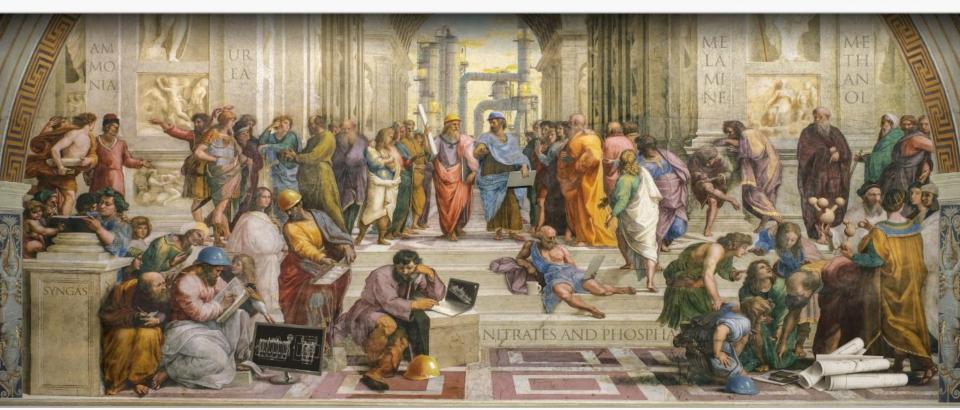
THE CULTURE OF INNOVATION





A FULL RANGE OF TECHNOLOGIES AND SERVICES

Ammonia Energy Association Conference

Session 5 – Moving from Brown to

Green Ammonia

R. Stockwell

01 Nov 2018, Pittsburgh, PA

CASALE TODAY

"In-situ" Ax-Radial 3-bed A3000 retrofit beds converter Pseudo-Super isothermal A6000 A600 Revamp converter **AWU** A60 A2000



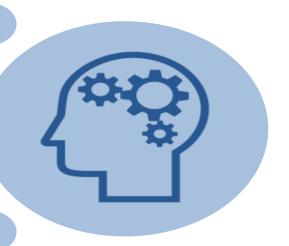
AMMONIA PROCESS A60

KNOWLEDGE CONDENSED IN A SMALL PLANT

Minimum energy

Economy of scale

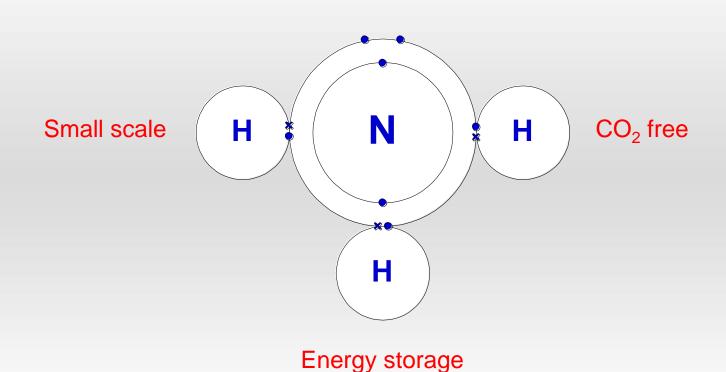
Small scale, distributed?



A60, RE-FOCUS DESIGN

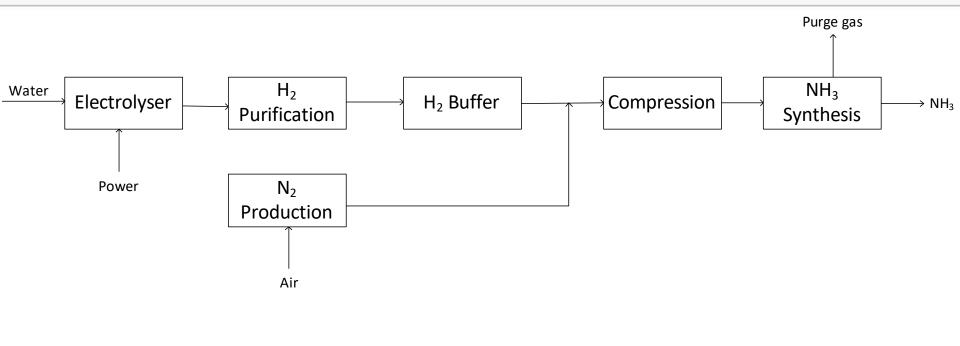


RENEWABLE AMMONIA: WHY?



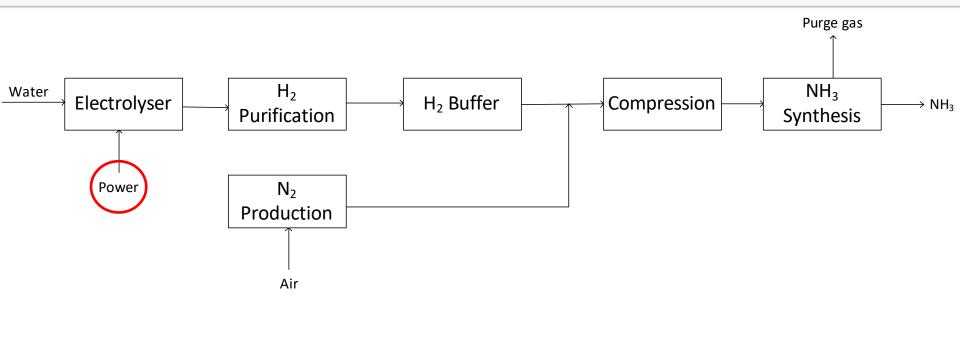


NH3 FROM RENEWABLES





NH3 FROM RENEWABLES





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