

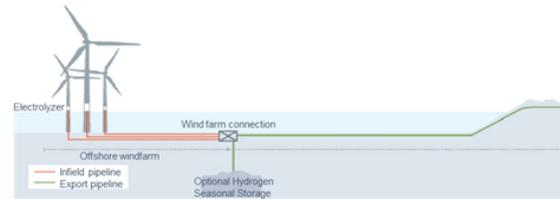
# TEA H<sub>2</sub> production from Offshore Wind

## Investigated H<sub>2</sub> production scenarios

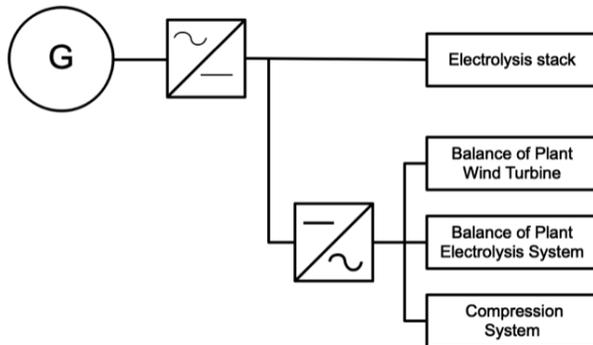
### Centralized onshore H<sub>2</sub> production



### H<sub>2</sub> Windfarm

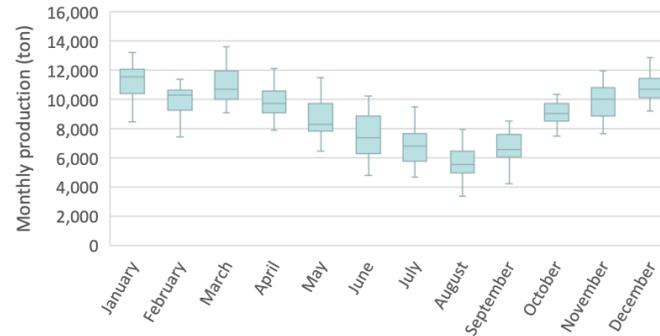


### Electrical architecture integrated solution



### Seasonal effect hydrogen production

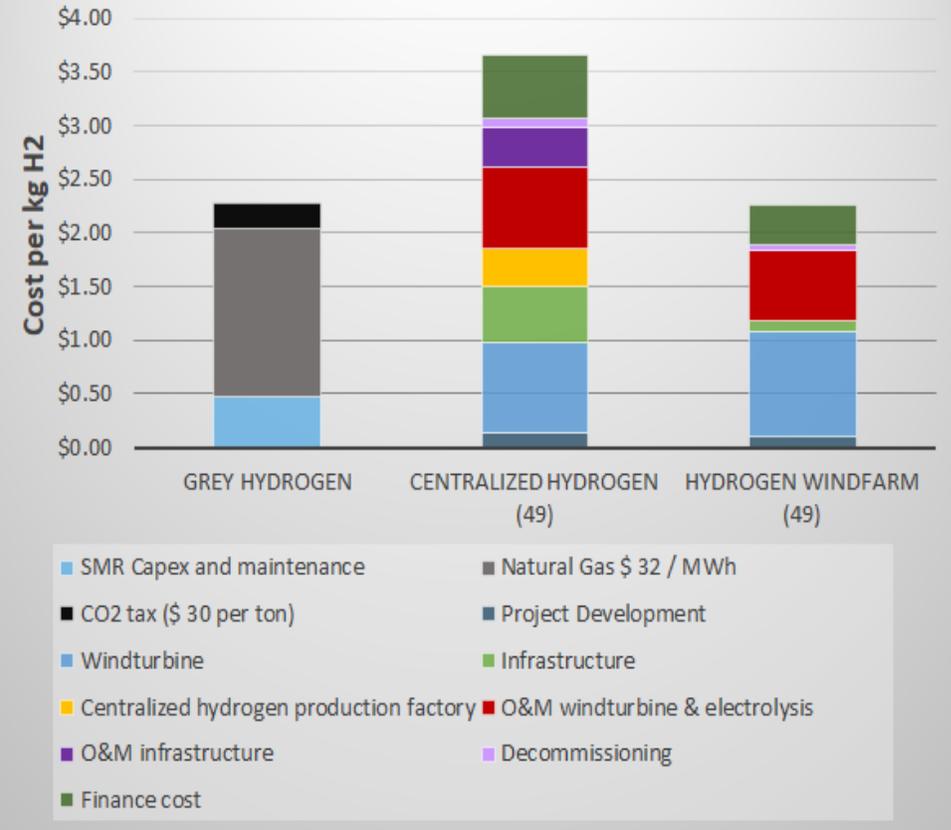
1.5 GW Offshore windpark, location 41.694 N, 68.50 W



### Future work

- Supply and demand match
- Control and dynamic behaviour
- Mechanical integration

## Hydrogen production cost per kg



**Project supported by: DOE SBIR**

Project Consortium: Giner Labs, Nrel, GE research, Plug and HYGRO