



Ichiro Hirose

Senior Managing Executive Officer

Oversight of R&D and Cost Innovation

Mazda Motor Corporation

Major Changes in Business Environment

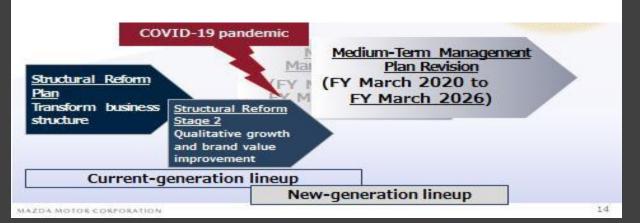
Centenary in 2020, and for the next 100 years





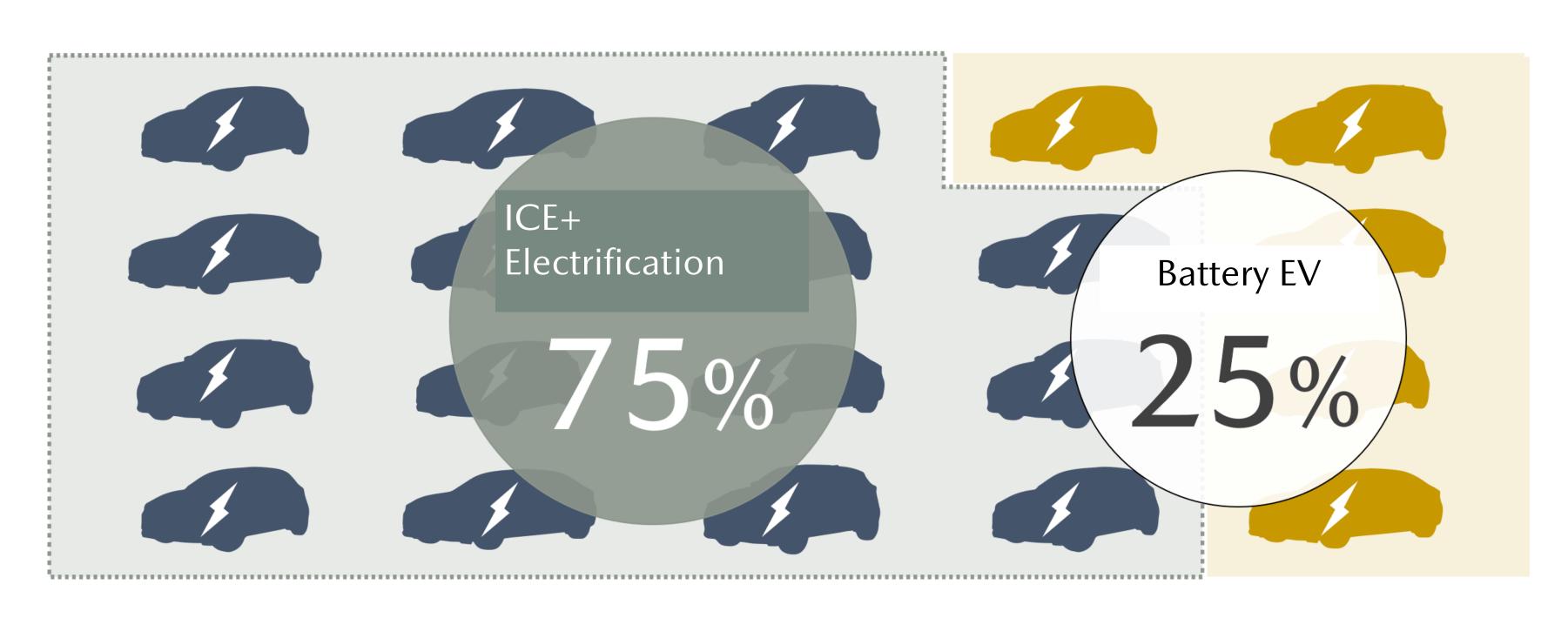
Positioning of Medium-term Management Plan

- Co-creation, heighten brand value
- Shift to Brand Value Management
- The 1st stage for the next 100 years



Endeavor for Carbon Neutrality in 2050

Globally100% electrification in 2030 25% of total production consists of BEVs



MAZDA

Medium-Term Technology and Product Policy Briefing

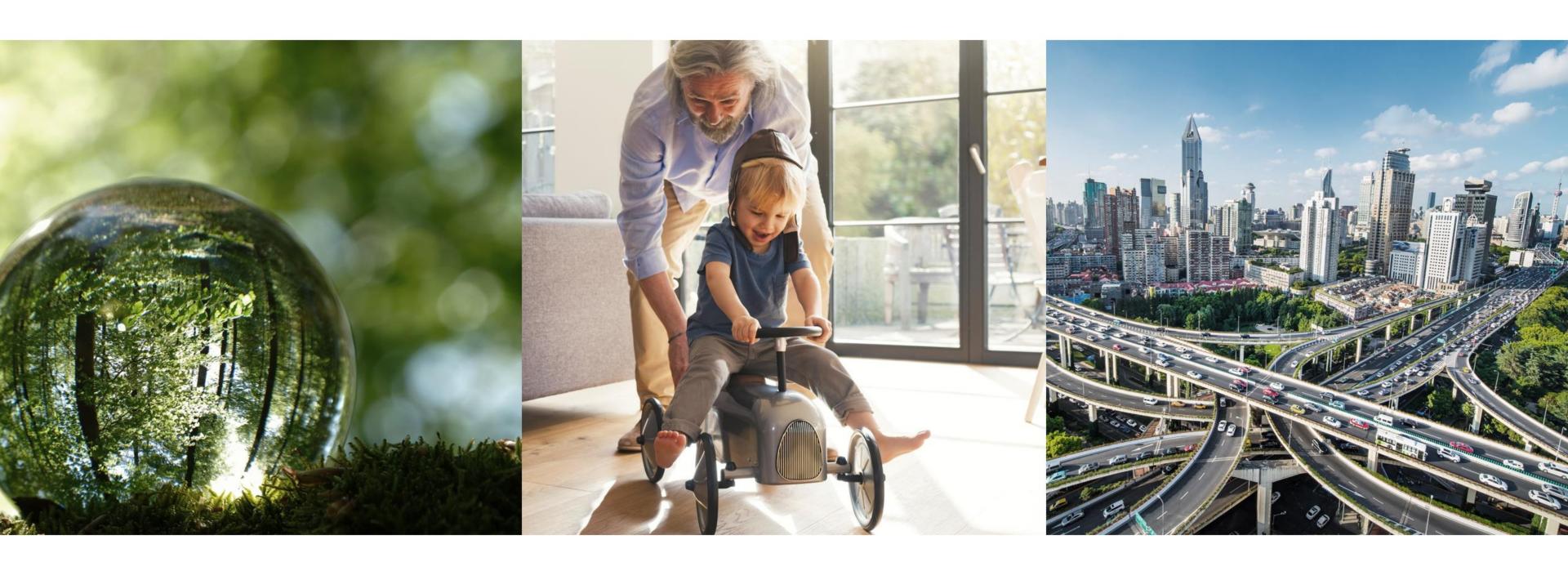
Mazda Corporate Vision

We love cars and want people to enjoy fulfilling lives through cars. We envision cars existing sustainably with the planet and society, and we will continue to tackle challenges with creative ideas.

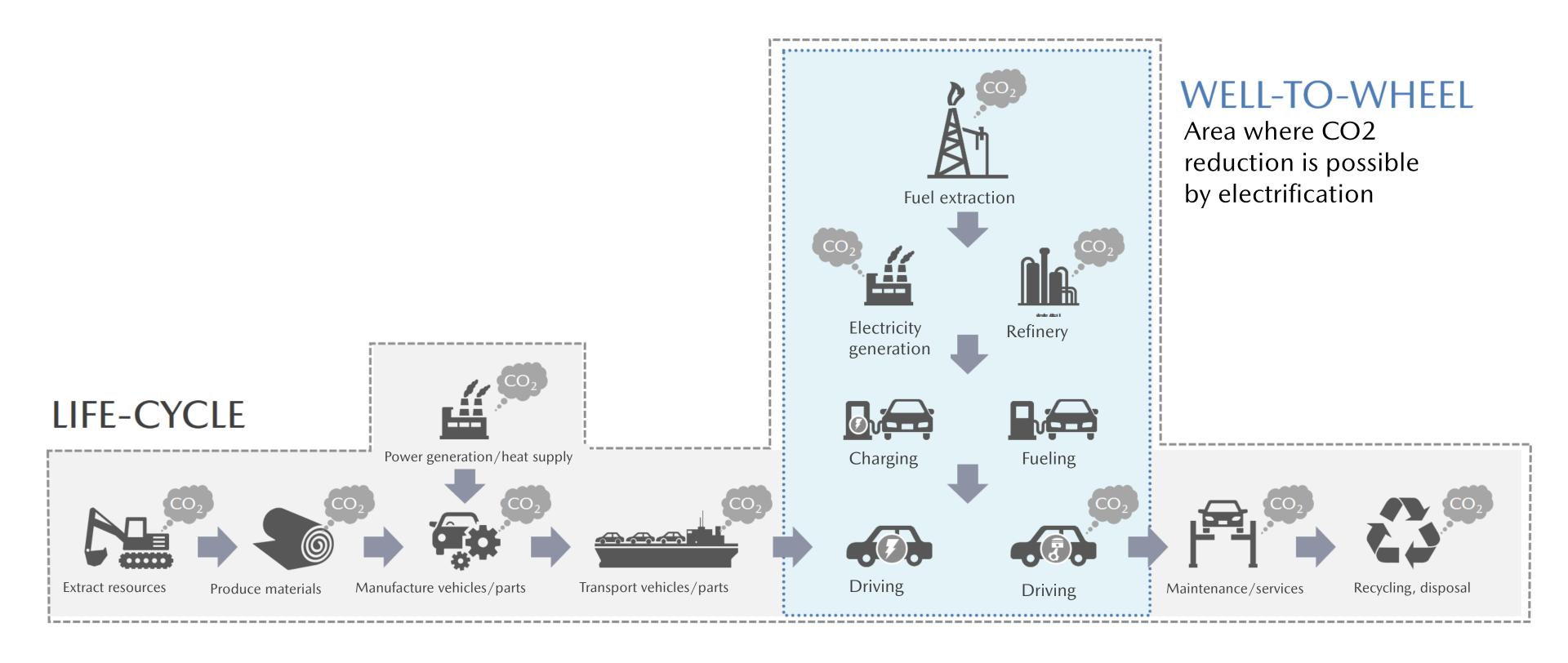
- 1. Brighten people's lives through car ownership.
- 2. Offer cars that are sustainable with the planet and society to more people.
- 3. Embrace challenges and seek to master the Doh ("Way" or "Path") of creativity.

SUSTAINABLE ZOOM-ZOOM 2030

Mazda takes it as its mission to help realize the beautiful earth, and continues to inspire people's minds through the value provided by cars



Approach to Substantively Reduce CO2





Building Blocks to Achieve our Vision



"Once-in-a-Century Transformation"



ONLY THE SKY IS THE LIMIT pushing the limits SKYACTIV TECHNOLOGY Phase 1

SKYACTIV SCALABLE ARCHITECTURE dedicated to Internal Combustion Engine

STEP-3 Motor Drive Technology

STEP-2 Regenerative Braking Technology

STEP-1 Idling Stop Technology

Base Technology Evolution – SKYACTIV TECHNOLOGY

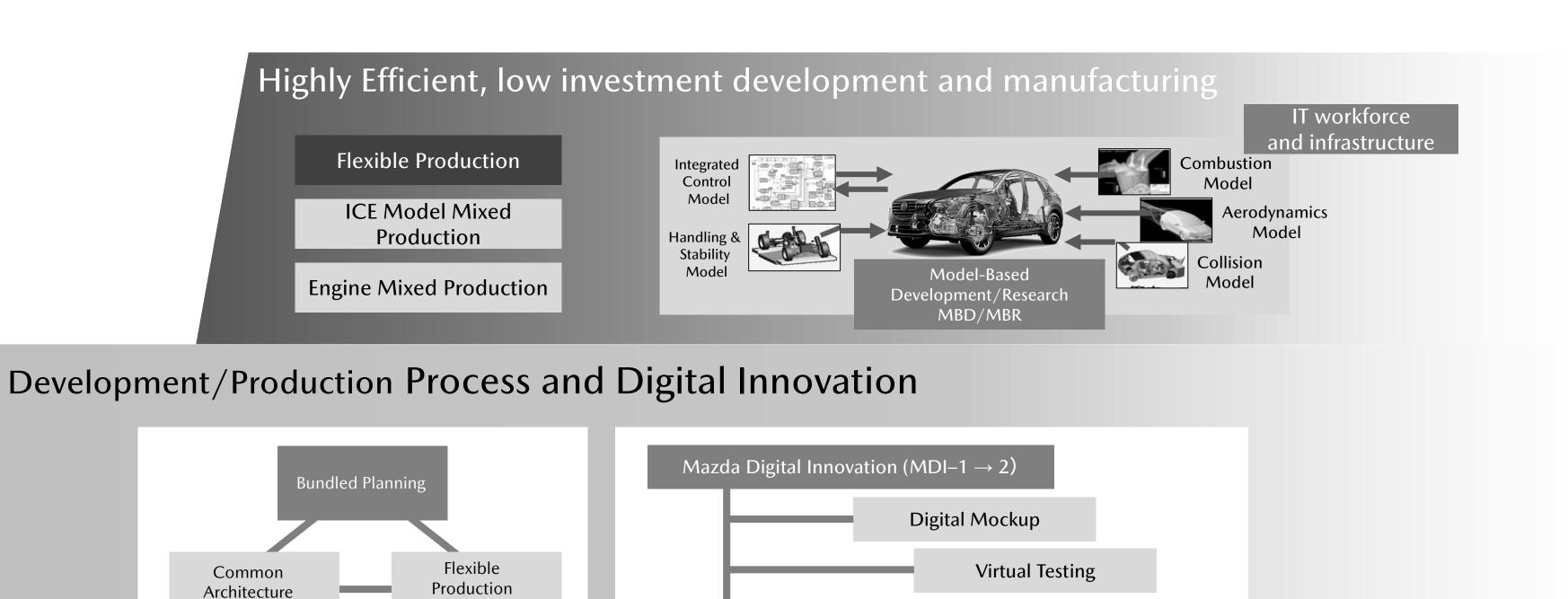






Technological Innovation



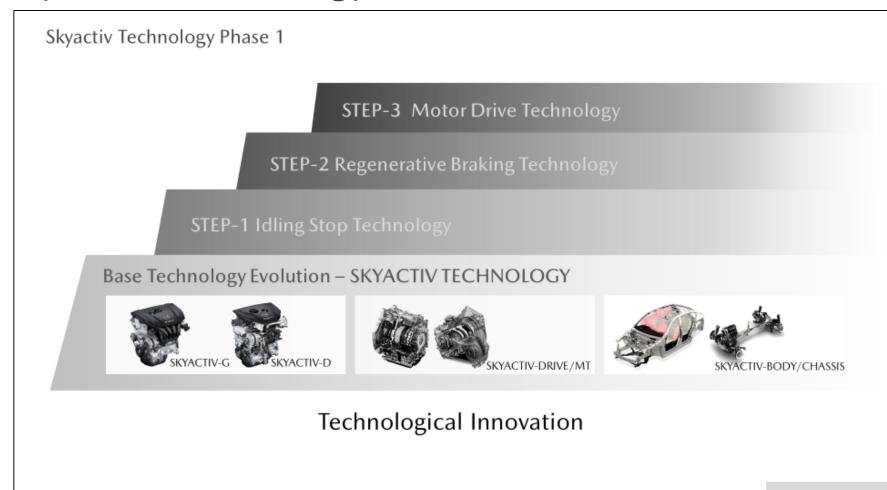


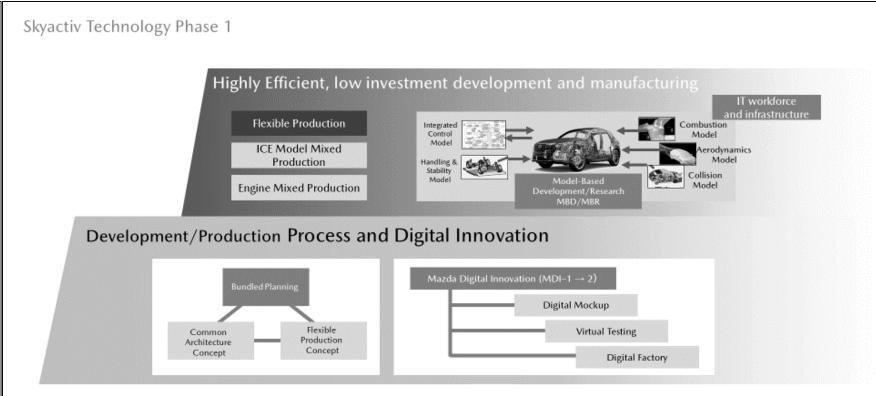
Digital Factory

Monotsukuri Innovation

Concept

Concept





Monotsukuri Innovation



SKYACTIV TECHNOLOGY Phase 2 SKYACTIV MULTI-SOLUTION SCALABLE ARCHITECTURE

Small Product Group – Transverse Layout











Evolution of Base Technologies – SKYACTIV TECHNOLOGY









Large Product Group- Longitudinal Layout







SMALL Group – Transverse Layout









Evolution of Base Technologies – SKYACTIV TECHNOLOGY



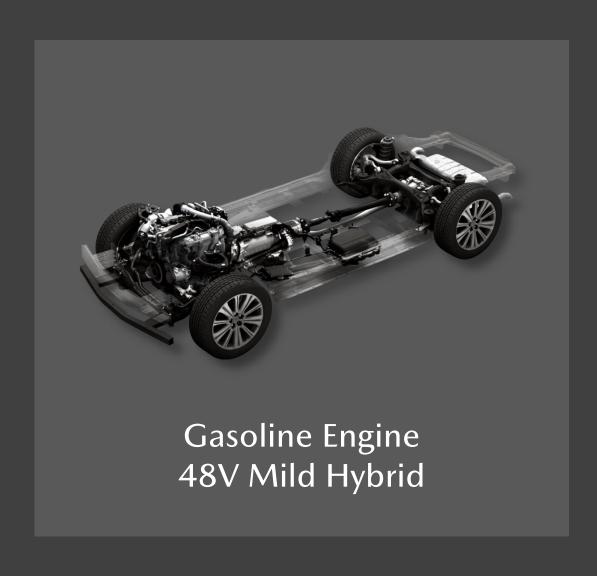




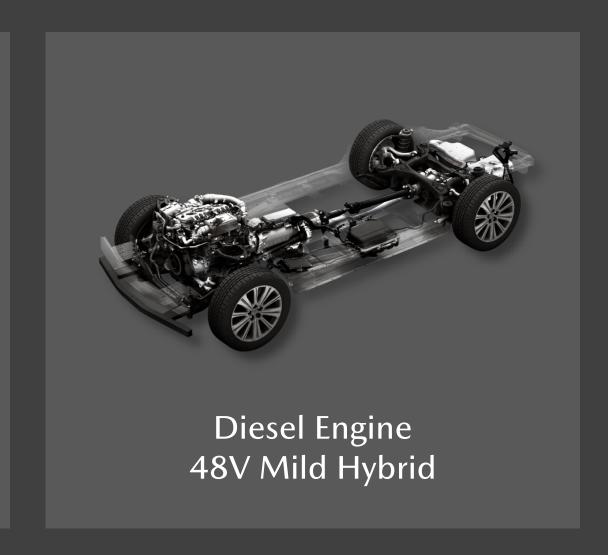




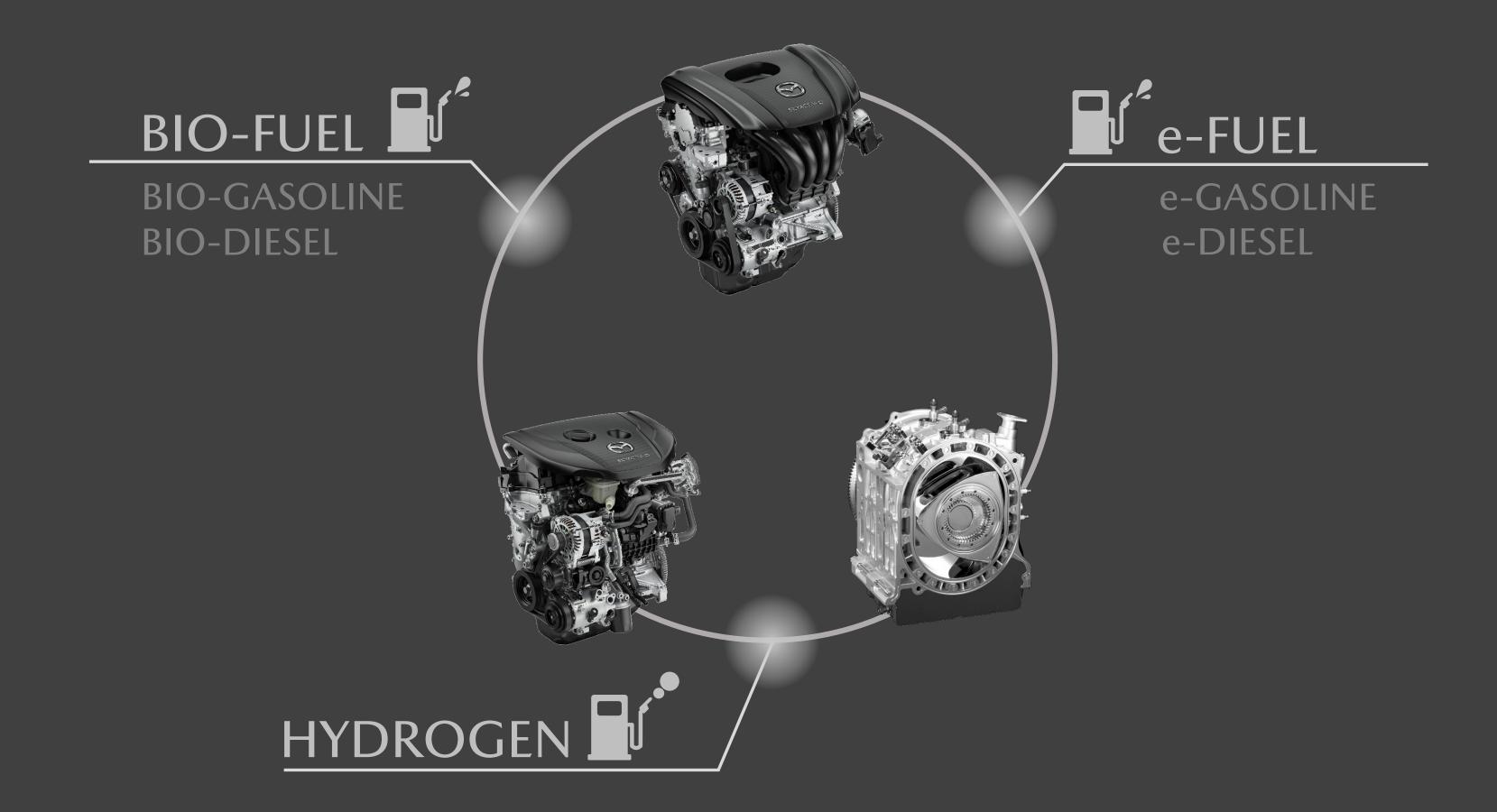
LARGE Group – SKYACTIV Multi-Solution Scalable Architecture



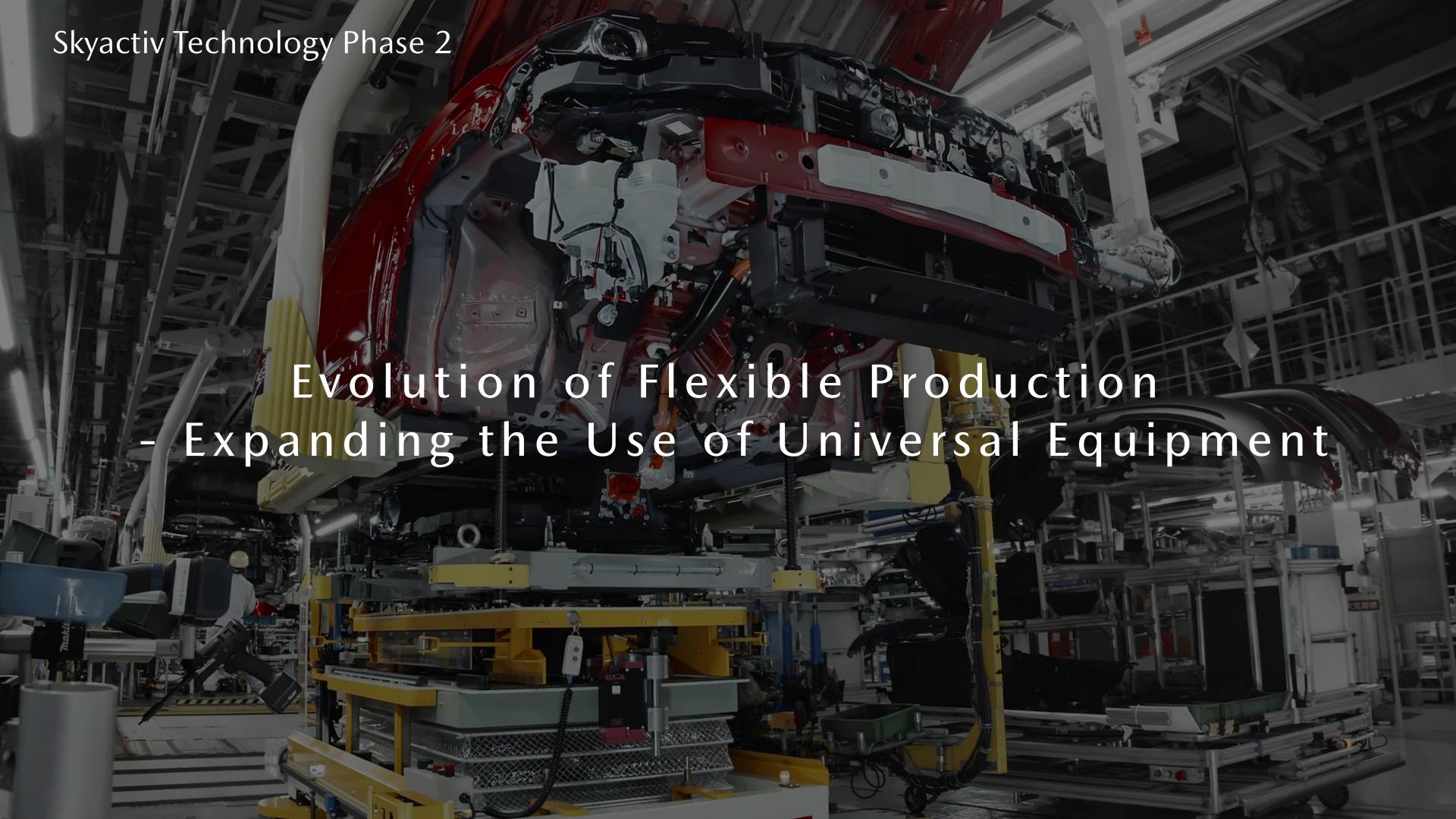




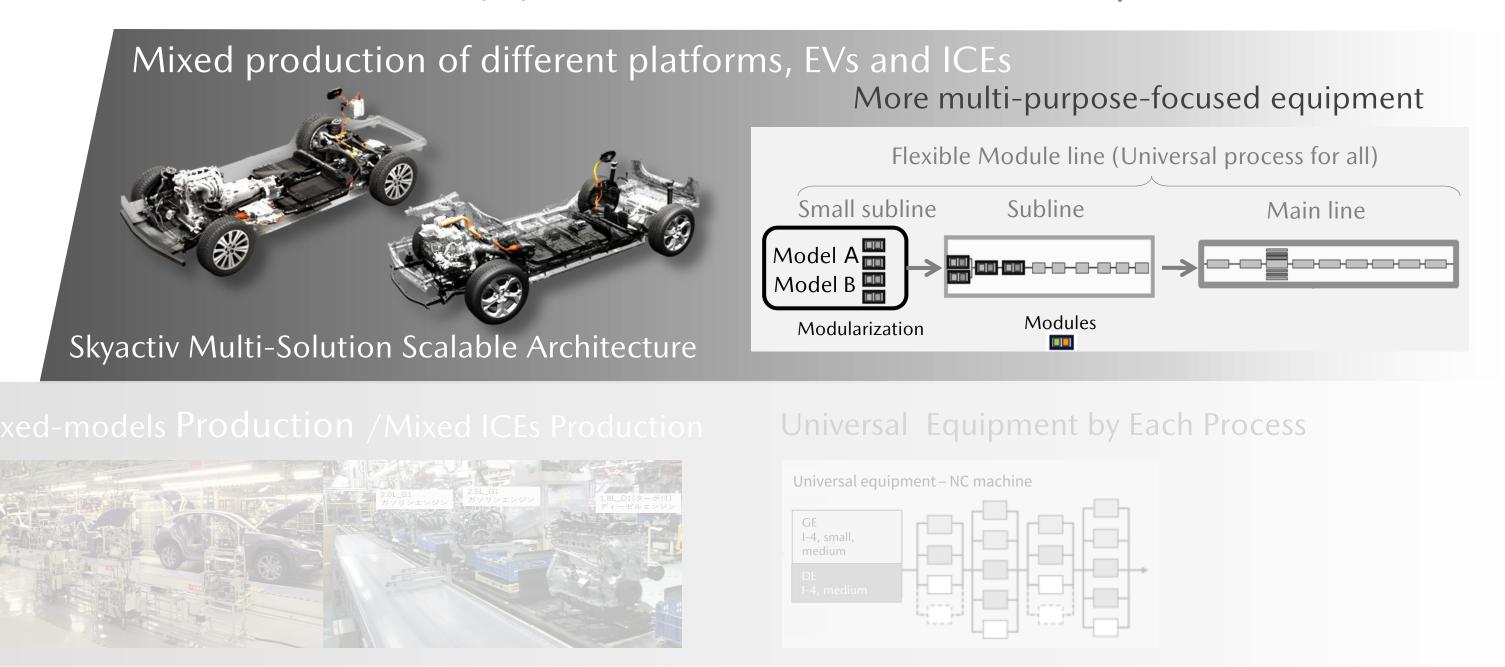
- Engine to mount : Inline 6 cylinder SKYACTIV-G/D/X, Inline 6 cylinder SKYACTIV-G
- Applied electrification tech: 48V Mild Hybrid system, Plug-in Hybrid system



Actions for Multi-Solution in Manufacturing



Accelerate the Use of Universal Production Equipment ~ Reduce Investment, Prepare for the Future



Monotsukuri Innovation: Common Architecture/Flexible Production Concept









SMALL Group – Transverse Layout











Base Technology – SKYACTIV TECHNOLOGY







i-Stop





Monotsukuri Innovation

2022

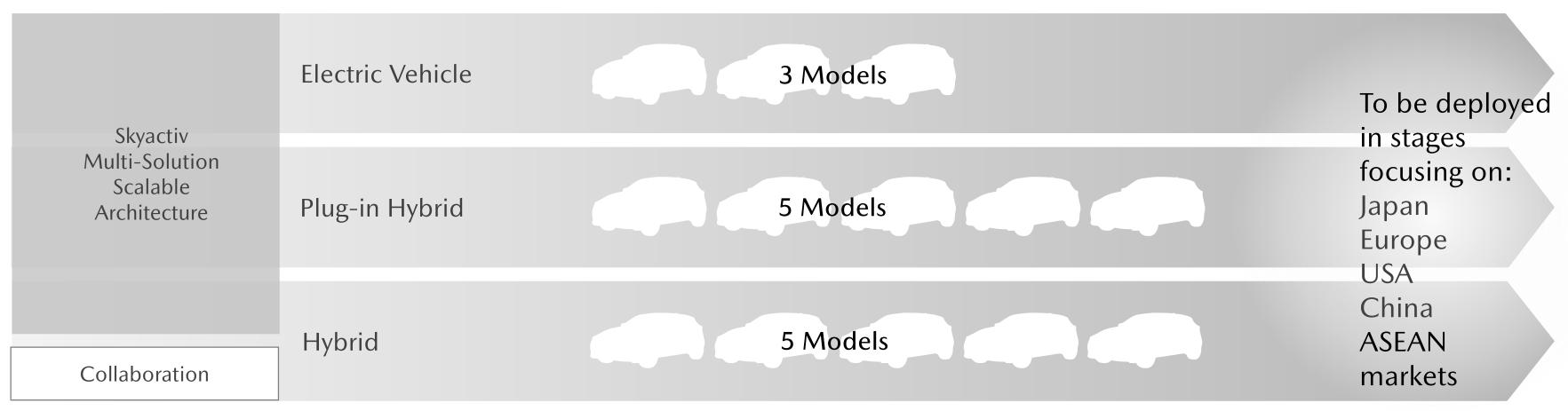
2023

2024

2025 • • •

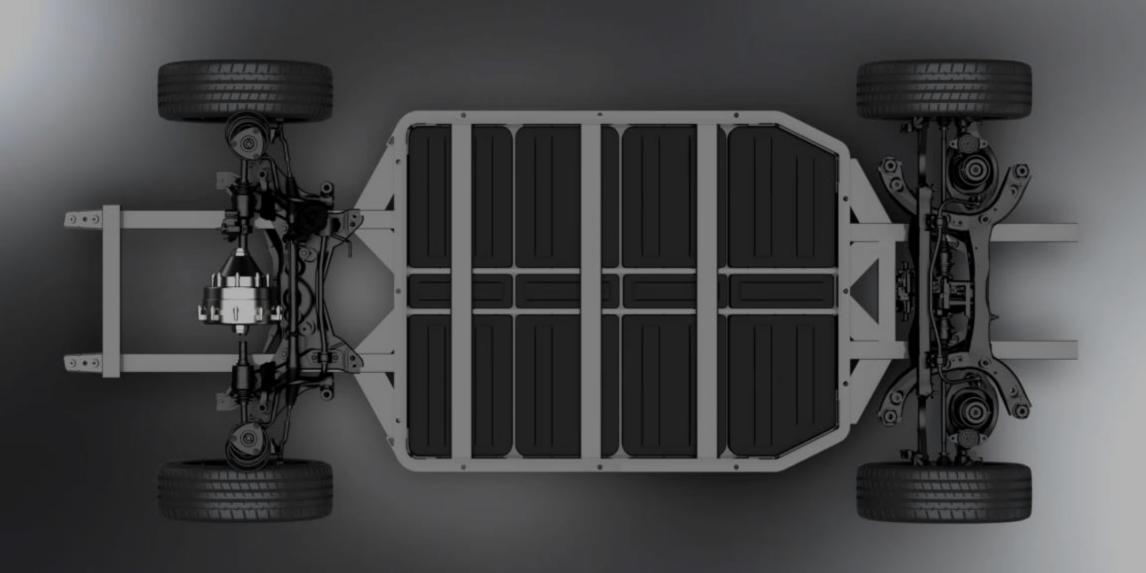
2030

Future Plan for Electrified Products



^{*} Mild-hybrid is not included

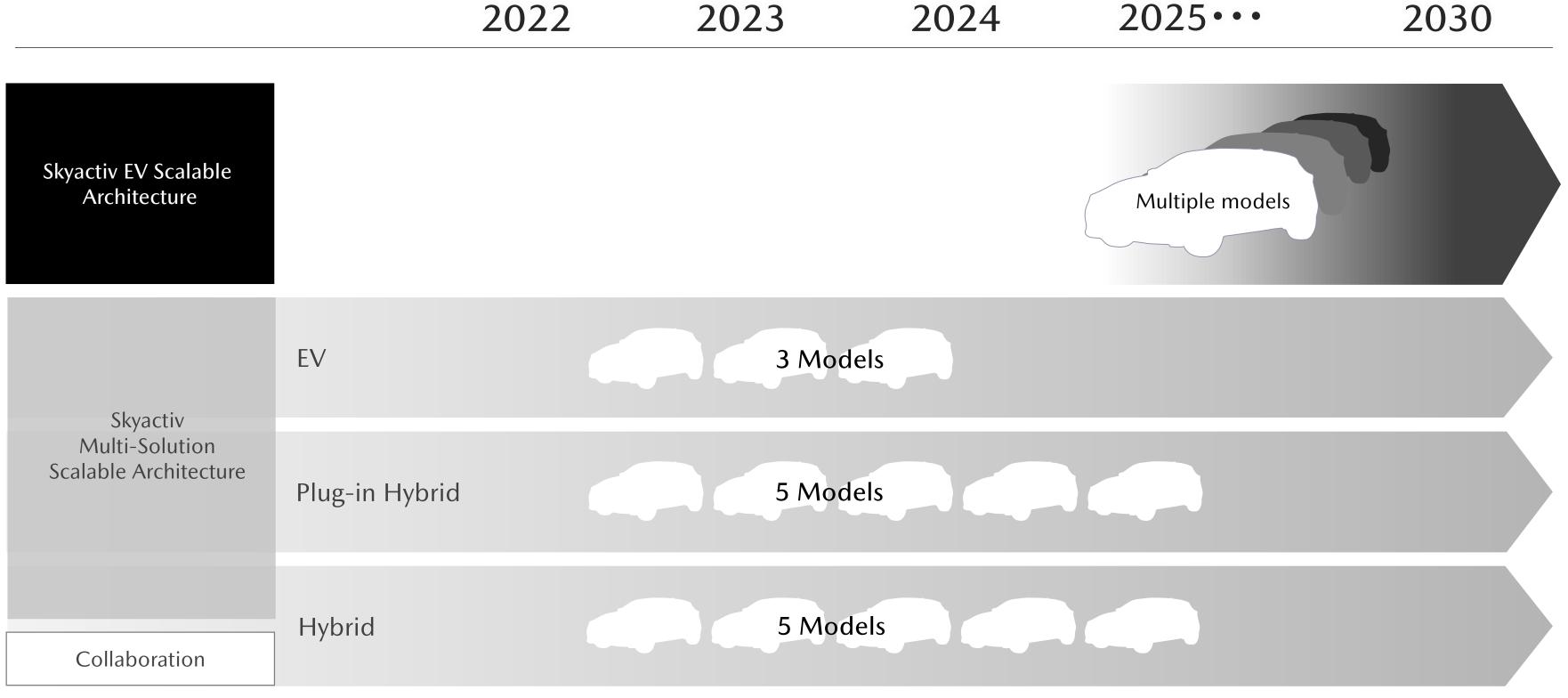




for illustration purpose only

SKYACTIV EV SCALABLE ARCHITECTURE

Compatible with EVs of various vehicle sizes and body types



^{*} Mild-hybrid is not included

Toward a Safe and Secure Automotive Society

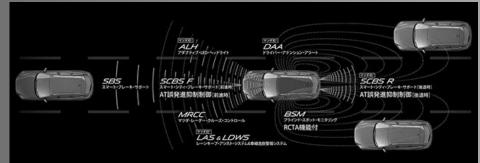
MAZDA PROACTIVE SAFETY

Human-centric safety technology supporting "driving pleasure" of drivers to move freely at their will

Aims to ensure everyone, including drivers, their families, and those around them, can drive safely and with peace of mind anytime, anywhere

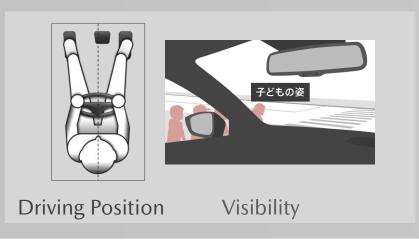
Continuous evolution of advanced safety technologies assisting the driver to recognize hazards and make good judgment

i-ACTIVSENSE



Continuous evolution of basic safety technologies (Crash safety / good visibility)







Building blocks toward the realization of an 'accident-free society'

MAZDA CO-PILOT CONCEPT

Driver Sensing Technology monitoring driver conditions and protecting lives



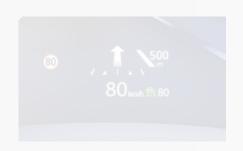
i-ACTIVSENSE



Continuous evolution of basic safety technologies (Crash safety / good visibility)







Heads-up Cockpit

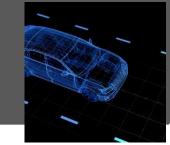
MAZDA CO-PILOT CONCEPT

Peace of mind Safety

MAZDA CO-PILOT 2.0

Roads limited to motorized vehicles:

- Pull over to the shoulder Ordinary roads:
- Pull over to the shoulder



MAZDA CO-PILOT 1.0

Roads limited to motorized vehicles:

- Pull over to the shoulder Ordinary roads:
- Stop on the same lane





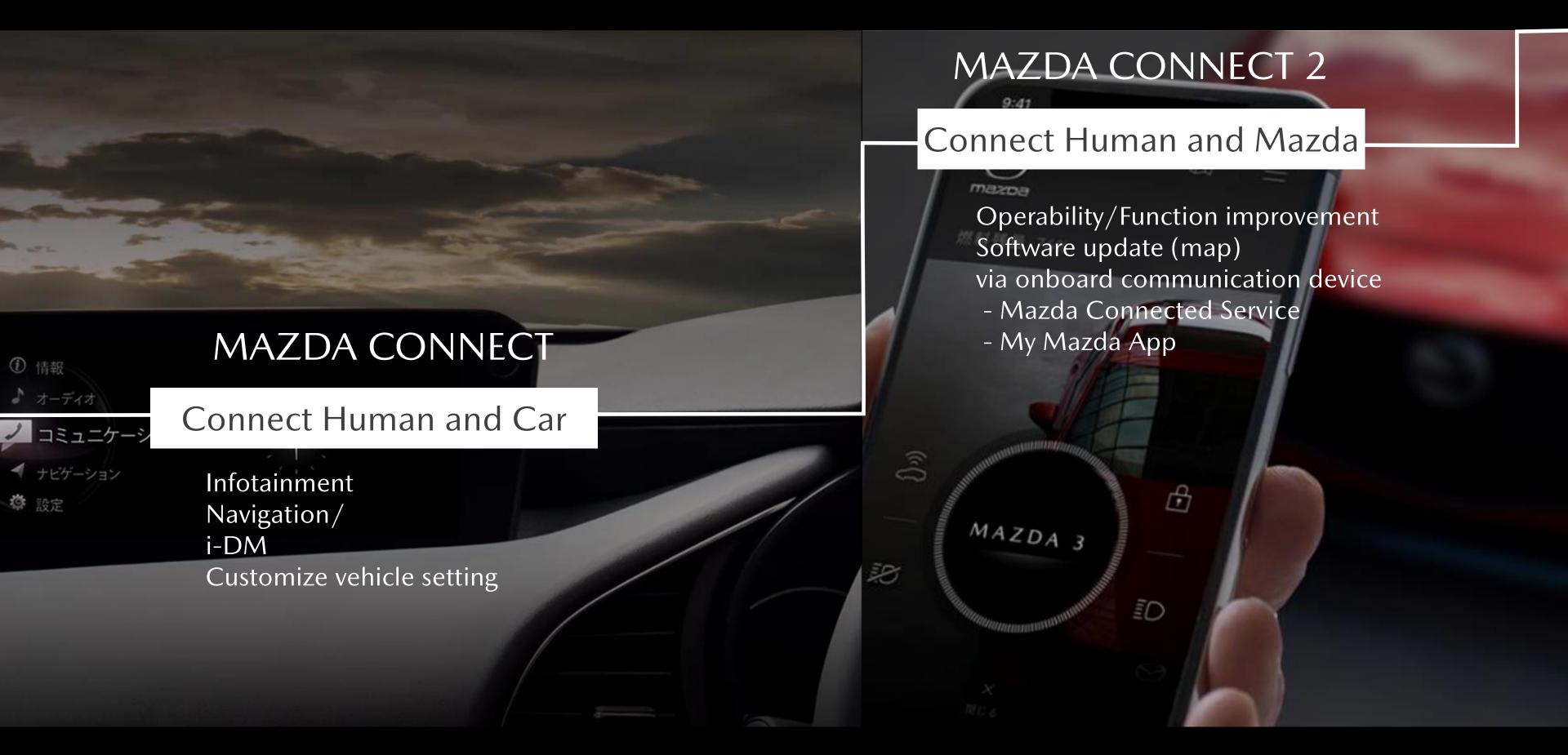
i-ACTIVSENSE

2022 2025 • • •

The Next Era - Mobility as a Service -

Provide new value of cars that Connects people with one another and people with society through sharing the experience and excitement felt through cars, enabling people to feel 'the joy of driving' and 'the joy of life'



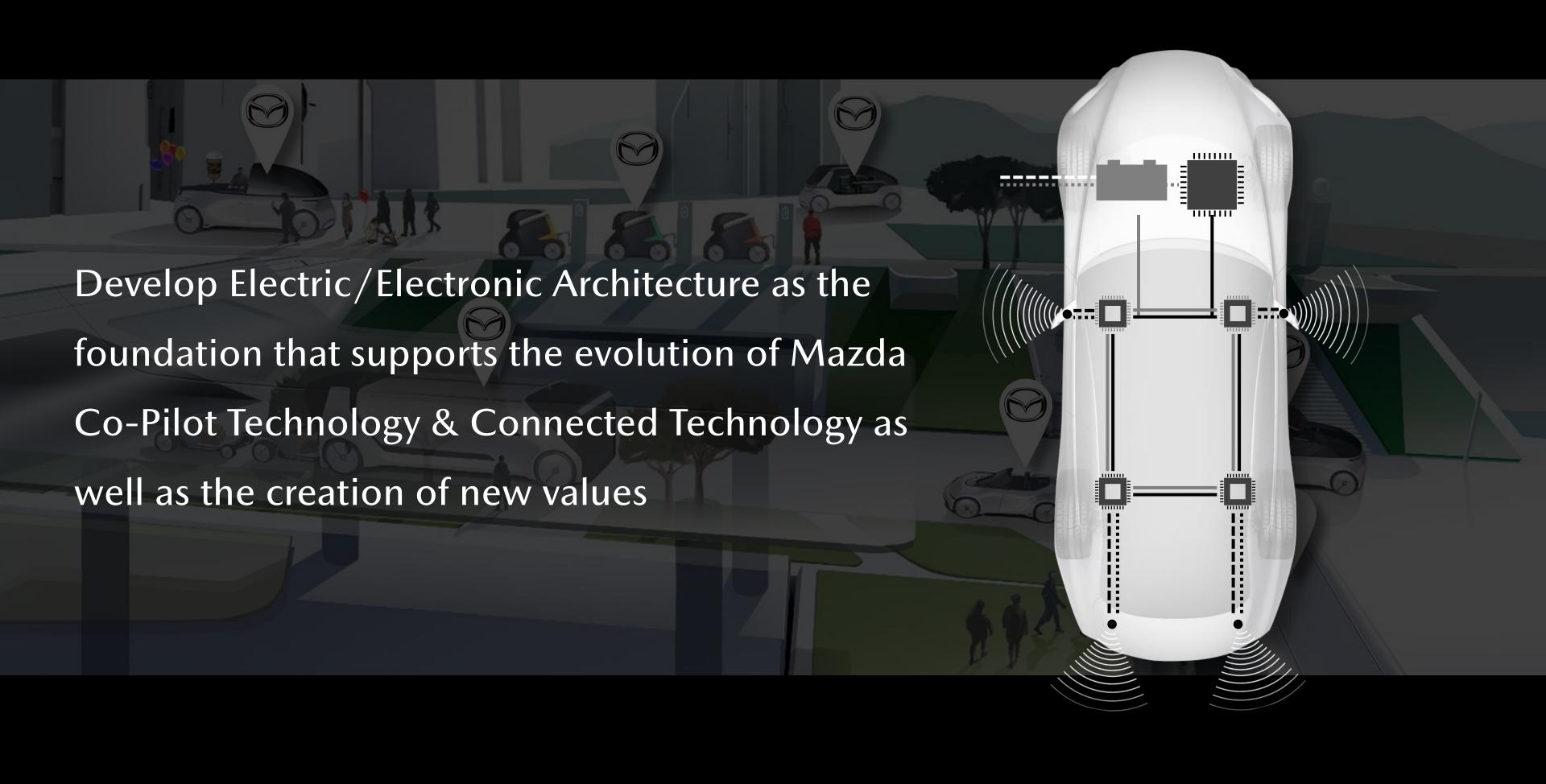


Evolution of MAZDA CONNECT



Individual customers and servers Common telecommunication device and connection function Onboard Communication Device

Individual vehicles





Mazda Corporate Vision

We love cars and want people to enjoy fulfilling lives through cars. We envision cars existing sustainably with the planet and society, and we will continue to tackle challenges with creative ideas.

- 1. Brighten people's lives through car ownership.
- 2. Offer cars that are sustainable with the planet and society to more people.
- 3. Embrace challenges and seek to master the Doh ("Way" or "Path") of creativity.

Mazda's Evolution Will Continue, Pursuing the Ideals for a Company that Provides Cars.