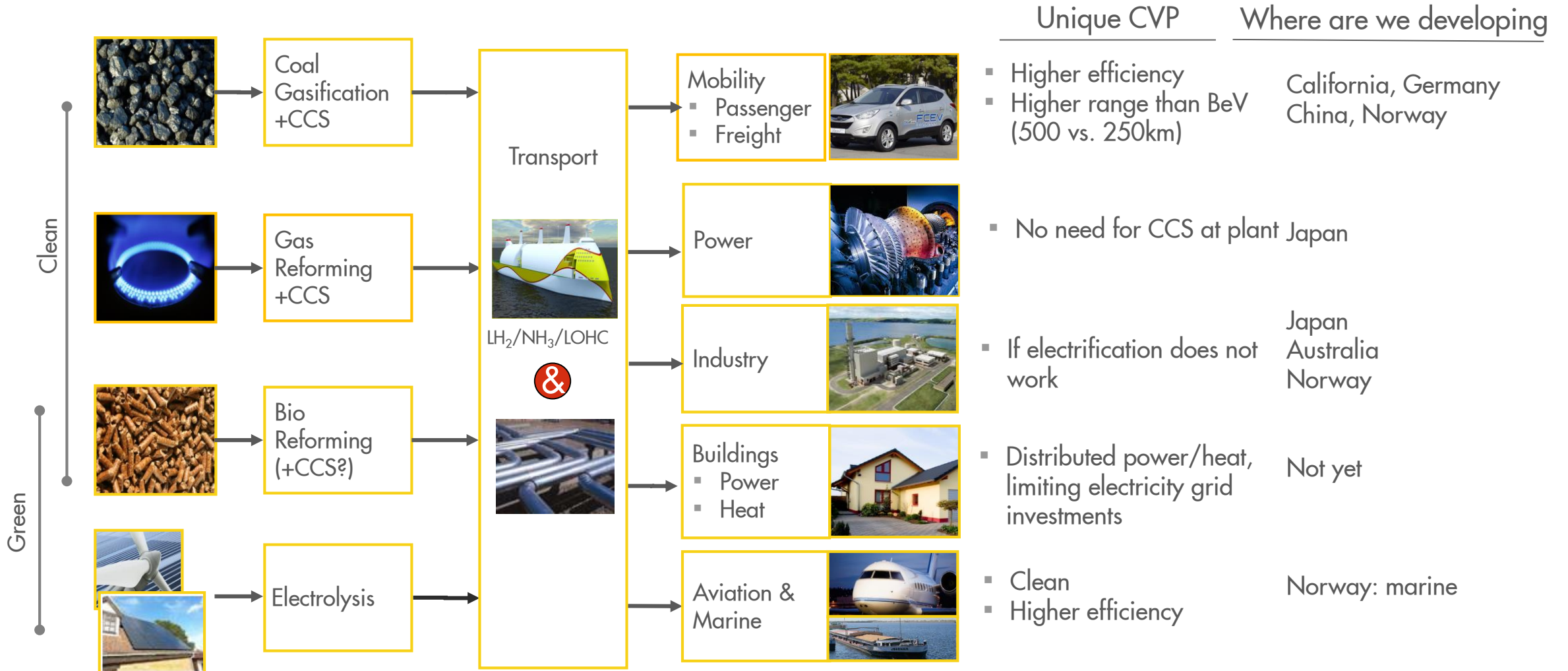


# Shell Hydrogen activities

# New Energies : Shell Energy Transition Activities

- ❑ Electrify
    - ❑ Wind/Solar
    - ❑ Power trading
    - ❑ Connected energy
  - ❑ Fuels
    - ❑ Biogas/BioFuel
    - ❑ Hydrogen
  - ❑ Nature based solutions
  - ❑ Digital ventures
- ❑ Ambition to invest \$1 – 2 bln/yr

# Hydrogen supply chains and markets



## Unique CVP

## Where are we developing

- Higher efficiency
  - Higher range than BeV (500 vs. 250km)
  - No need for CCS at plant Japan
  - If electrification does not work
  - Distributed power/heat, limiting electricity grid investments
  - Clean
  - Higher efficiency
- California, Germany  
China, Norway
- Japan  
Australia  
Norway
- Not yet
- Norway: marine



# Toyota & Kenworth Truck & HRS



# Liquid hydrogen Vessel and terminal

