#### US – Norway Collaboration

Thomas Reinertsen

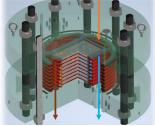




### Technology - In brief

- Separation technology using very thin palladium silver membranes (3 microns)
- Palladium is 100% hydrogen selective, and only hydrogen passes thru the membrane







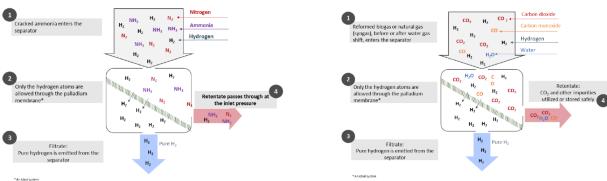


## Technology - In brief

- Can run on natural and biogas
- Will be testing on ammonia Autumn 2022
- Typical use cases any case separating hydrogen out of your gas stream
- Small, light, high capacity, no moving parts, easy to scale

Cracked Ammonia

Syngas



# In brief

- Substantial amount of testing
- Signed our first two sales
- US market of strong interest
- Ready for further growth with new owners: Shell, Yara, Saudi Aramco, AP Ventures and Sintef

#### Validated technology



**Commercial contracts delivered** 

**Bio-Hydrogen** 





Commercial contracts in delivery

On-vessel H<sub>2</sub> fuel cell for Odfjell





CMC Prototech