

ACHIEVEMENTS



Educational hydrogen vehicle for regional high schools



PEM electrolyzer test bench 1 kW



New platform dedicated to electrolyzer testing



Green SKHy hydrogen tour



Training for companies and information for the general public



120 kW PEM fuel cell test bench dedicated to industrial projects



HYDROGEN ENERGY

Facilities, Equipment & Expertise

FACILITIES FUNDING



NEED SOME H₂ EXPERTISE? PLEASE CONTACT US!



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HYDROGEN ENERGY PLATFORM

800m² dedicated to H₂ systems tests

- 10 test rooms
- Fully secured for advanced H₂ testing
- Temperature and hygrometry control
- Gas supply facilities (Hydrogen, Nitrogen, Oxygen, mixed gas...)
- Quality standards: ISO 9001, 14001, 45001

OUR TESTING CAPABILITIES

- PEMFC stack tests from **500W to 120kW**
- FC system tests up to **160kW**
- SOFC cell and stack test up to 1kW
- PEM electrolyzer stack and system test
- Connected or off-grid H₂ power supply solution test
- H₂ powertrain test for mobility
- ATEX climatic chambers up to 3m³
- Vibrating and climatic test bench compatible with H₂ use :
 - ◇ 6Hz to 25kHz, 75g, 35600N
 - ◇ -45/+120°C, 0 – 100% HR
- Metal hydride storage tests



OUR OFFER



TESTING

Access to our testing rooms and to our test benches after training, support of our technical staff



STUDIES

Feasibility, sizing, numeric simulations, development of prototypes, tests of prototypes at reduced or full scale



SCIENTIFIC & TECHNOLOGICAL EXPERTISE

Supporting your projects



EDUCATION & TRAINING PROGRAMS

Customized from general seminar to specialized program

OUR EXPERTISE

- More than **25 years** in H₂ expertise
- Very **long duration** tests : 24h/day, 7 days/week, thousands of hours
- **Cold start** and temperature cycling tests
- Advanced **characterization** in extreme range of operating conditions
- **Impedance Spectroscopy** at high voltage and current
- **Ageing** on real and accelerated dynamic cycles

