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YOUR PARTNER FOR YOUR H₂ SOLUTIONS

WHO ARE WE?

For 37 years, Top Industrie has produced a range of high pressure components: valves, fittings, autoclaves, tanks, compressors as well as accessories for pressure ranges from 50 to 7000 bars. Leader in the high pressure market, Top Industrie is evolving towards an integration technology for complex systems.

Today we design and manufacture complete installations. Our core business being the realization of demonstration units (laboratory and industrial), we are always oriented towards the development of new products and new technologies that can integrate a wide range of new means and processes.

Present on five continents, our company continues to grow from year to year with a strong involvement in research, development and emerging technologies.



Vaux le Pénil 77000



Design offices: 20 pers.



Top Industrie is a member of:





||||| Our market: R&D

Top Industrie is actively involved in the development of renewable energies and the widespread use of hydrogen as an energy vector.





||||| AN EXPERTISE

TECHNOLOGICAL AND TECHNICAL

The safety of the equipment and processes deployed is a major challenge for the development of the hydrogen industry. This issue affects the entire value chain of the H_2 molecule, and is mainly based on the performance of materials, the sealing of systems and the study of processes.

Thanks to its experience in the design and manufacture of equipment for the management of fluids at critical temperatures and pressures, Top Industrie has a great added value for the structuring of the entire value chain of the H_2 industry.

Top Industrie offers a wide range of services, products and equipment dedicated to H₂

HYDROGEN PRODUCTION PLANTS

Equipment for HP Electrolysis
Transport and piping
By-product valorization
(equipment for the valorization of
waste such as biomass and CO₂)
PSA (Separation)
Creep and fatigue machines

HYDROGEN STORAGE AND TRANSPORTATION

Complete storage stations
Liquid storage
Gas storage
Creep and fatigue machines,
Stress corrosion
Hydrogenation / Dehydrogenation



Complete installations for heavy and light mobility H2 compressor unit Pneumatic and electric Valves, fittings, pressure gauges pressure sensors, piping, check valves, ...



Valves, fittings, pressure gauges, pipe pressure sensors, check valves,...







|| YOUR DEVELOPMENT PARTNER

FROM RESEARCH TO INDUSTRY

Study of the behavior of materials in the presence of H₂ H₂ embrittlement, creep, ...

Dedicated Test benches for H₂

R&D: materials characterization, permeability, embrittlement (alloys, elastomers) Production line: sealing, leakage tests, embrittlement Any specific H₂ test

Design and manufacture of specific H₂ equipment **Integration of complete systems**

Consulting for the development of specific H2 products





OUR H₂ OFFER

SOME ACHIEVEMENTS



Traction machine self-compensating

H₂ under pressure 400 bar

Internal force measurement and extensiometry

Minerve Power to gas plant -**Catalytic Methanation**



- First demonstrator Power to Gas in France
- 1 m³/h of CH₄ produced from green H₂ -Conversion rate up to 99%.



Hydrogenation reactors

20 - 200 bar 200 - 250°C



H₂ compressor unit

Pneumatic or electric

Operating pressure: up to 3000 bar



Gas Loader

H2 at about 3000 bar

|||| THEY TRUST US





















































