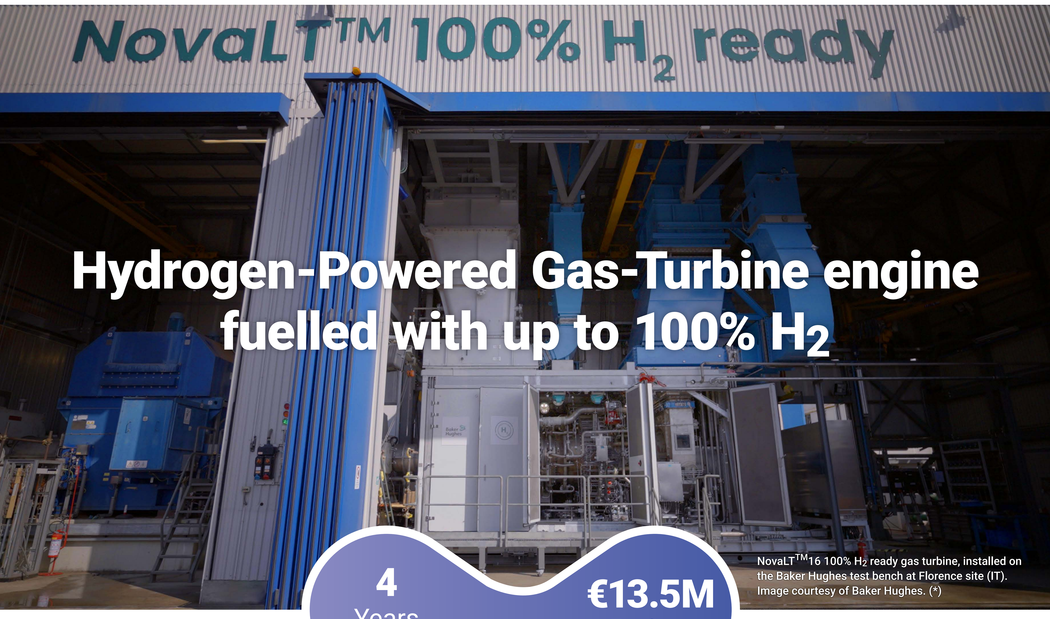
HyPowerGT



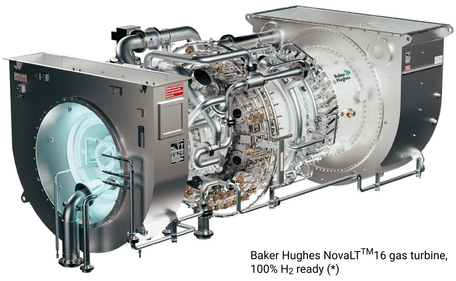
Hydrogen-Powered Gas-Turbine engine fuelled with up to 100% H_2

NovaLT™16 100% H_2 ready gas turbine, installed on the Baker Hughes test bench at Florence site (IT). Image courtesy of Baker Hughes. (*)

4 Years (Jan 24 – Dec 27)

€13.5M Budget

Concept



Baker Hughes NovaLT™16 gas turbine, 100% H_2 ready (*)

The HyPowerGT project aims at enabling gas turbines to operate on hydrogen guaranteeing low NO_X emissions without catalysts or diluents. The core technology is a novel dry-low emission combustion technology (DLE H_2) capable of handling mixtures of natural gas and hydrogen with concentrations up to 100%.

Main impacts

- CO_2 free gas turbines
- Reduced NO_X emissions
- Fuel flexibility
- Supporting the EU climate targets

hypowergt.eu
HyPowerGT
@HyPower_GT
info@hypowergt.eu

SINTEF · Baker Hughes · LUCART · CERFACS · zhaw School of Engineering · TotalEnergies · snam · ETN Global · equinor

Clean Hydrogen Partnership

Co-funded by the European Union

Project funded by
Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra
Swiss Confederation
Federal Department of Economic Affairs, Education and Research EAER
State Secretariat for Education, Research and Innovation SERI

The HyPowerGT project is supported by the Clean Hydrogen Partnership and its members (GA 101136656) and the Swiss Federal Department of Economic Affairs, Education and Research, State Secretariat for Education, Research and Innovation (SERI).