, Robotics,
 Mobility and Autonomous Driving

Strategic Investment: KRW 4.8 tr

- Investment for start-ups and research institutes

Company-wide ICT Investment: KRW 2.9 tr

- Big Data Center : Establishment of Server and Cloud, Operation fees
- Service Development : Platform, Applications



07

FINANCIAL TARGET





2022 Annual Guidance



Wholesale

4.32 million Units

OPM(Consolidated)

Revenue Growth

13~14%

OPM

5.5~6.5%

Investment · FCF

Investment Plan

KRW9.2 tr

Auto FCF

2022

 $-0.5 \sim +1.0 tr$

Shareholder Return

Dividend per Share

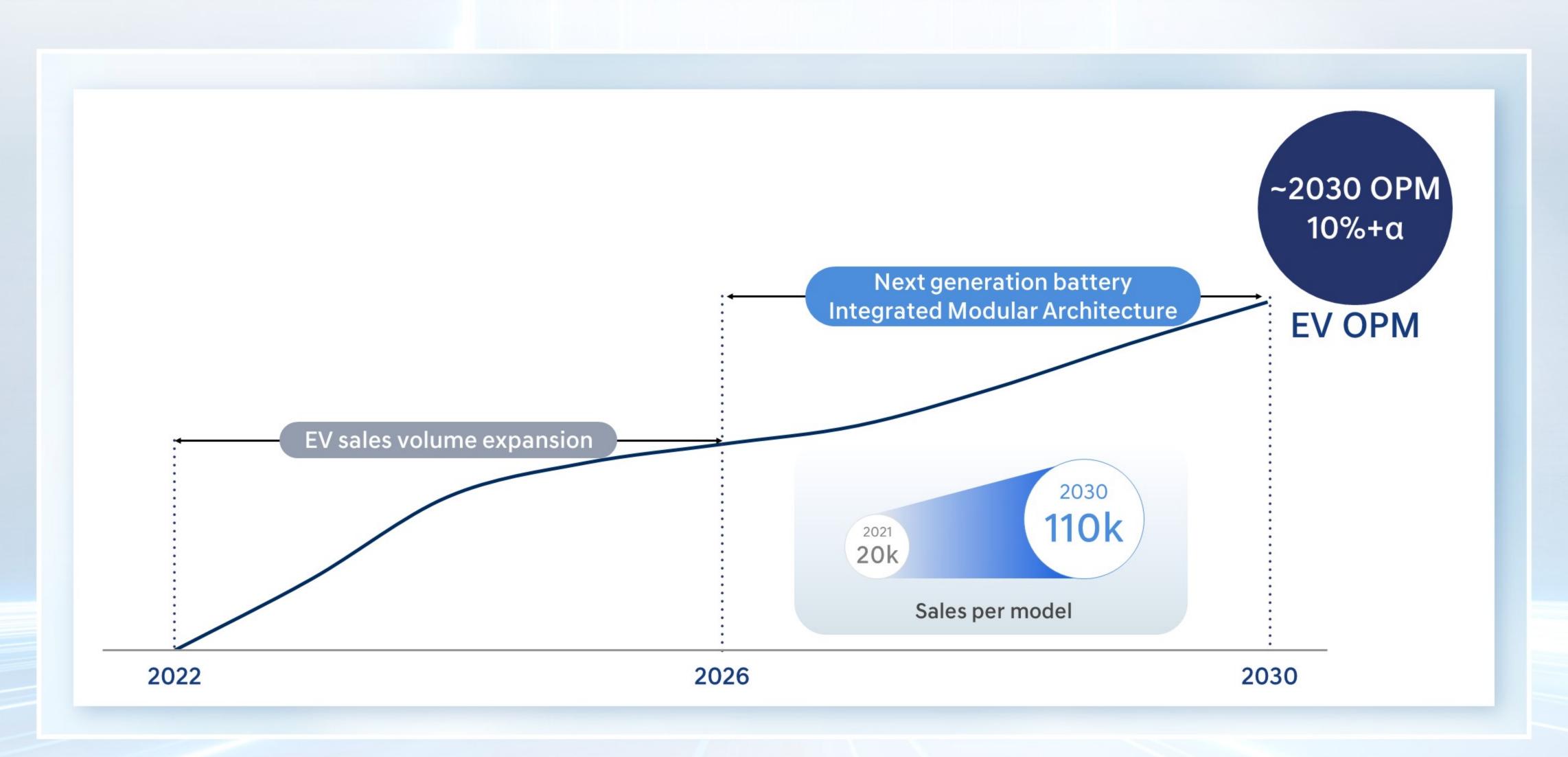
Similar level or higher Compared to 2021

* Manage flexible shareholder return policy considering investment resources and earnings improvement trend etc.

EV Profitability Target



Target to achieve 10%+α EV OP margin in 2030



Mid-to Long-term financial target









Improvement factors

- · Global demand rebound
- Continued product mix improvement
- · Increased market share in the US

Constraints

- · Semiconductor shortage issue
- → Production disruption
- · Increased raw material costs

Improvement factors

Continued profit improvement of ICE

- · Mix improvement of SUV and Genesis
- Cost reduction including low incentive spendings



Securing stable foundation for EV profitability

- $\cdot \, \mathsf{Accelerating} \, \mathsf{cost} \, \mathsf{reduction} \,$
- · Sales volume expansion

Improvement factors

Stabilized EV profit

 Modular architecture, battery systems, etc. Improve profits from standardized systems



Full-scale sales of S/W related businesses and new services

Mid-to Long-term Investment Plan





(Unit: KRW Trillion)

95.5

R&D

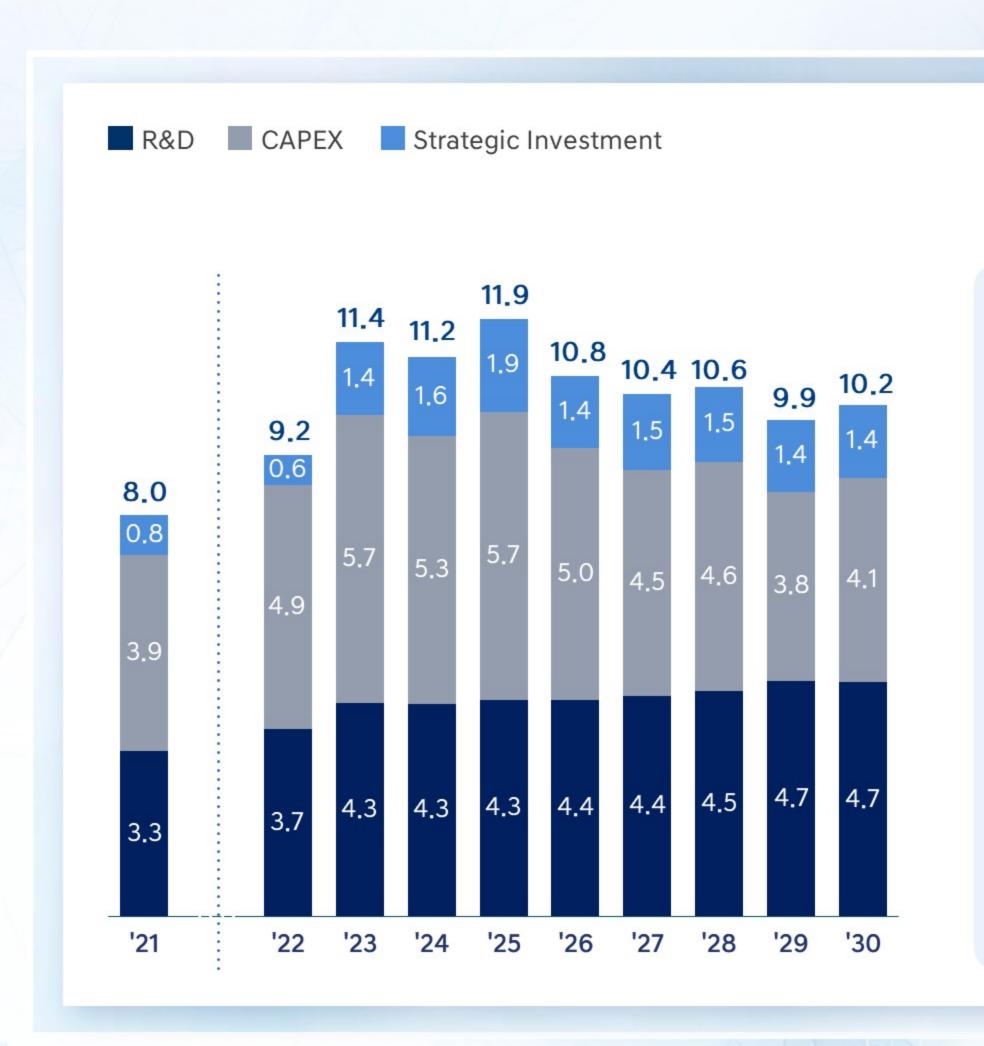
39.1

CAPEX

43.6

STRATEGIC INVESTMENT

12.8



Investment for Electrification by 2030

19.4

- Product development
- Development of advanced technology for electrified parts
- Construction of new plants and production line
- ·Establishment of EV charging station
- ·Strategic alliance, stake acquisition, etc