

Impact of hydrogen on your equipment and materials (FenHYx test platform)

YOUR CHALLENGES

Accelerate the adaptation of your structures and equipment to hydrogen, by assessing the impact of this molecule on your infrastructures and identifying the most suitable technical solutions for your industrial configurations

OUR VALUE-ADDED SKILLS

- A high-pressure static test platform (0 to 100 bar, 0 to 100% hydrogen) with different modules:
- Integrity module: mechanical pressure testing and evaluation of the impact of hydrogen on the behavior and aging of materials.
- Network equipment module: analysis of the effects of hydrogen on the operating characteristics of valves, regulators, meters and other equipment positioned on the networks.
- Corrosion module: evaluation of the impact of hydrogen on cathodic protection, the evolution of existing defects or the problems of interaction with coatings or paints.
- Gas Quality Module: qualification of analyzers on 100% H₂ gas matrix
- Ability to reconstruct high-pressure H₂ leaks, emergency decompression, venting or burning tests, ...
- A technical capacity for dynamic testing of certain equipment, up to 2000 Nm³/h, is also available.

PRICE OF THE SERVICE

Tailor-made service adapted to your industrial characteristics.
Contact us to specify your needs and receive a personalized offer.

OUR REFERENCES

- Test programs for the evaluation of hydrogen embrittlement of steels and metallic materials for hydrogen-compatible pipelines
- Performance tests on high-pressure valves to assess the impact of hydrogen mixtures on their operating characteristics.
- Testing & Qualification of Hydrogen Detection Equipment

THEY TRUST US



OUR CONTACT

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