

# Introduction to Hydrogen Investing Worshipful Company of Fuellers



November 2023

Investing in clean hydrogen for a climate-positive impact

LSE: HGEN

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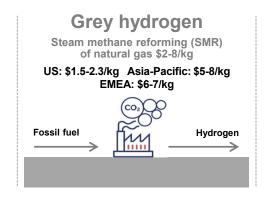
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# The colours of hydrogen

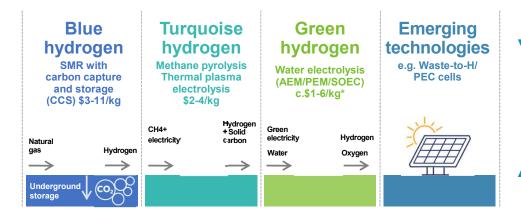






# \$175 billion "grey" market today...

- Industrial gas: refining, steel, cement, ammonia
- Cleaning up 830mtpa GHG emissions



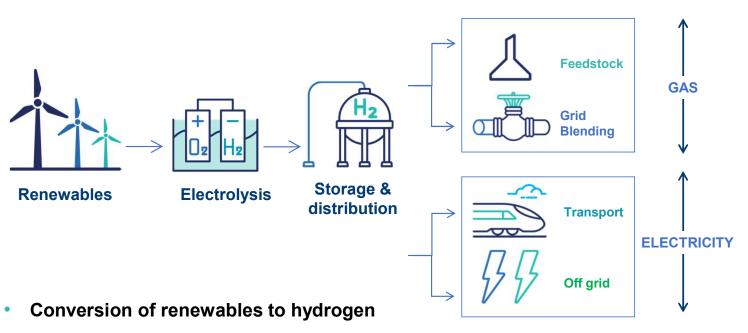
# ...and >\$2 trillion clean hydrogen growth

- · Replacing oil: buses, trucks, ships, forklift, portable power
- Gas grid blending: eventual shift to 100% hydrogen
- Grid balancing via hydrogen storage

Total addressable market, \$b	2030	2050
Hydrogen Production	600	1,650
Storage & Distribution	20	75
Supply Chain	40	525
Hydrogen Applications	30	350
Total	690	2,600

# Clean hydrogen: summary









- Multiple hydrogen applications to replace fossil
- 20 billion tonnes/yr GHG reduction potential

# Invested in significant manufacturing capacity and scale



# NanoSUN's hydrogen distribution and mobile refuelling equipment, UK



- Completed first serial production and delivery of units
- Germany distribution agreement
- Plans to expand in EU and Middle East



- Leading green hydrogen project developer, with over 900MW projects on the pipeline
- Plans for Gen2 Energy's hydrogen facility in Mosjøen approved, hydrogen offtake being signed

# **Developer companies – well established project flow**

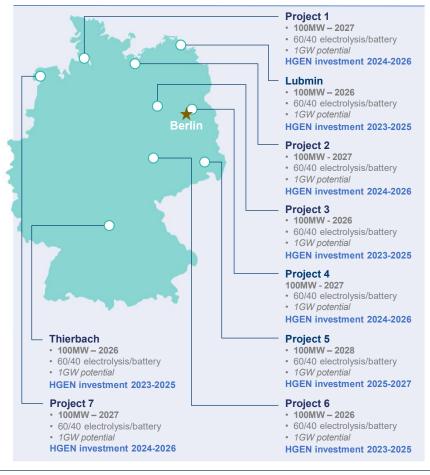






13projects **GW-scale sites** 

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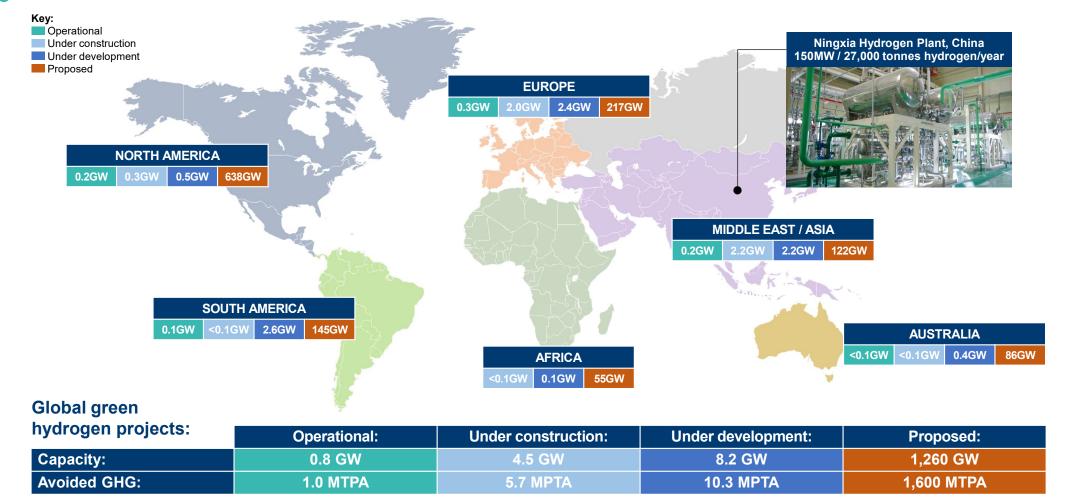
• Illustration of the G2E hydrogen production facility in Mosjøen in Norway



- HH2E Thierbach site, Germany
- 6,000 tonnes of green hydrogen per year (100 MW)

# Large-scale clean hydrogen deployment is underway





# **Contact us**



# **HydrogenOne Capital LLP:**

Dr JJ Traynor, Managing Partner Richard Hulf, Managing Partner

5 Margaret St London W1W 8RY

www.hydrogenonecapitalgrowthplc.com/

**Barclays Bank PLC:** 

Dion Di Miceli **Stuart Muress**  E: JJ.Traynor@hydrogenonecapital.com

E: Richard.Hulf@hydrogenonecapital.com

E: BarclaysInvestmentCompanies@barclays.com

T: +44 20 7623 2323