

THE FUTURE MOBILITY SOCIETY & SUSTAINABLE TRANSFORMATION



MR. SIRIVIT PREECHASUT

GENERAL MANAGER
CORPORATE PLANNING DEPARTMENT
TOYOTA MOTOR THAILAND

▼CASE

The future of mobility

CONNECTIVITY



V2X

V2D
V2P
V2V
V2I

The networking of cars
with the outside world
(Car2Car & Car2X
e.g. infrastructure, etc.)

AUTONOMOUS



LV0-2
LV3
LV4-5

Continuing evolution of
automate tech. aims to
deliver greater safety
(Current @ Lv.2 Partial automation)

SHARING



Using instead of owning



ELECTRIFICATION



HEV
PHEV
BEV
FCEV

Growing of xEV
penetration
for environmental friendly
& sustainable growth



TOYOTA

PRODUCING HAPPINESS FOR ALL



Toyota Mobility



Toyota Mobility



Carbon Neutrality

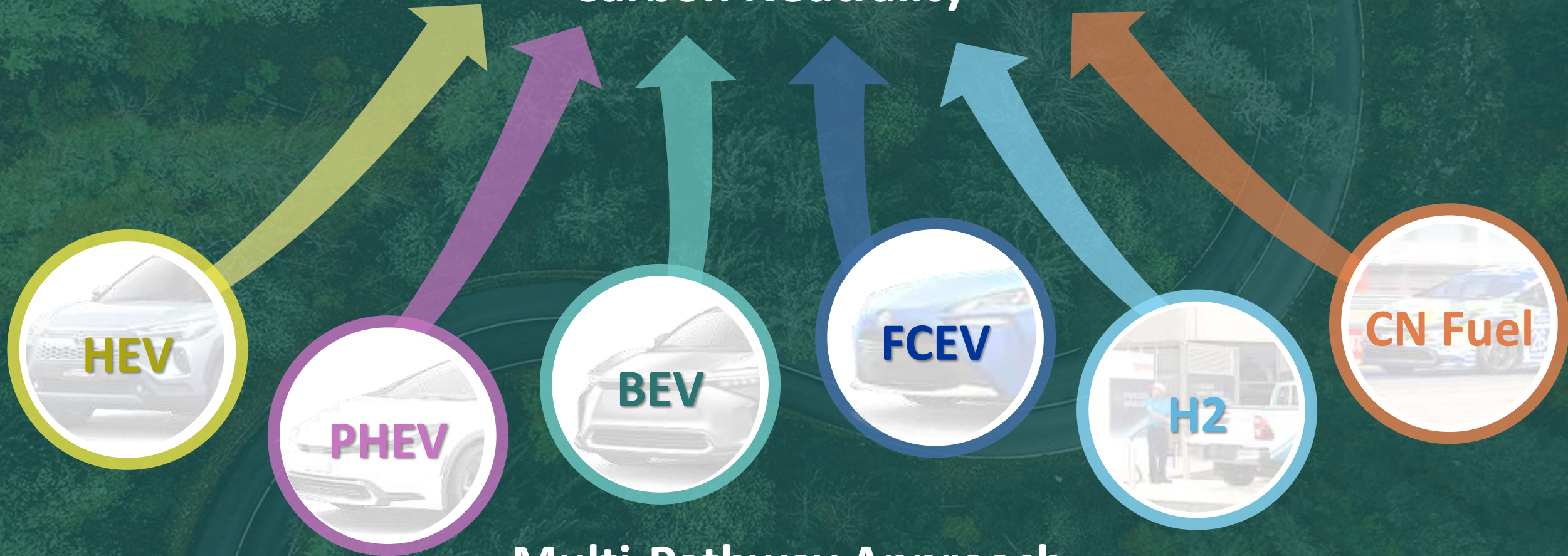


Expanding the value of mobility

Powertrain is not enemy



Carbon Neutrality



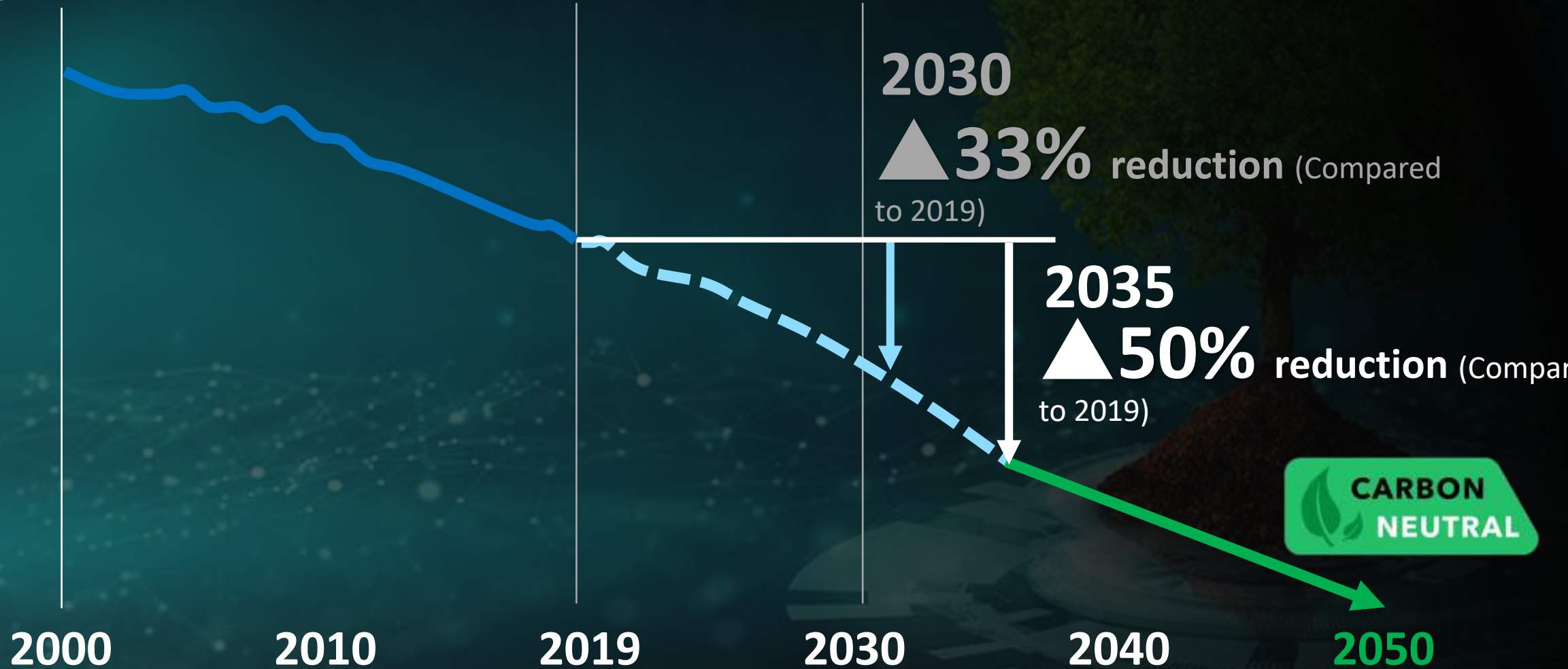
Multi-Pathway Approach

CO₂ Reduction Target (Well to Wheel)

Global (incl. emerging markets)



New vehicle CO₂/ unit



Introducing **CN Vehicles** practically to the market



10

Additional models
1.5M units/ year
by **2026**



New Specialized unit for next-generation BEVs



“Greater efficiency” “Set hearts racing”



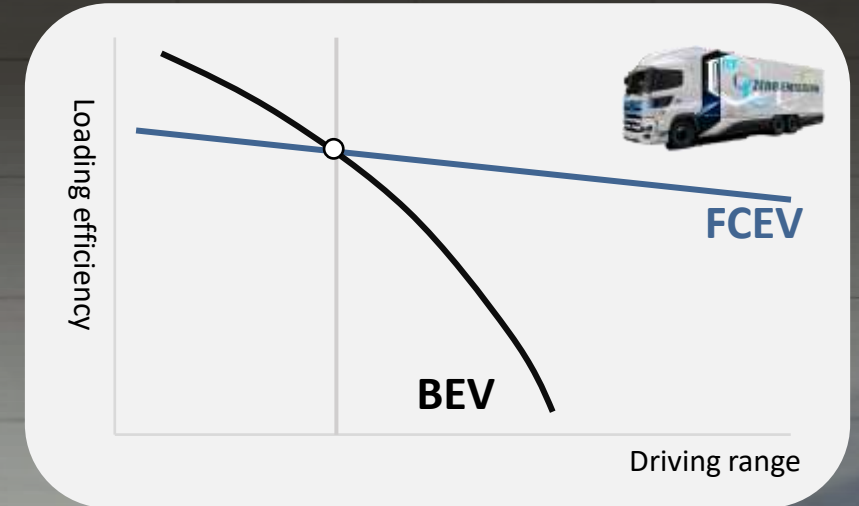
The Practical BEV

Increasing battery efficiency, to extend EV more driving range beyond 200 km



FCEV

Mass production centered on commercial vehicles



TOYOTA HYDROGEN
FUEL CELL

Space, Weight, Quick Charge

FCEV

Grand 1st opening H₂ station

at Bang lamung, Chonburi



5 Mins/
750-800



25K



Renewable Energy

Solar Power

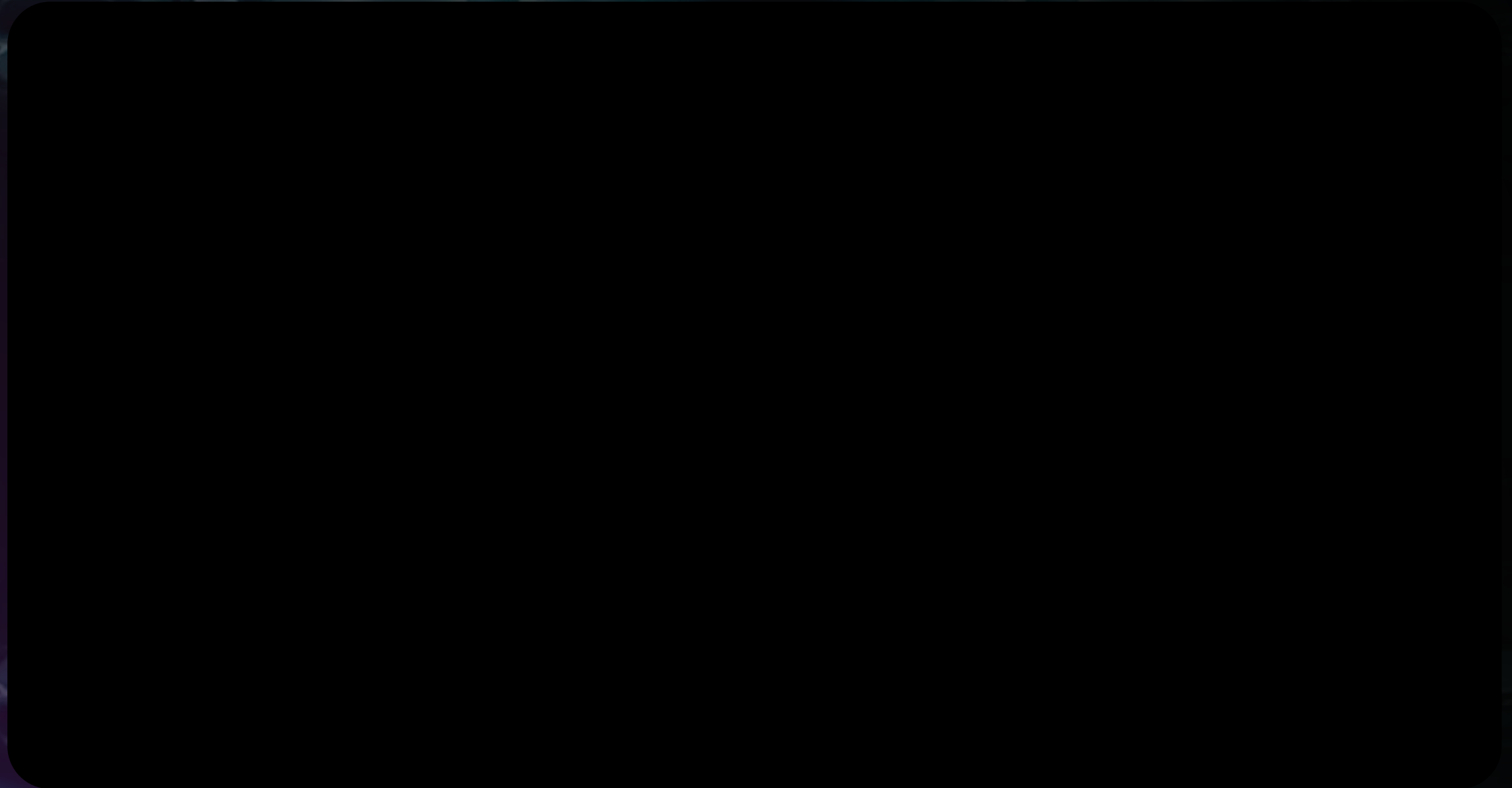


TOYOTA
Plant
Carbon Neutral
in 2035

Hydrogen



Toyota Production System: TPS



Toyota Mobility



Carbon Neutrality



Expanding the value of mobility

Move & Opportunity

Electrification



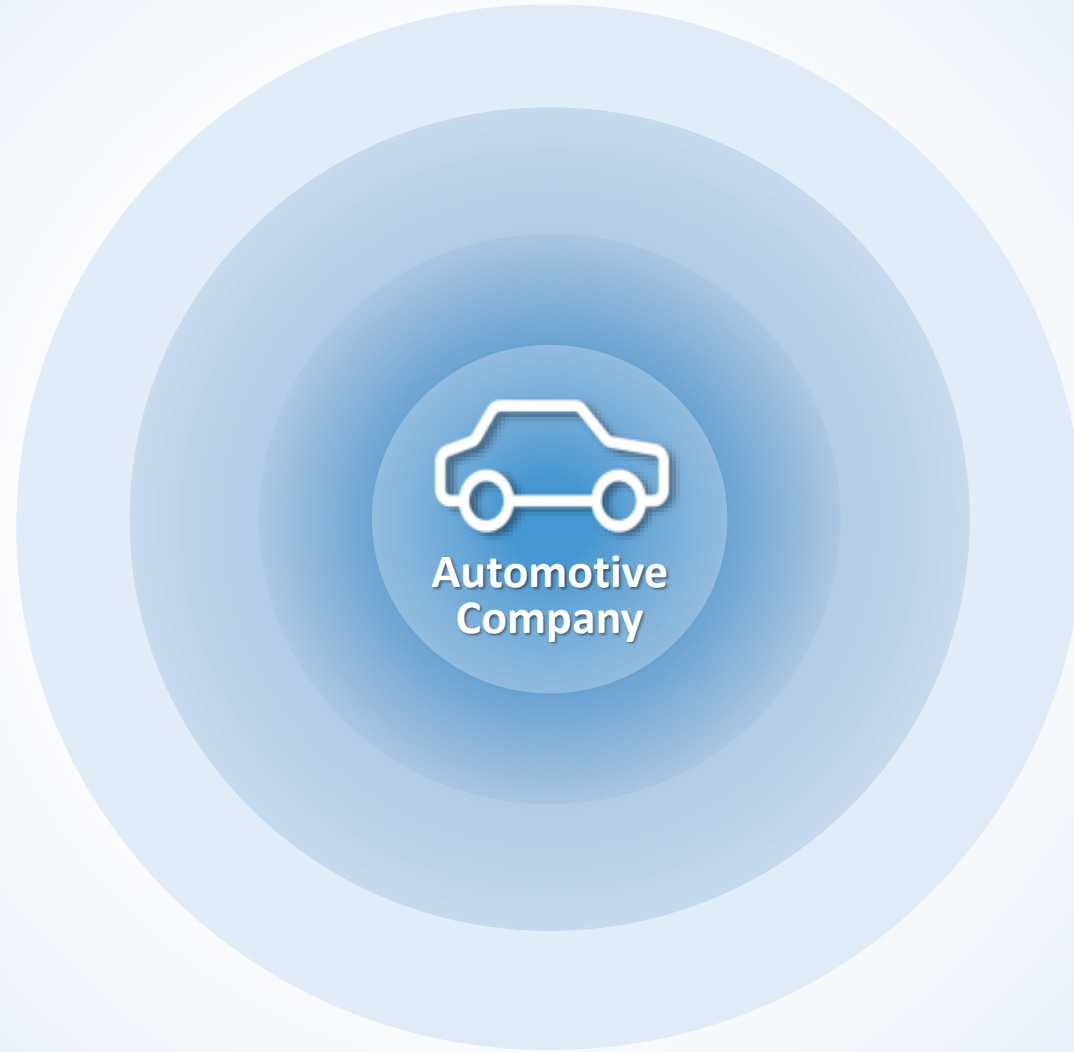
Intelligence



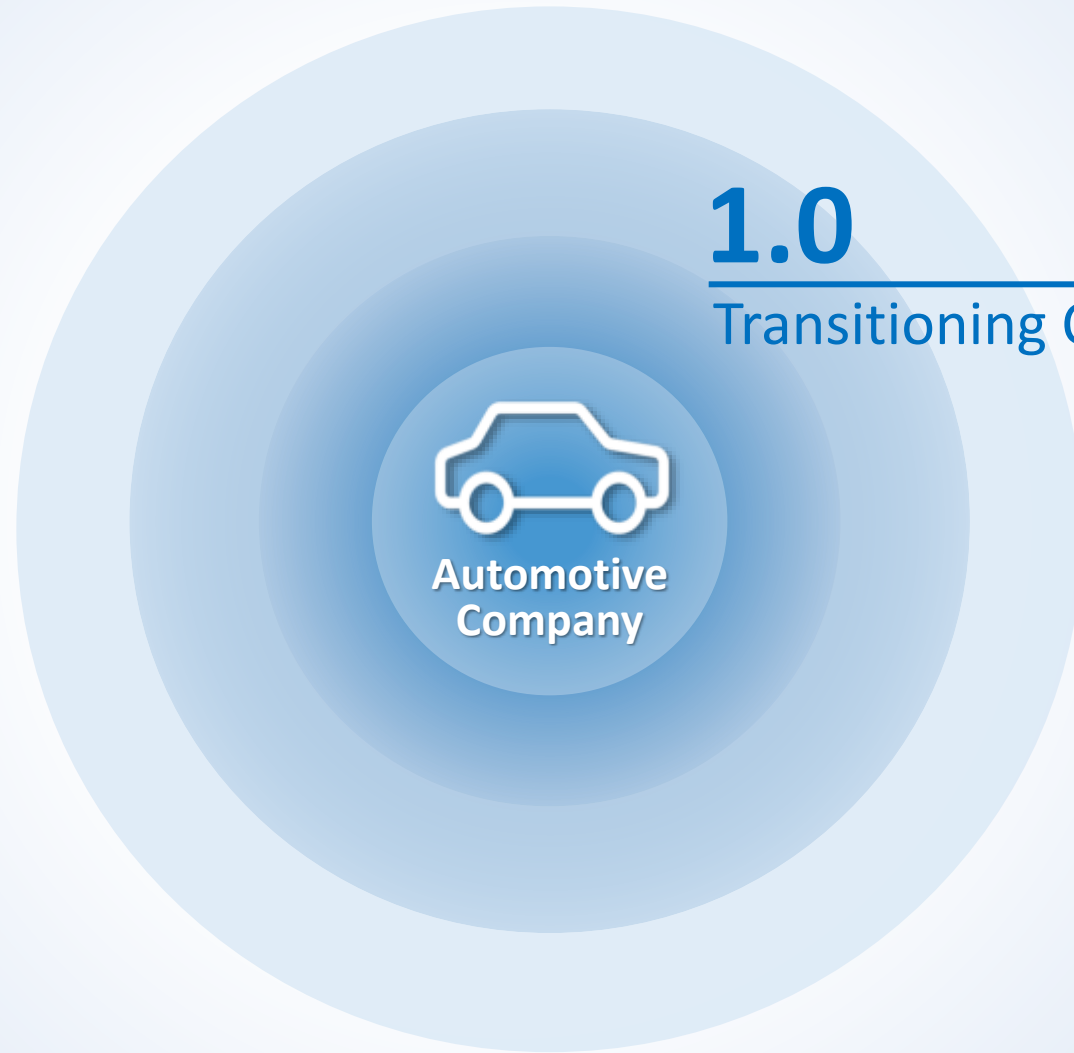
Diversification



Toyota Mobility Concept



Toyota Mobility Concept



1.0

Transitioning CARS to Mobility



Automotive
Company

Toyota Mobility Concept

Mobility that
transports electricity



Utilize info gathered from cars
and customers

1.0

Transitioning CARS to Mobility

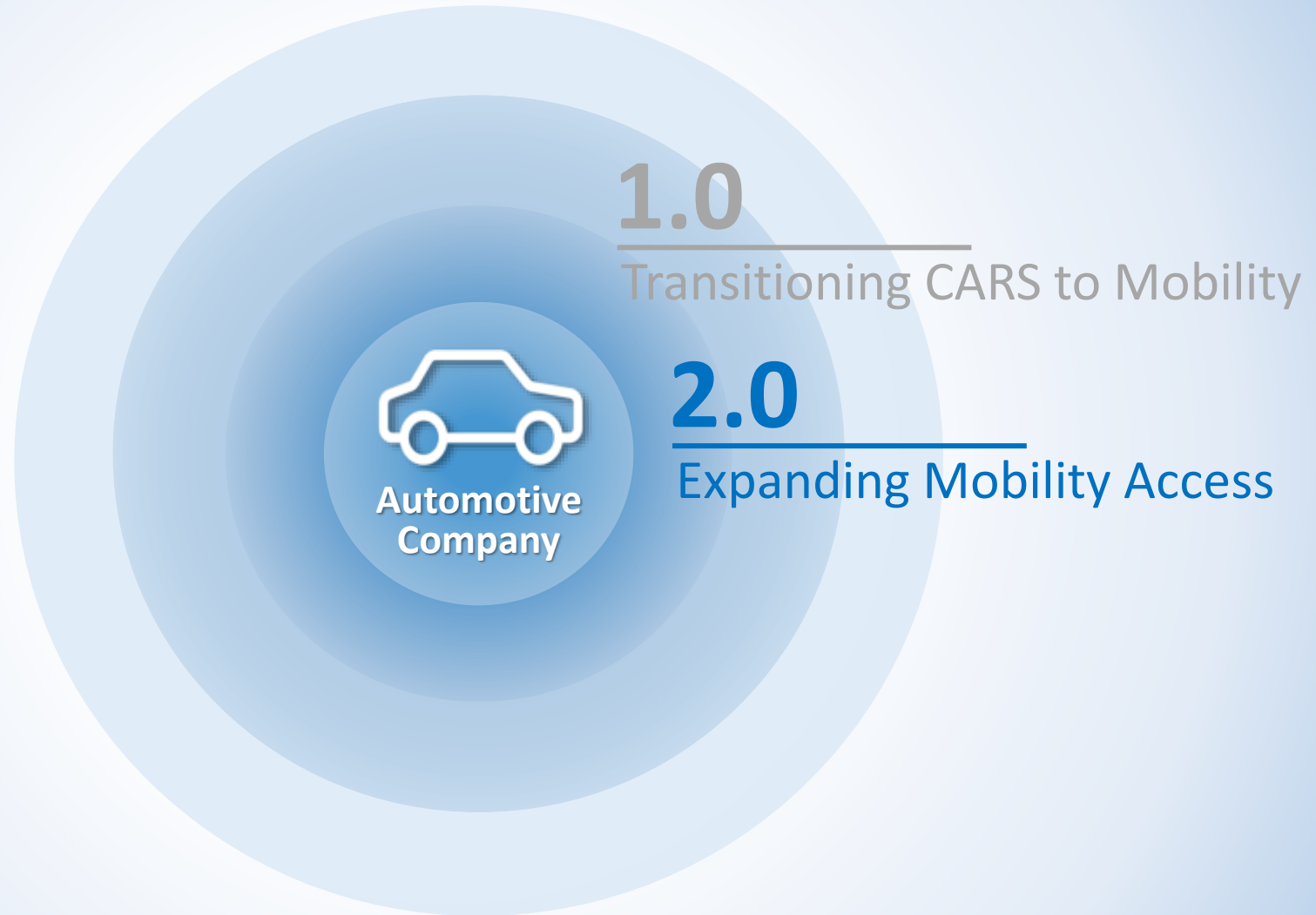


Automotive
Company

- ① Connected Car
- ② Power Grid



Toyota Mobility Concept



Toyota Mobility Concept

Full Vehicle Line up



Including new forms of mobility



Automotive
Company

1.0

Transitioning CARS to Mobility

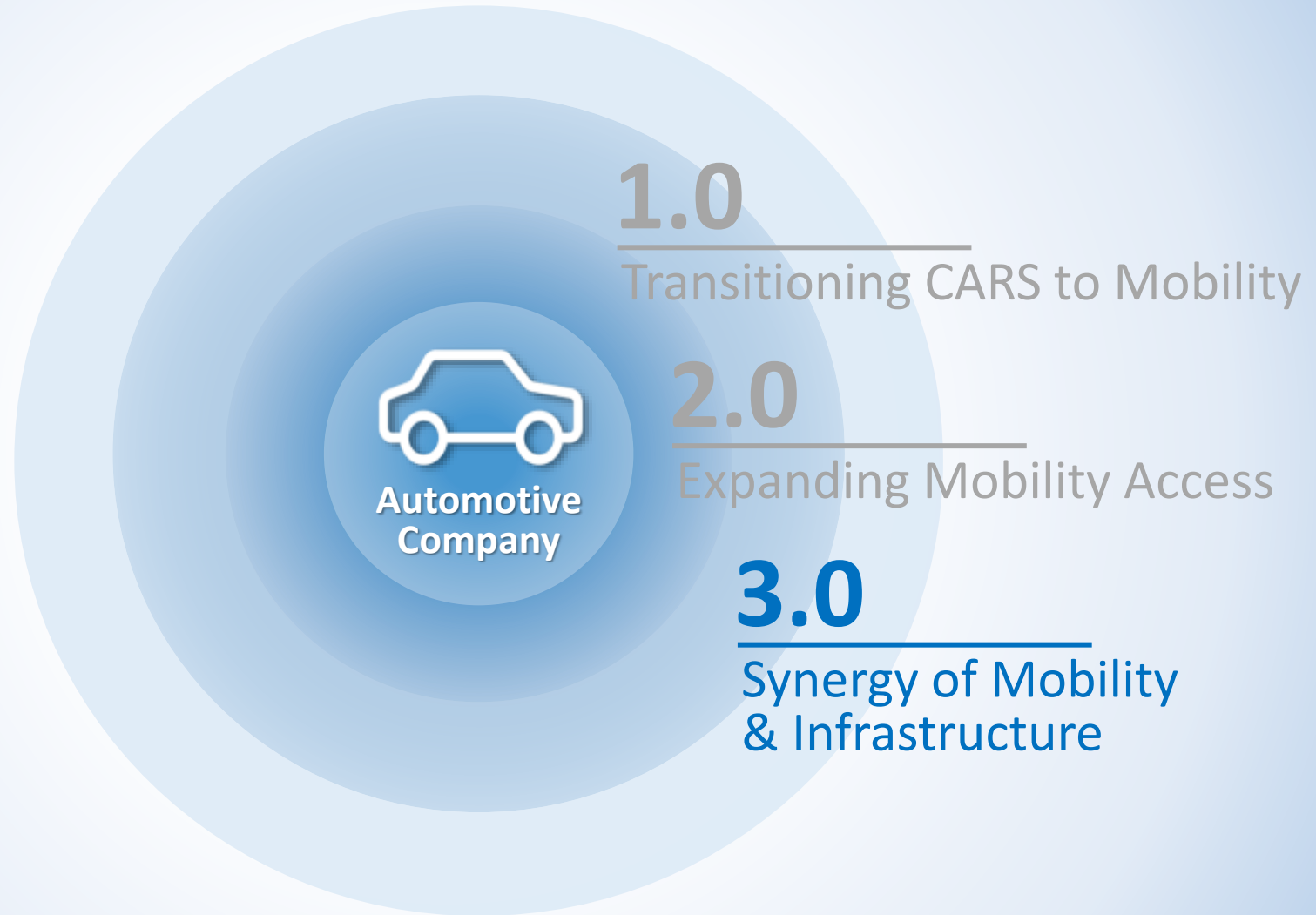
2.0

Expanding Mobility Access

- ① Road Condition
- ② Physical Condition
- ③ Diversify Condition
- ④ Place Condition



Toyota Mobility Concept



Toyota Mobility Concept

Mobility Ecosystem intergraded with city
& social



Automotive
Company

1.0

Transitioning CARS to Mobility

2.0

Expanding Mobility Access

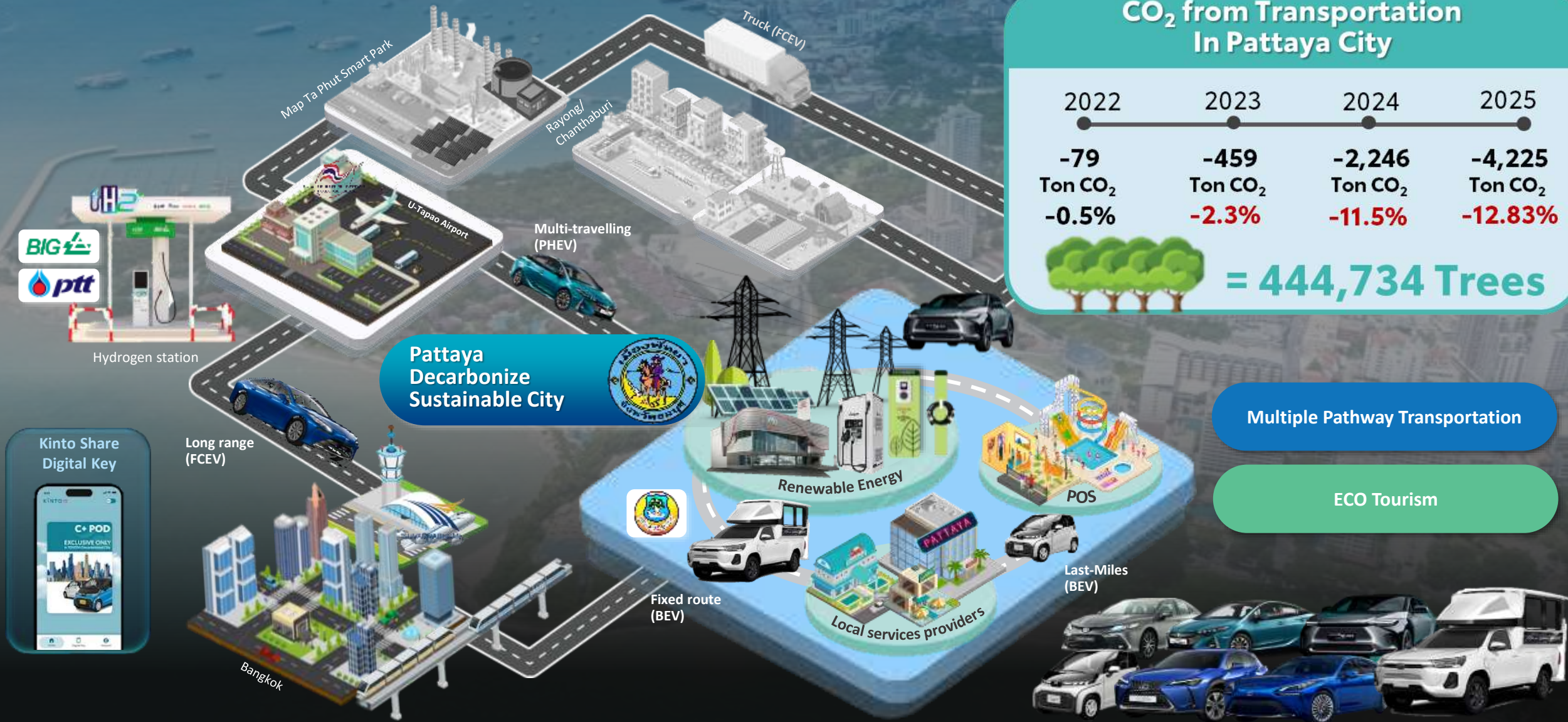
3.0

Synergy of Mobility
& Infrastructure

- New logistics system (Integrated autonomous)
- CO₂-free hydrogen supply chain & Expand potential of hydrogen use in daily live

Pattaya Decarbonized Sustainable City

MODERNIZE TRANSPORTATION TOWARD CARBON NEUTRALITY



Cross-Industry collaboration toward Carbon Neutrality



① Energy solution

- **Solar – Hydro power generation**
Electricity supply utilizing SCG Solar/ Hydro
- **H₂ production**
From Biogas of poultry farming
- **Energy management**

② Data solution

- **Logistic Efficiency Improvement and Genba-Kaizen**
Optimize delivery route with connected system (DCM Device)

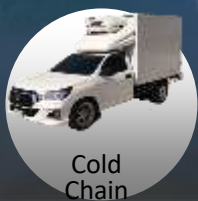
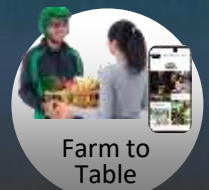
③ Mobility solution

- **Deploy CN vehicle for logistics and people transportation in AMATA**
 - ① Long haul : FC Truck
 - ② Mid Mile : FCEV small truck /BEV
 - ③ Last Mile : BEV/HEV/Kei Van
 - ④ Commutation : FC Bus/HEV

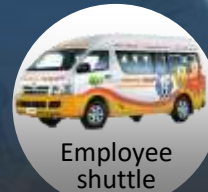
Explore New Business To Make Customer Smile

Commercialized

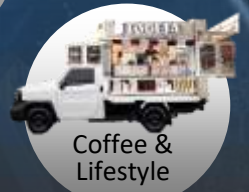
Logistics



Mobility



Efficiency & Lifestyles



Smart Scape Solution

zEV infrastructure



Energy solution

New Exploration



THANK YOU