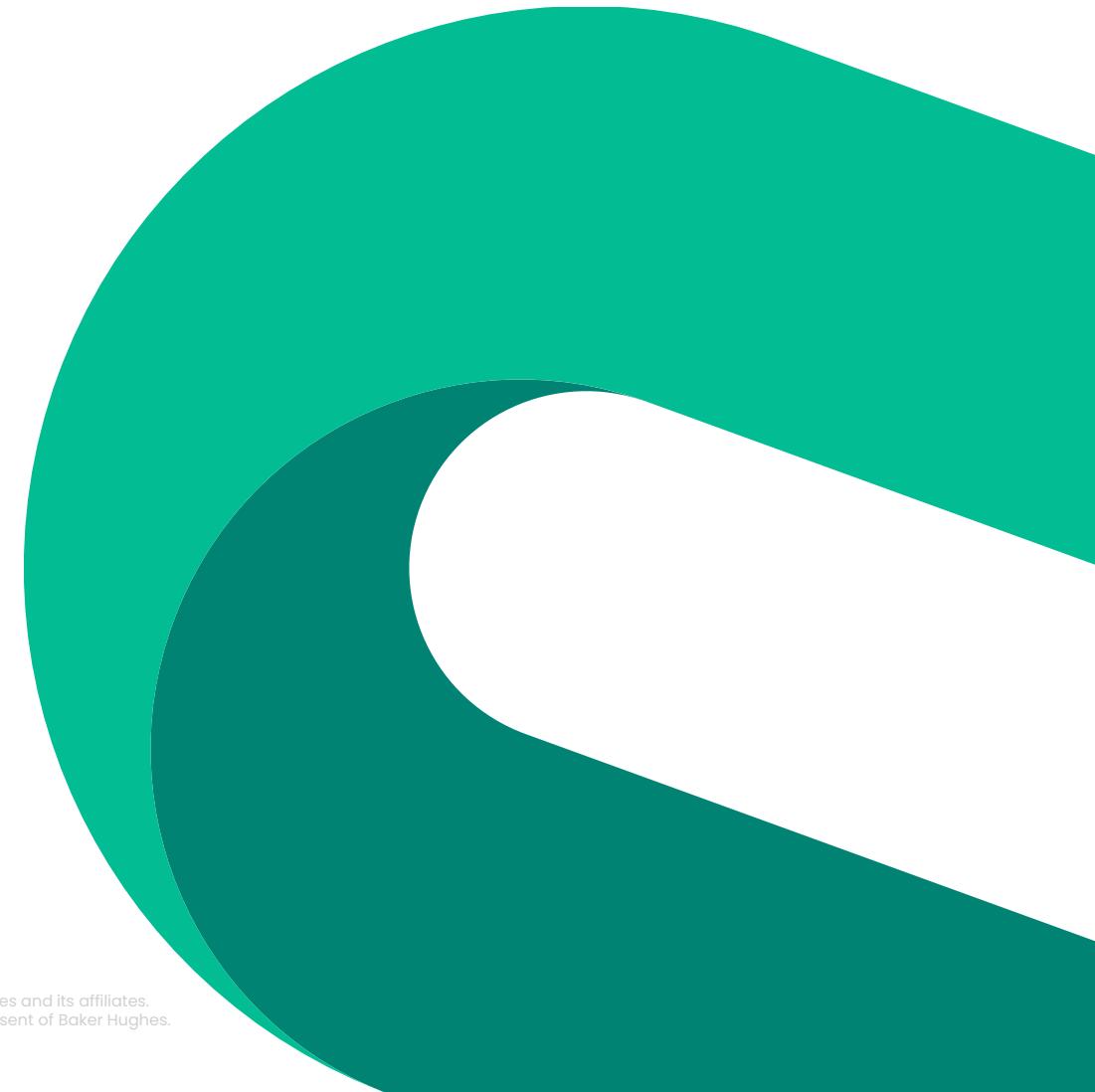


Clean powergen with Gas Turbines for Datacenters



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January 26th, 2026

NovaLT™16 Gas Turbine burning up to 100% hydrogen

MECHANICAL DRIVE

17.2 MW 37,7% efficiency

POWERGEN SIMPLE CYCLE

16.7 MWe 36,6% elect. efficiency

COMBINED CYCLE

22.0 MWe

48% El. Efficiency

COGENERATION

31tph Steam

80% CHP Efficiency

MAINTENANCE

35 khr – 70 khr

(1250-2500 starts)

Fast Engine swap

EMISSIONS burning 100%H2

NO_x <25 ppm with SCR
15 ppm full DLN (2026)

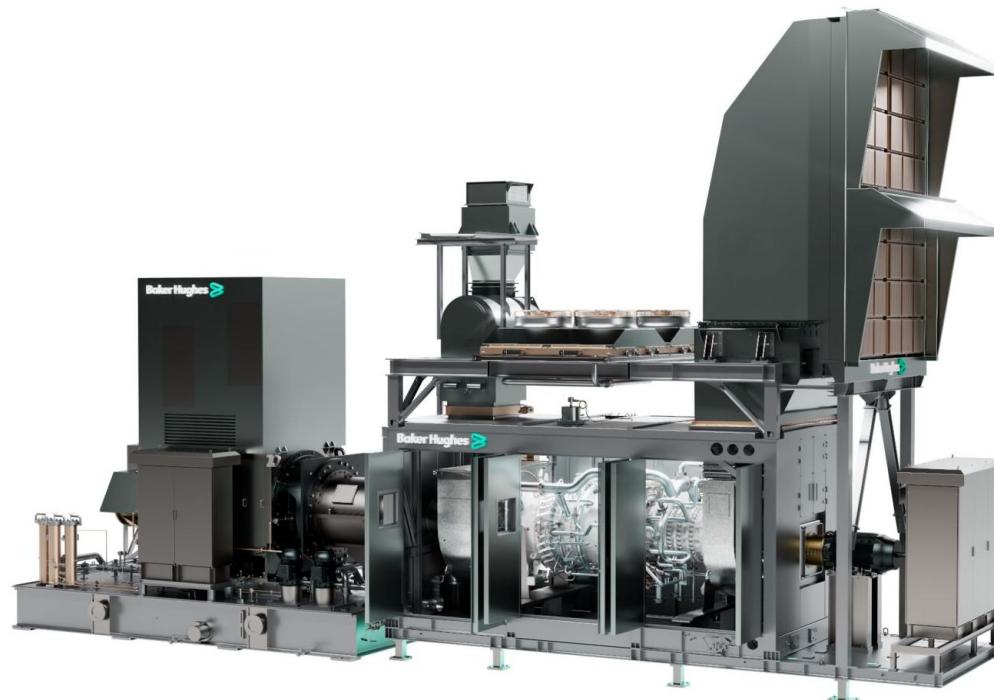
CO_2 0

EMISSIONS burning Natural gas

NO_x <25 ppm

CO_2 72275 Ton/y

Performances related to baseload @ISO conditions



Gas Turbine Package updated design for 100% H₂



Blue H2/NH3 production



Pipelines



Green power generation



Industrial Power generation



Data centers



Refineries



Offshore



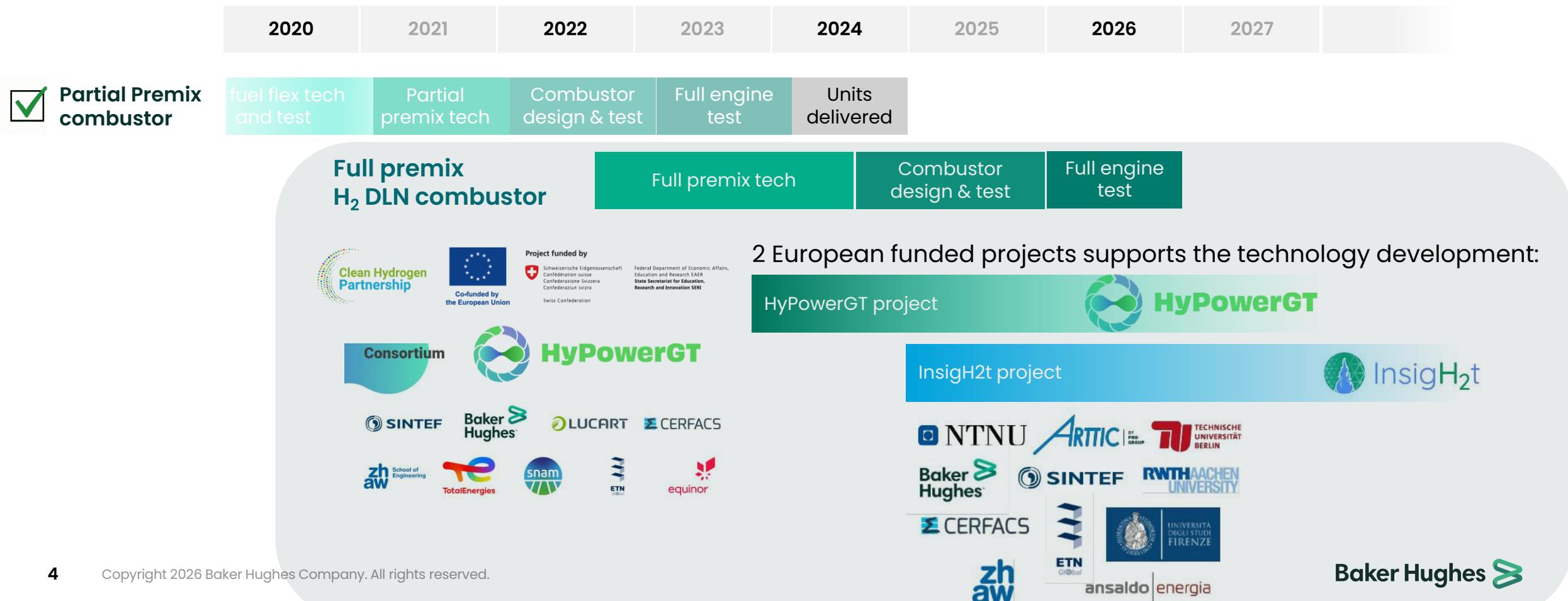
Marine propulsion

Start up with blends up to 100% H₂. Switch from NG to gas blends up to 100% H₂ on the fly

Baker Hughes 

Baker Hughes roadmap for 100% H₂ DLN combustion

NovaLT16 full premix combustor is a novel **low NOx emission** technology, able of handling any blend of natural gas up to **pure H₂**, using neither catalysts, nor diluents or thermodynamic efficiency reduction.



Hydrogen powered data centers: reliable and sustainable energy

The demand for data centers is accelerating rapidly, driven by AI, cloud computing and hyperscale infrastructure.

Customer requests:

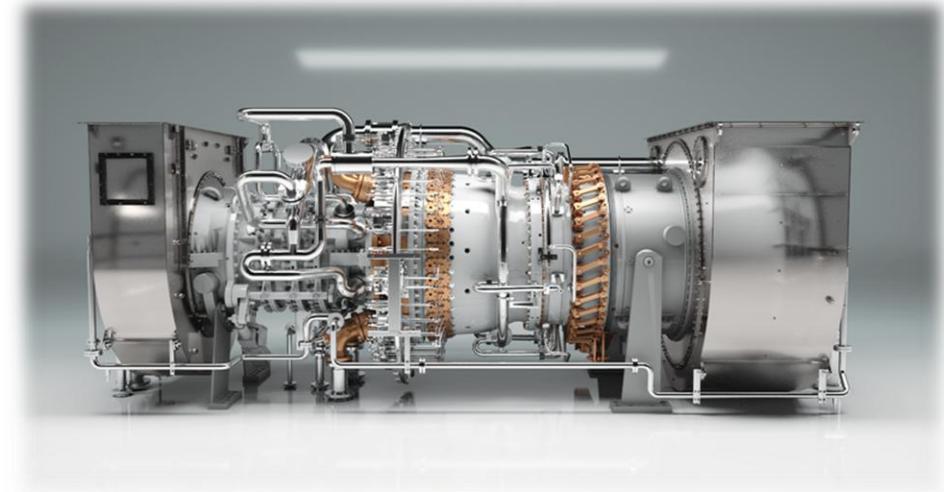
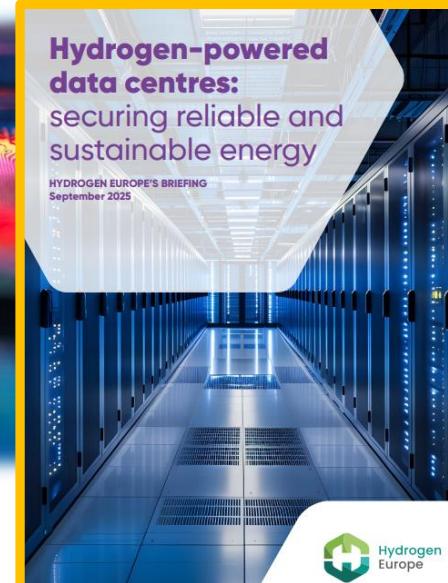
- High power demand
- Extremely variable load profile due to fluctuating computational loads from servers and cooling system
- High availability : five-9s
- Grid stability: scalable and flexible solutions
- Clean energy fuels (H₂, H₂NG, HVO, ..) and Integration with renewables



Full Baseload
Primary Power

Bridging Power

Temporary
Power



- Fast start-up
- Fuel flexibility including clean fuels
- Dual fuel capabilities
- Designed for high availability
- Low NOx emission

NovaLT™16 involvement in Data Center projects

Frontier Infrastructure's U.S. Data Center Project

Baker Hughes is supplying NovaLT™ gas turbines to power Frontier data center projects with a dedicated energy islands at Frontier's behind-the-meter (BTM) power generation sites

Project Highlights:

- Location: Wyoming, Texas
- Power: 270MW
- Gas Turbines: #16 NovaLT™16
- Packaging: Baker Hughes
- Generators: Brush 4-pole
- Gearbox: Lufkin



Strategic partnership with TURBINE-X Energy

Baker Hughes is supplying NovaLT™ gas turbines for multiple data center projects across North America

NovaLT™16 hydrogen capability is a valuable feature for our customers

NovaLT™ gas turbine is a proven technology for Data Centers, ready to deliver clean power

Baker Hughes 