HyPowerGT

hypowergt.eu

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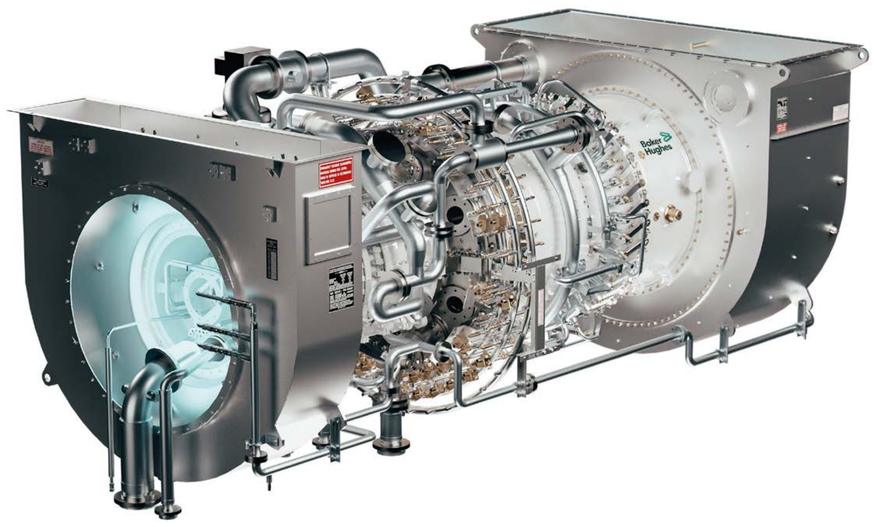

Baker Hughes NovaLT^{TM}16 gas turbine, 100% H_2 ready (*)

NovaLT^{TM}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

Technology

- The HyPowerGT project aims at enabling gas turbines to operate on hydrogen without dilution
- 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% H_2
- The DLE H_2 technology adheres to the strictest specifications for fuel flexibility, NO_X emissions, ramp-up rate, and safety, stated in the Strategic Research and Innovation Agenda 2021-2027.

Main impacts

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

Co-funded by the European Union

Project funded by

Schweizerische Eidgenossenschaft
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Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs, Education and Research EAER
State Secretariat for Education, Research and Innovation SERI

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