



Research Areas for possible
Master Student Projects at UiO ITS

Kjeller, 2 November 2023

Department for Hydrogen Technology

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Department for Hydrogen Technology

Production

Water electrolysis laboratory

- Testing of PEM electrolyzers
- Degradation & Durability
- Control system development



Storage

Liquid Hydrogen

- Hydrogen liquefaction by magnetocaloric cooling
- Materials development



Solid state storage

- Metal hydrides
- 70 year long experience
- Materials development



End use

Fuel cell system laboratory

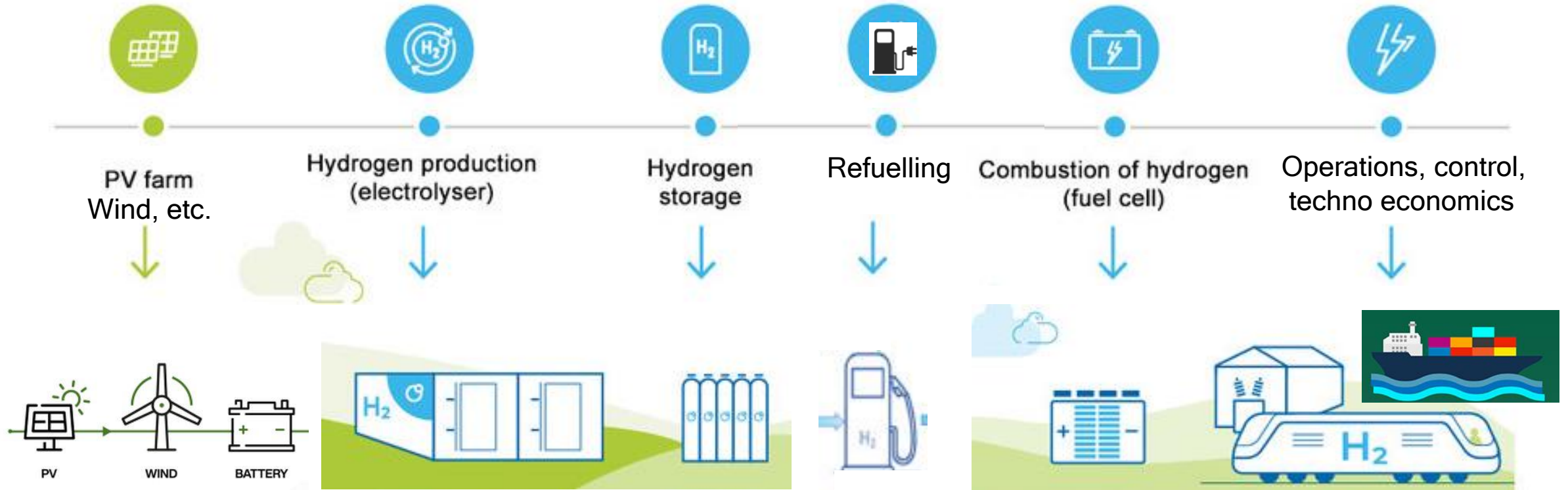
- Testing of PEM fuel cell stacks
- Degradation
- Control system development



Modelling

- Modelling of key technologies, bunkering and systems

Modeling of Green Hydrogen Energy Systems



The aim of the modelling activities at the HYDROGEN department is solving specific problems within the Green Hydrogen energy system value chain.