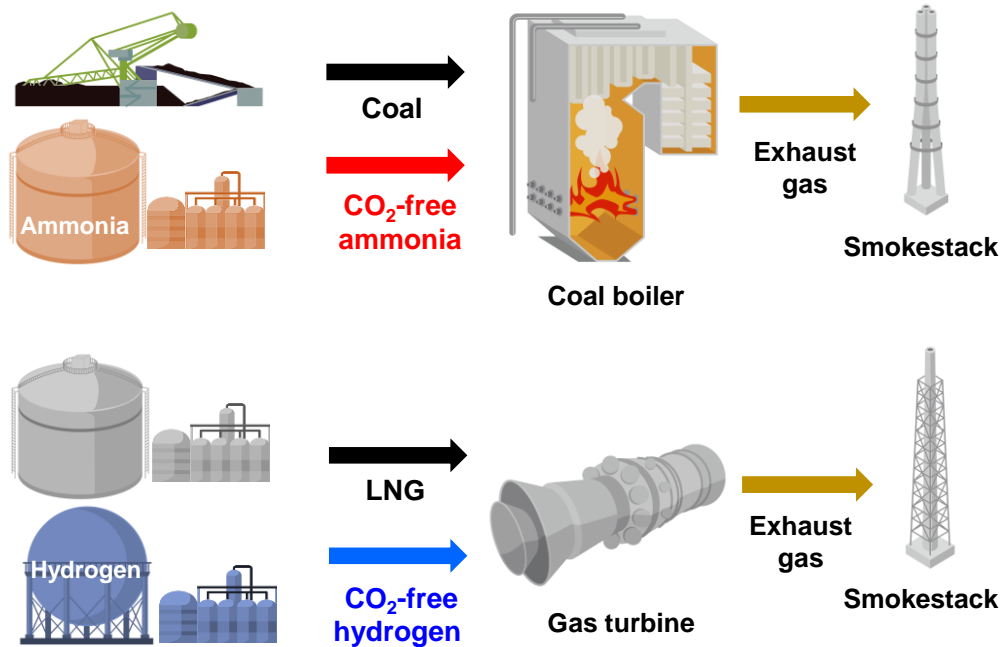


Net Zero CO₂ Emissions from Thermal Power

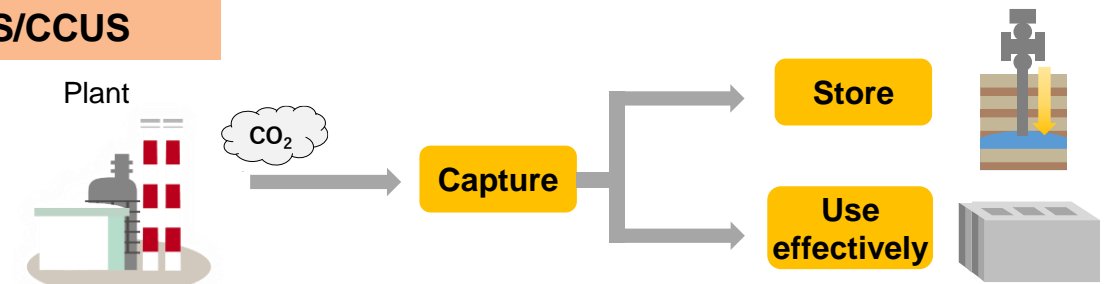
Thermal power
+ new
technologies

- Thermal power remains crucial for balancing the expansion of renewable energy and ensuring stable supply by adjusting for fluctuations in renewable energy output.
- We will continue working toward even higher efficiency as well as on hydrogen and ammonia co-firing and eventually dedicated firing, as these fuels produce no CO₂ during combustion.
- We will also strive toward the practical application of CCS/CCUS for CO₂ capture and storage, explore manufacturing CO₂-free hydrogen and ammonia using surplus renewable energy, and build supply chains.
- We will aim to phase out inefficient coal power plants by 2030, taking into account supply capacity, energy supply costs, and local circumstances.

Hydrogen and ammonia co-firing



CCS/CCUS



Hydrogen and ammonia supply chain

