

HMG

FCEV Development Status & Strategy

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HYUNDAI MOTOR GROUP

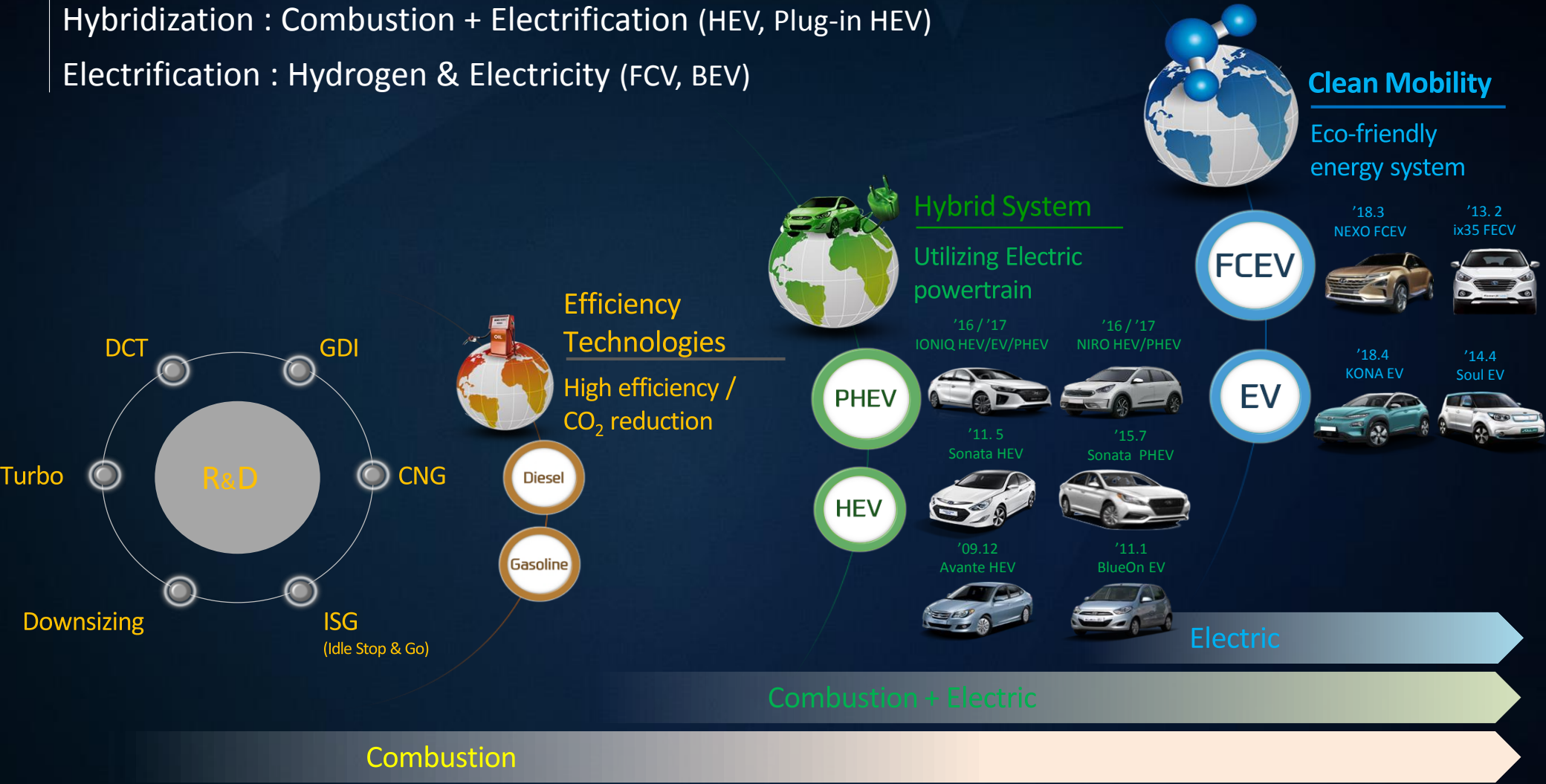
ECO-TECHNOLOGY VEHICLE STRATEGY

2025 : 38 Eco-friendly Vehicles

Fuel economy improvement (New engine & T/M technologies, Weight reduction)

Hybridization : Combustion + Electrification (HEV, Plug-in HEV)

Electrification : Hydrogen & Electricity (FCV, BEV)



Hyundai Green Cars Development Status – FCEV Strategies

As a responsible corporate citizen,

FCEVs are our commitment to future generations

1998

2013

2018

20XX

World's first FCEV production

- ✓ Available in 18 countries including North America and Europe
- ✓ Expansion to local and global taxi, car sharing services
- ✓ Ward's 10 Best Engines Winner (2015)



Next Generation FCEV, NEXO

- ✓ Eco-friendly, autonomous driving technology, cutting-edge design
- ✓ Fine-dust purification up to 99.9%



Leading to the Future Hydrogen Society

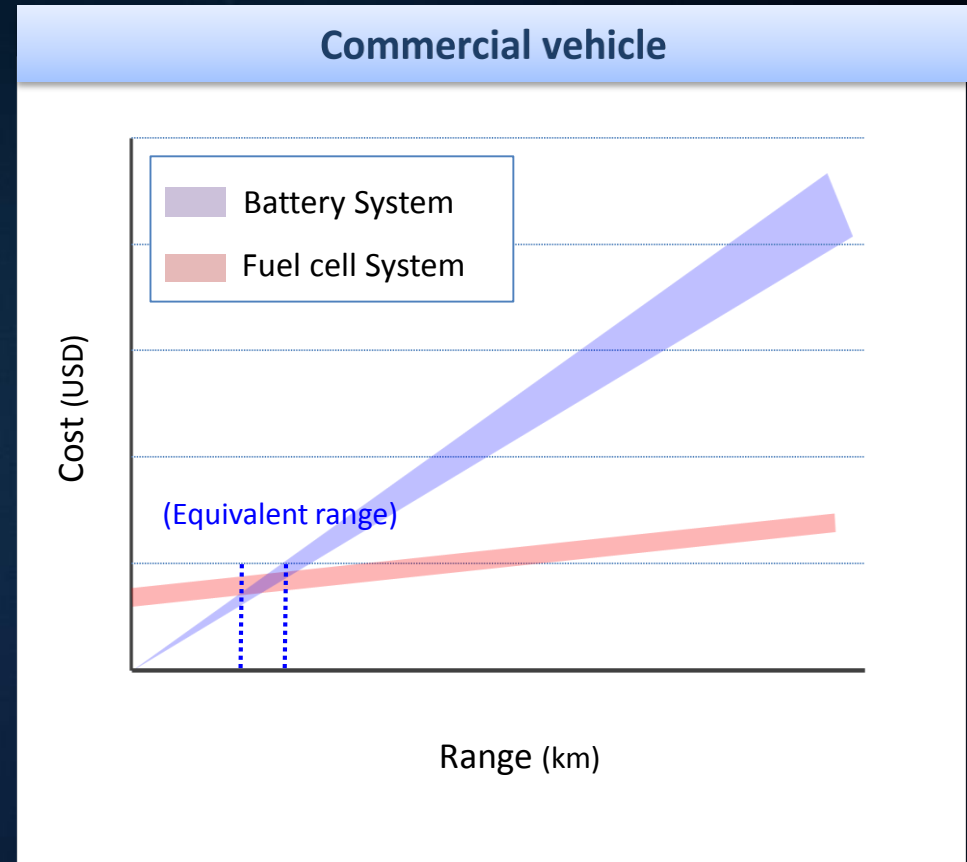
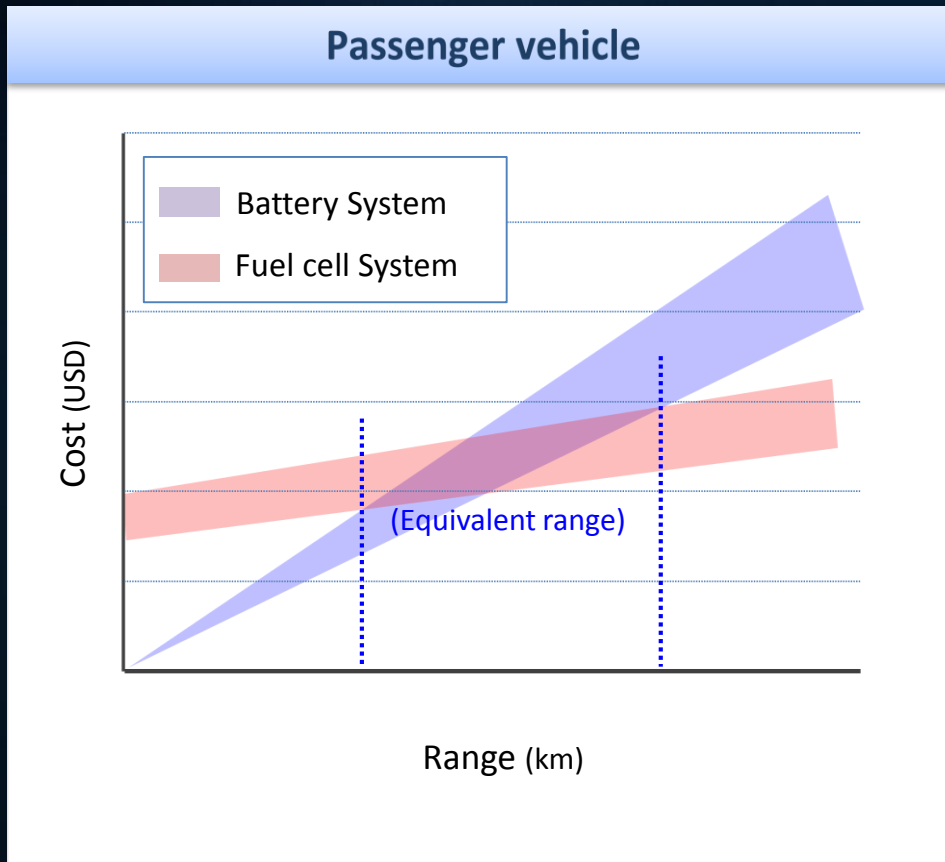
- ✓ Size, weight, and price reduction
- ✓ Model expansion
 - Sedan and Commercial Vehicles (Truck, Bus, etc.)



Cost Parity – FCEV & EV

Competitive advantage in long range (commercial vehicles)

Short charging time (Passenger vehicle: 5min, Commercial vehicle: 20min)



※ Price of Fuel cell: Fuel cell system + High-Voltage Battery + Hydrogen storage system
Price of Battery system : Electric battery system

Challenges for Large Scale Market



**Road to Mass
Market
of FC Technology**

Infrastructure

Balance between
infrastructure and application

Regulation

Worldwide harmonized
regulation

Investment

Set up the multilateral
funding mechanism

Cost Reduction

Cost reduction and
durability enhancement
through technology development

“ Lifetime partner in
automobiles and beyond ”

HYUNDAI
MOTOR GROUP

NEW THINKING.
NEW POSSIBILITIES.