



International Partnership  
for Hydrogen and Fuel Cells  
in the Economy

# Republic of Korea Update

45<sup>th</sup> IPHE Steering Committee Meeting  
13 – 14 May 2026  
Berlin, Germany

# Announcements / New Initiatives *Korea*

## • Investments/Funding/Policies/Initiatives

### 1. Energy Transition Promotion Plan (Apr. 2026)

- Report to the cabinet by Minister of Climate, Energy and Environment outlining policy direction of the current administrations
- Hydrogen was included in “Green Manufacturing” part with goals and milestones
  - 300 thousand ton DRI demonstration by 2028, commercialization by 2037
  - Renewable and nuclear hydrogen and CCUS in the hard-to-abate sectors
  - 40% of newly purchased cars in 2030 will be EVs or FCEVs

### 2. Green Hydrogen in Ultra Innovative Economy Flagship Projects (Nov. 2025)

- 15 projects were announced in August as part of economic growth strategy of the new administration
  - More details of climate-energy-future challenges projects revealed in November
- Green hydrogen: large-scale electrolysis system development and large-scale production demonstration (max. 100MW by 2033)
  - 5MW PEM electrolysis system (10 billion KRW), hydrogen microgrid management (7.5 billion KRW), etc. in 2026 R&D budget

# Announcements / New Initiatives *Korea*

- **New Research & Development, Demonstration and/or Deployment Activities**

1. **Completion of Samsung C&T Gimcheon Green Hydrogen Production Plant (Mar. 2026)**

- Largest electrolysis facility so far with the capacity of 10 MW fed by 8.3 MW solar PV
- Annually 230 tons of hydrogen to be produced for industry and FC buses in the city of Gimcheon

# Korea – Profile June 2026



## Status of Deployments (Dec. 2025)

- ✓ Stationary FC: **1,187 MW**
- ✓ FCEV: **44,655**
- ✓ FC Bus: **2,871**
- ✓ HRS: **477**

## Leading Government Initiatives

### Triple-Up\* policy package

\* Scale-up, Build-up, Level-up

based on

Hydrogen Economy Promotion and Hydrogen  
Safety Management Law (Feb. '20)

## Goals or Focus Areas

- Demand creation
- Green hydrogen production
- Decarbonization of **hard-to-abate sectors**

## Deployment Goals

- ✓ 300 thousand ton DRI demonstration by 2028, commercialization by 2037
- ✓ 40% of newly purchased cars in 2030 will be EVs or FCEVs

## Funding

- **Mobility subsidy** budget: 572.6B KRW (389M USD)
- **Hydrogen R&D** project budget (MSIT only): 38.5B KRW (26.1M USD)

# Thank you



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