

Dynamic Korea

Seoul, a city with hope
and vision

- Fuel Cell Program -



Development Background



60 years ago (1950)

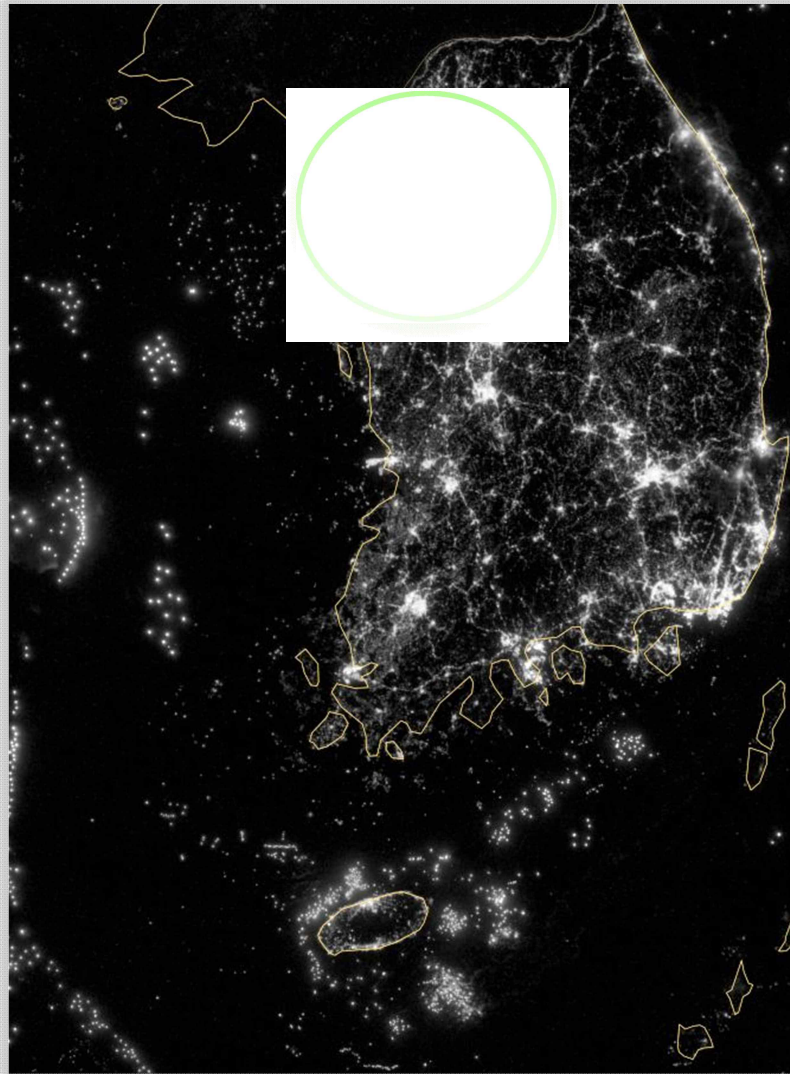


Now (2013)

Development Background ; View of Seoul



Development Background ; Production & Consumption



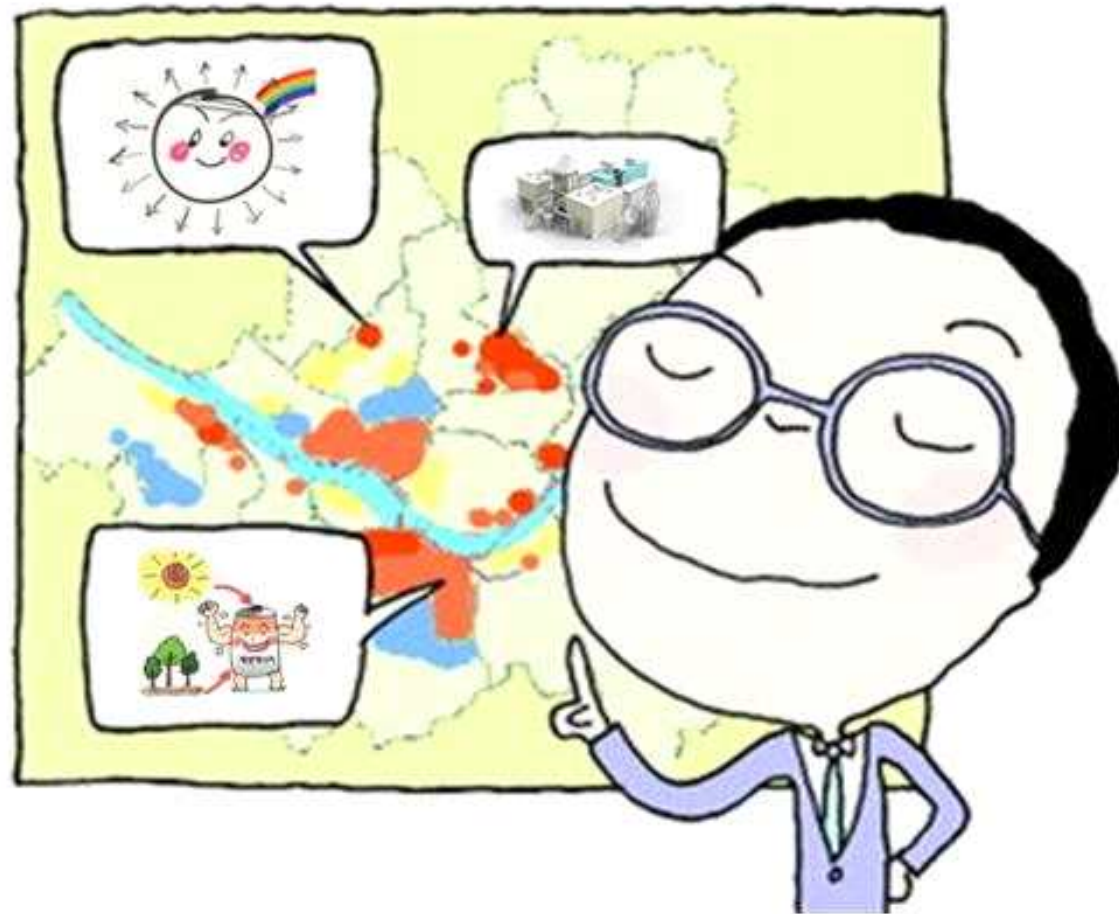
Development Background ; An Inconvenient Truth



Development Background ; Conflicts of interest



Development Background ; New Vision



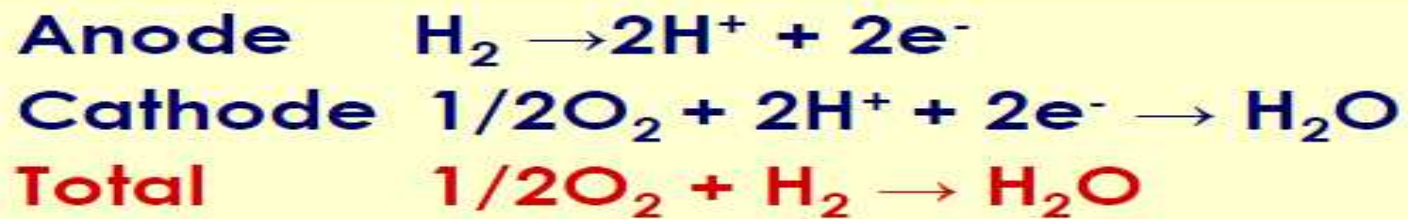
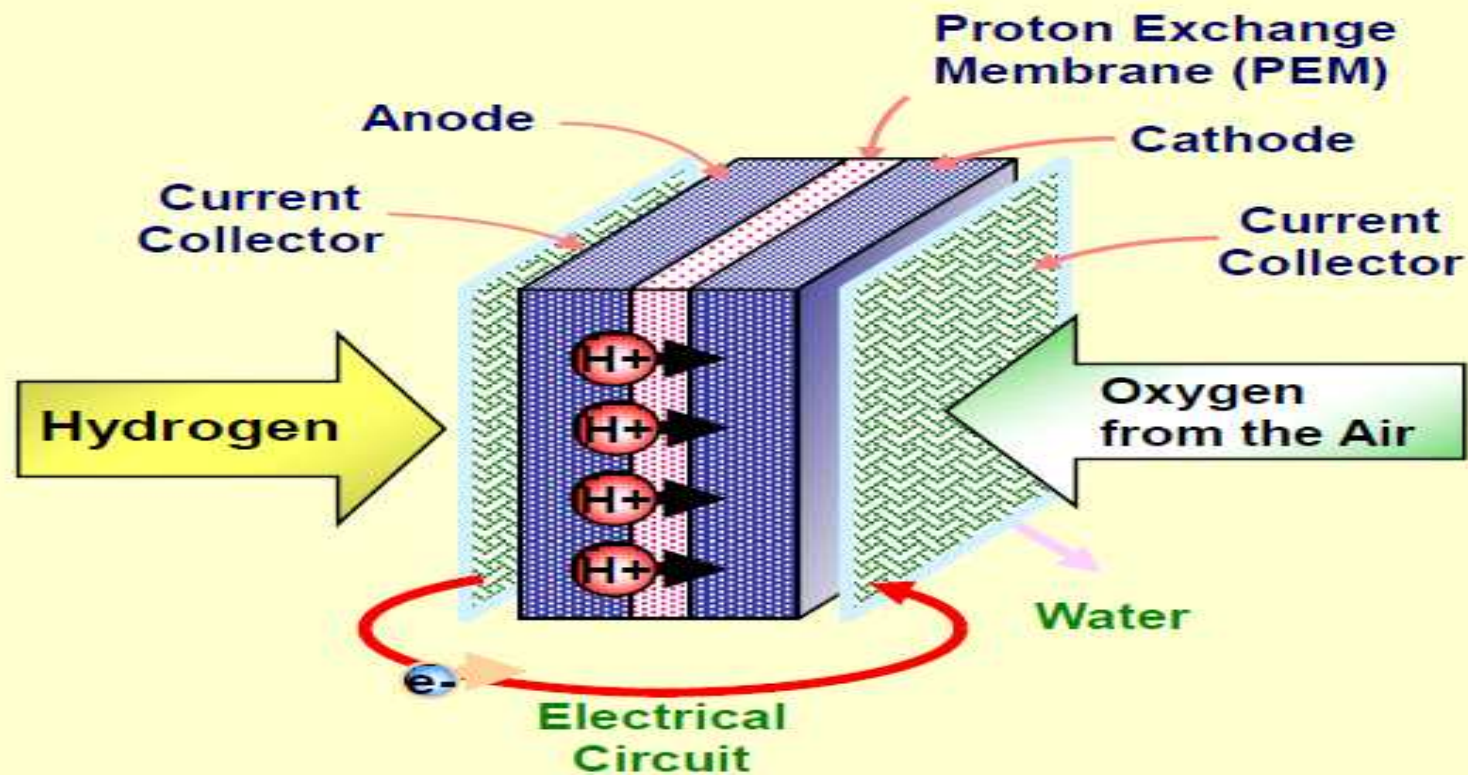
Action & Challenges ; 10 kinds execution plan



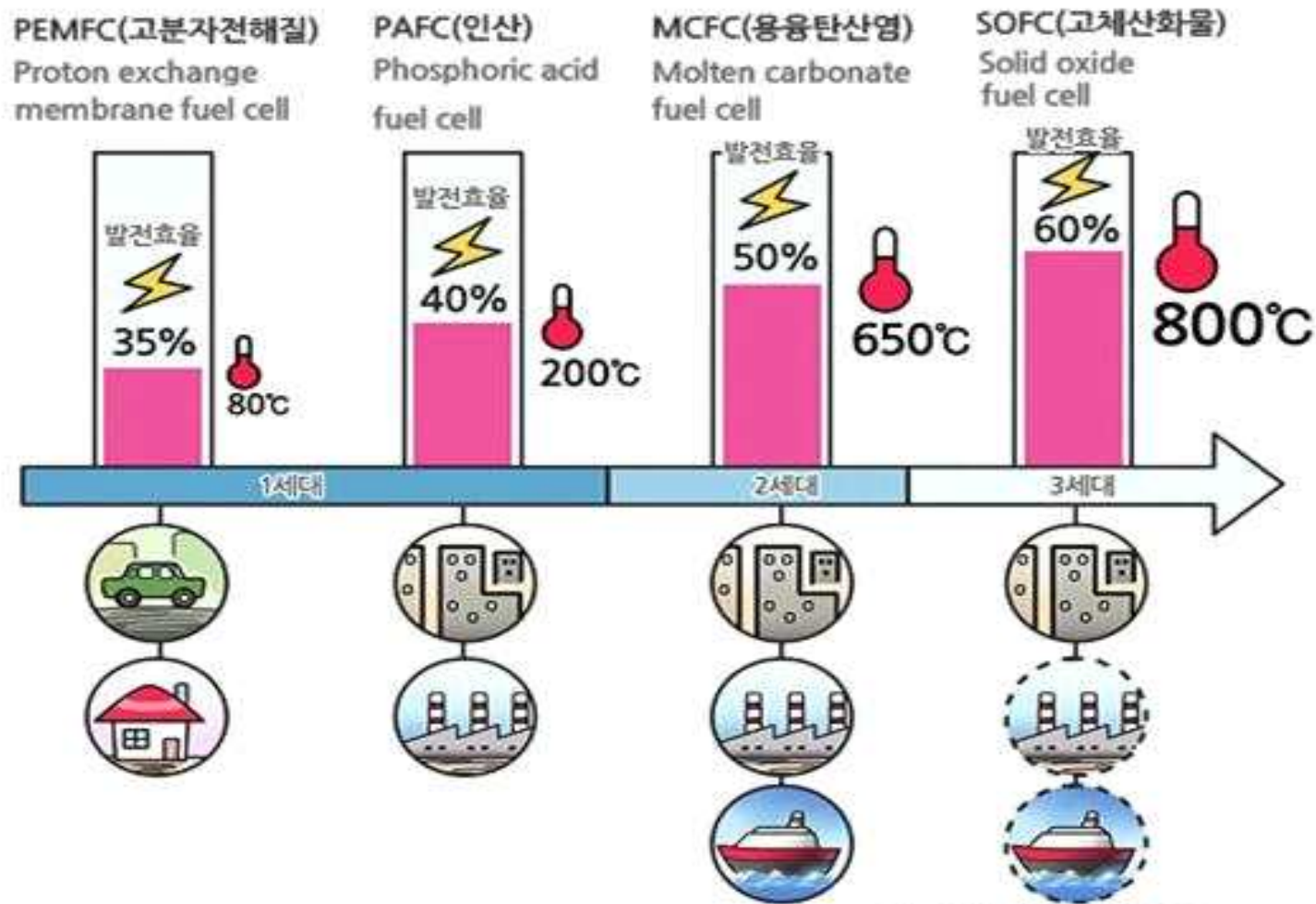
Action & Challenges ; Solar Energy



Action & Challenges ; Fuel Cells System

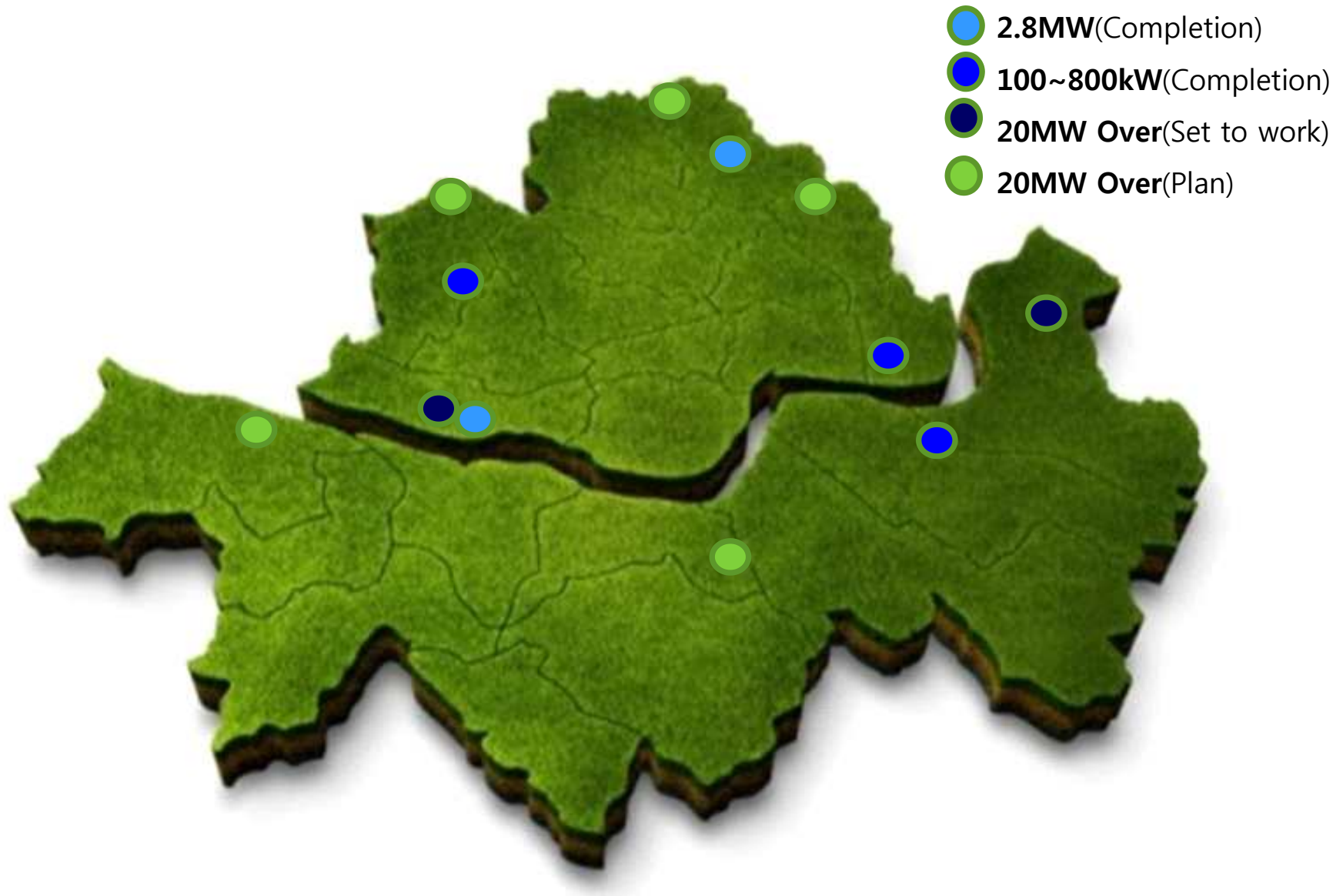


Action & Challenges ; Multipurpose Fuel Cells



※ 출처 : 미국 에너지성(DOE)

Action & Challenges ; Supply Base



Action & Challenges ; Construction of FC (2008~2009)



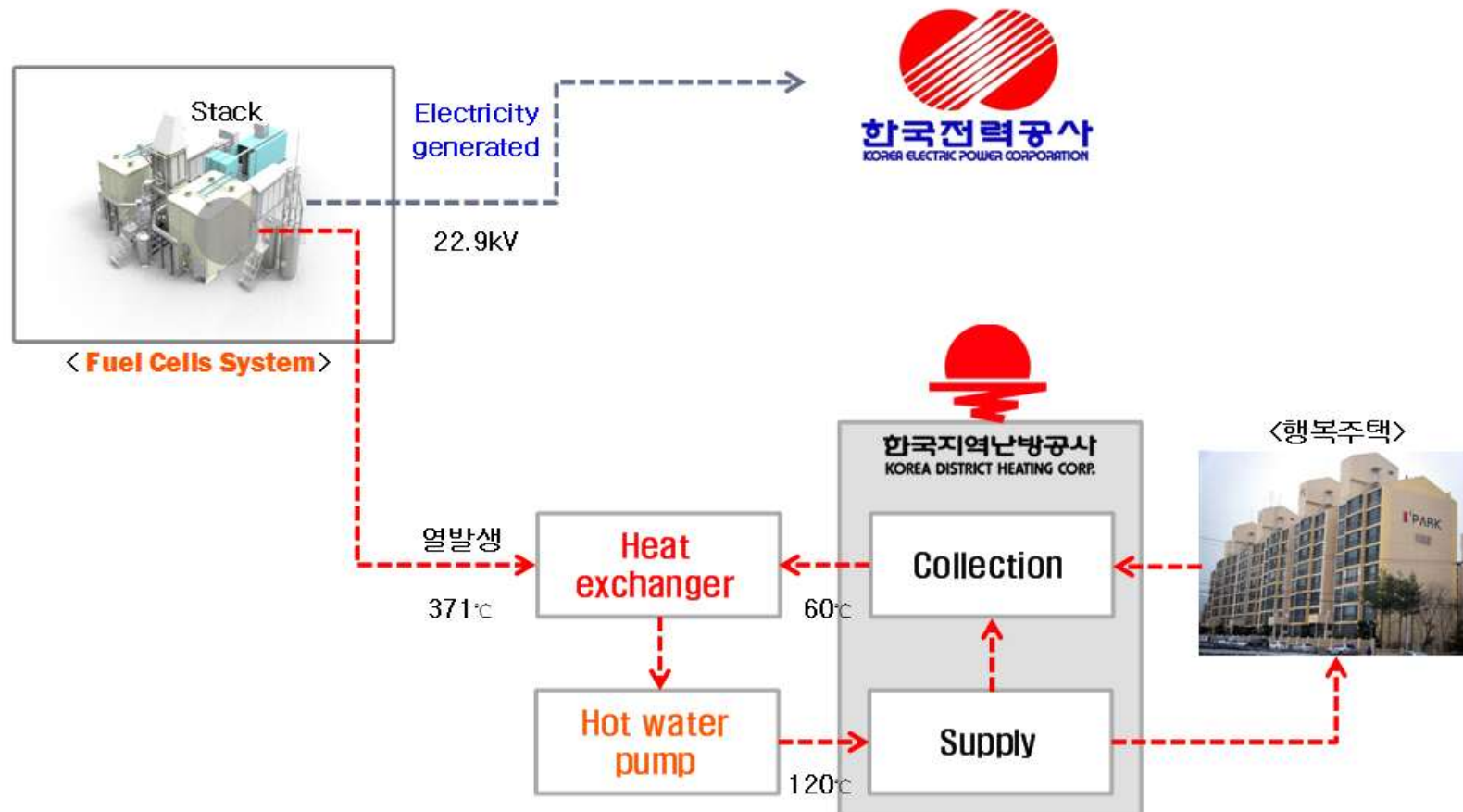
Action & Challenges ; Building type distribution



Action & Challenges ; Construction of a FC (2012~2014)



Outcomes



Outcomes

Green Energy

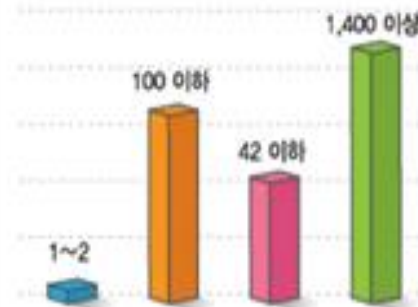
No emissions of air pollutants

CO₂ 40% reduction

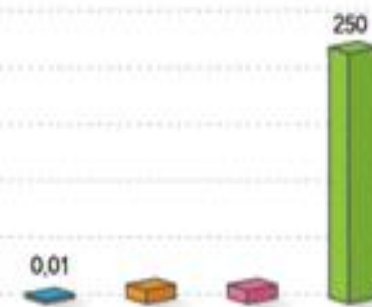
- Fuel cell
- Gas Engine
- Gas turbine
- Diesel
- Average thermal power

No emissions of air pollutants

▶ NO_x
(ppm)



▶ SO_x
(ppm)



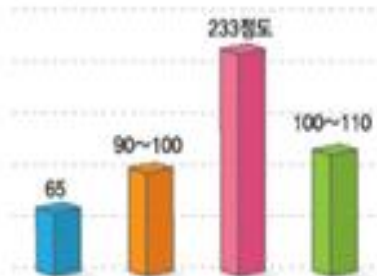
CO₂ 40% reduction

▶ CO₂
(g-c/kWh)



Low noise

▶ 소음
(dB(A))



Outcomes ; Gyeonggi Green Energy (2013)





**“A beautiful investment
for the future generation”**

