

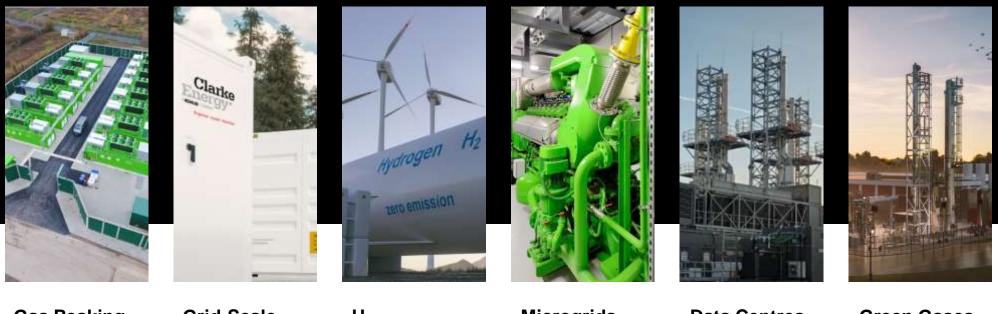
Progression of the Hydrogen Industry

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3rd July 2025



UK Market Segments Served



Gas Peaking

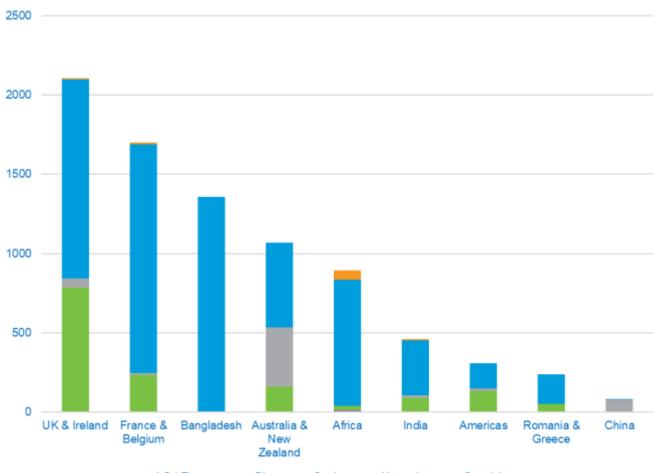
Grid-Scale BESS H₂ Electrolysis Microgrids

Data Centres

Green Gases



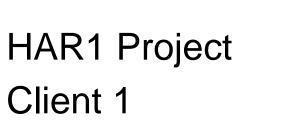
Our Global Installed Fleet



■AG / Flare gas ■Biogas ■Coal gas ■Natural gas ■Special gas

ClarkeEnergy*

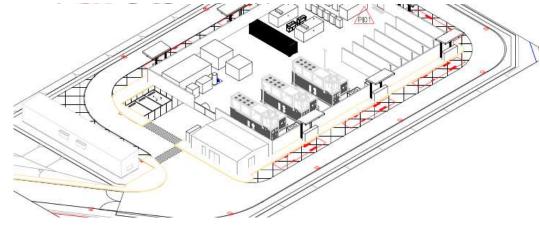








7.5MW Electrolysis Early-Works Design Package



Scope of the early-works included

- Equipment Specification
- Site Studies (Electrical / Civils / Hazard / etc.)
- Construction Plan
- Performance Guarantees
- Firm Price Proposal



Early-Works Design Benefits





Helps to de-risk project delivery Only way to firm-up projects costs

Our approach considers constructability and maintainability from the outset

We are an EPC delivery business though... so need projects at the end of the process!

Challenges to the H₂ Economy and Mitigation

If we are to deliver 10GW of H2 by 2030, we need to get moving

Political

Whilst government are supporting the HAR process, it's taking far too long for successful projects to reach FID

The LCHA needs to be signed quicker to show intent

Performance

In a nascent market, understanding the performance and contractual /commercial landscape is key

Expectations between developers and suppliers need to be aligned

Perception

Planners are unfamiliar with the technology and might be more apprehensive with approvals

Public perception of Hydrogen needs some work

Storage and Transportation

This is essential to the growth of the Hydrogen Industry.

UK is investing £500Million to support Hydrogen Storage and Transportation.

Demand

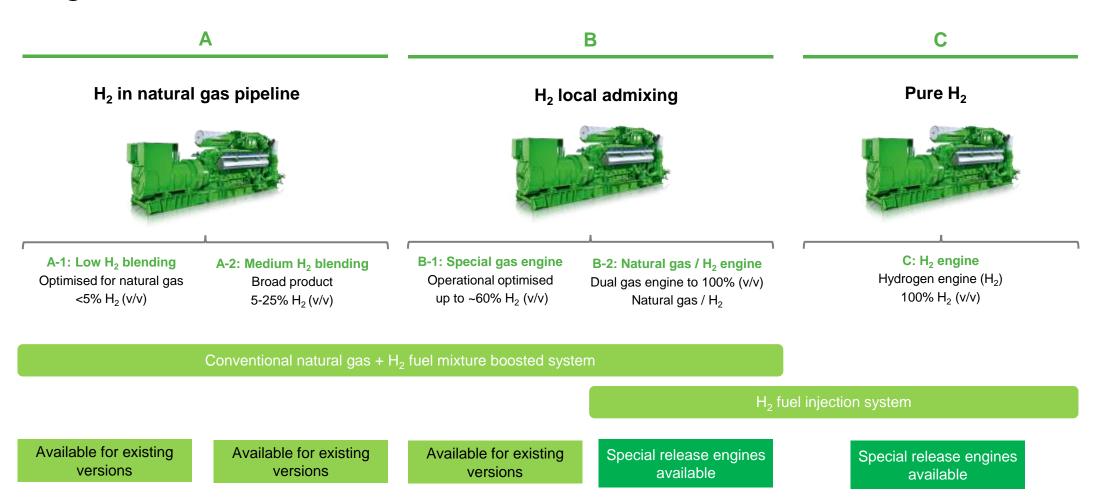
Transportation – Support is available for HGVs, Buses and SAF

Hydrogen to Power incentives including Capacity Market.

Distributed Heat Networks

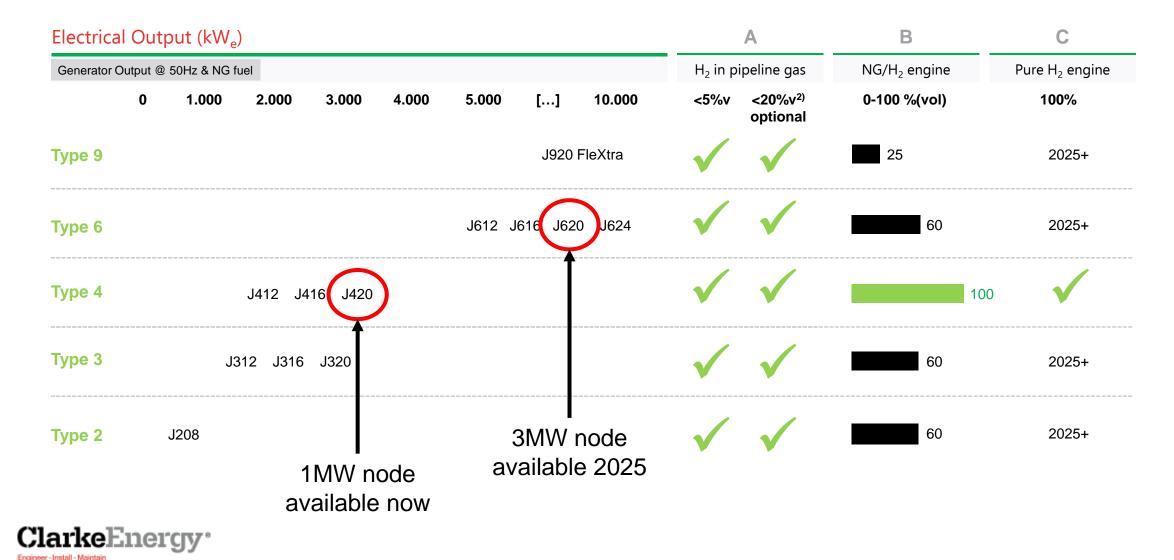


Jenbacher H₂ Gas Engine Categorisation





Jenbacher Product Portfolio



NorthC Datacentre, Eindhoven

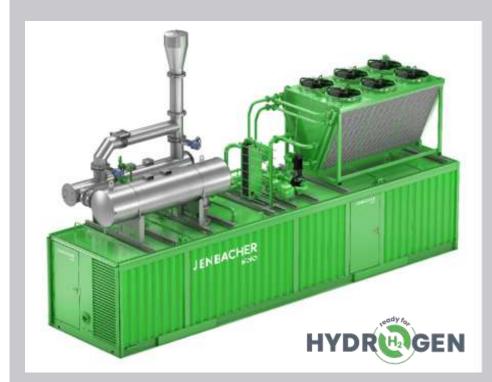
Regional colocation data centre in Netherlands

Green-certified electricity from the grid when available, with back-up $\rm H_2$ gen sets

 $6 \times 1 MW_e$ Innio Jenbacher Gas Engines

Dual-fuel capability:

- H₂ as primary fuel
- Natural gas as back-up to support longer outages

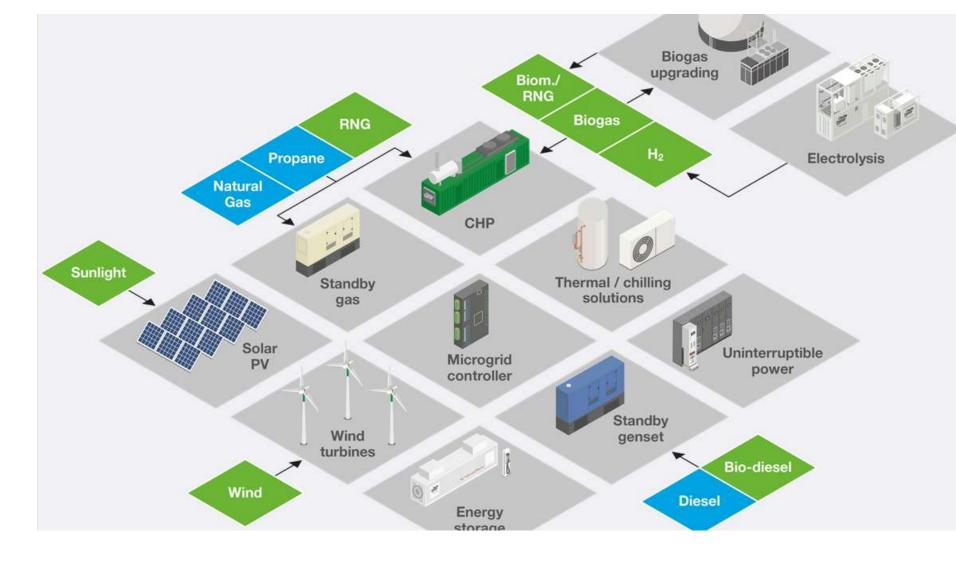


"We selected INNIO's Jenbacher technology to support our green hydrogen-powered electricity generation because of their long-term experience and proven track record with special gases, like hydrogen. With INNIO's Jenbacher hydrogen emergency backup power solution coupled with the renewable power sources from the electricity grid, we can decarbonize our complete energy supply infrastructure."



Decarbonising our Supply

Focus on an integrated system that offers maximum flexibility, maximises use of renewables when available and maximises efficiency at point of use





Any Questions?

Thank you for your time and here's looking forward to a successful H_2 future

