

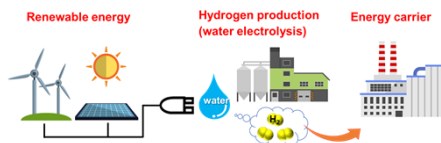
Hydrogen Production and Storage Team

Mission: Technology development of hydrogen production, storage and use for significant reduction of CO₂ emission

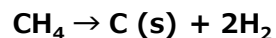
Research development related to catalyst, materials, and evaluation technologies for establishing innovative hydrogen production technology, highly efficient hydrogen storage, supply systems and utilization technology that can contribute to realize a hydrogen society



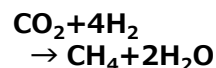
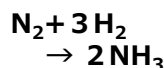
Water electrolysis
(Anion-exchange membrane)



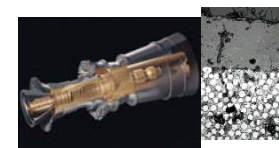
Hydrogen production by direct decomposition of methane



High efficiency production of energy carriers, e.g. ammonium, methane



Heat-resistant materials for hydrogen generation



Hydrogen storage using hydrogen storage alloys

High-pressure hydrogen gas / Liquid hydrogen usage technology

