

HYDROGEN ENERGY EQUIPMENT

Provider of integrated solutions for the entire value chain

Your partner for hydrogen mobility





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Beyond operational excellence, Spyrides Group is resolute in its commitment to Environmental, Social and Governance (ESG) principles, by practising sustainable sourcing and prioritizing product quality to create durable, energy-efficient products that stand the test of time and reduce waste.

At Spyrides Group, leadership is not just a position; it's a legacy built on innovation, integrity and an unwavering commitment to excellence.

Our goal is to create a cleaner and more sustainable future for mobility. We are dedicated to providing the infrastructure required to accelerate the transition towards a zero-carbon future.

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Panagiotis Spyrides

President and CEO of Spyrides Group

COMPANY PROFILE

With a history spanning over **90 years**, Spyrides Group is the leading manufacturer of fuel stations in Greece and a prominent global player, excelling in both equipment provision and services. At the core of our operations is a steadfast dedication to delivering complete and vertically integrated solutions.

+ 220 Employees

5 Branches in Greece and 1 in Albania

18 Maintenance Bases

Dem. G. Spyrides S.A. is the sole manufacturer of fuel dispensers in the Balkans and the leading provider of forecourt automation systems in Greece, with over half the market share. The company's global reach extends to exports in **more than 45 countries**.

Utilizing our extensive experience in the design, manufacturing, installation and maintenance of refueling infrastructure, the company also offers **turn-key solutions** for cleaner alternative fuels, such as **Hydrogen, LNG and CNG**.

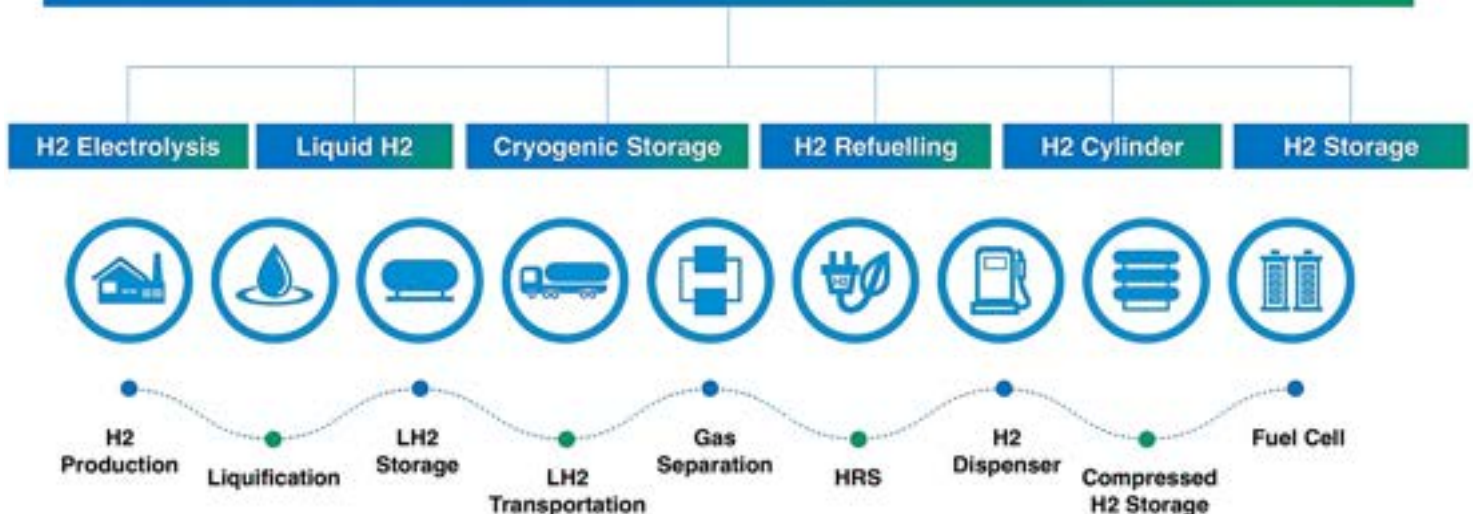
Petrotek S.A. provides construction and maintenance services to clients in both the Public and Private sectors, including all major Oil & Gas companies.

Neotec Energy S.A. specializes in e-mobility, offering Light Commercial Electric Vehicles, dependable EV Chargers, Photovoltaic (PV) Panels and Battery Storage Systems from accredited manufacturers. Provides on-site installation and maintenance services.

Avetel S.A. is the leading company in the Greek advertising industry, specializing in interior and exterior signage, fuel station canopies, as well as metal buildings.



Turn-Key Hydrogen Solutions



WATER ELECTROLYSIS HYDROGEN PRODUCTION EQUIPMENT

Efficient and reliable Alkaline Water Electrolysis (AWE) and Proton Exchange Membrane (PEM) water electrolyzers, Gas-Liquid Separators, Purification Systems and many more Auxiliary Units.

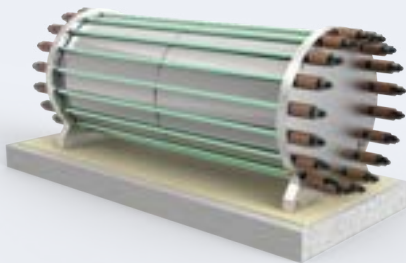
Main Products:

- 50-1.000 Nm³/h Alkaline Water Electrolyzers
- 4-200 Nm³/h PEM Electrolyzers
- System Integration
- Distributed Hydrogen Production
- Green Hydrogen Production Solutions

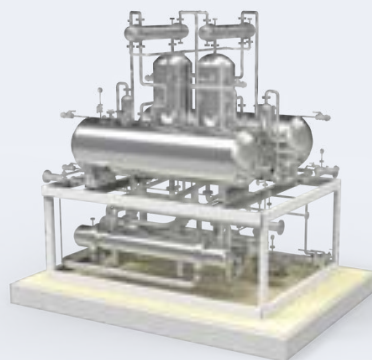


Comprehensive Hydrogen Energy Solutions

Water electrolysis hydrogen production systems can be widely combined with renewable energies, such as hydro, wind and solar power. These systems convert electrical energy into hydrogen energy and, when combined with liquid hydrogen, enable long-distance transmission and storage of renewable energy. Water electrolysis hydrogen production can be applied in transportation, industrial and domestic uses, gas-fired power generation, and other fields, making it an ideal tool for efficiently converting excess electrical energy into hydrogen energy.



Electrolysis Stack



Gas Liquid Separators



Dryer & Purification System



**Alkaline Water Electrolytic (AWE)
Hydrogen Production System**



**Proton Exchange Membrane (PEM)
Hydrogen Production System**

LIQUID HYDROGEN PLANT SOLUTIONS AND STORAGE & TRANSPORT CONTAINERS

Hydrogen Liquefaction Units, Vertical and Horizontal Tanks, Containers, Compressors and all necessary equipment for long-term and long-distance liquid hydrogen storage and transport.

Main Products:

- 8-30 tons/day Hydrogen Liquefaction Units
- Liquid Hydrogen Containers
- Liquid Hydrogen Tank Containers
- Liquid Hydrogen Engineering EPC (Engineering, Procurement, and Construction)



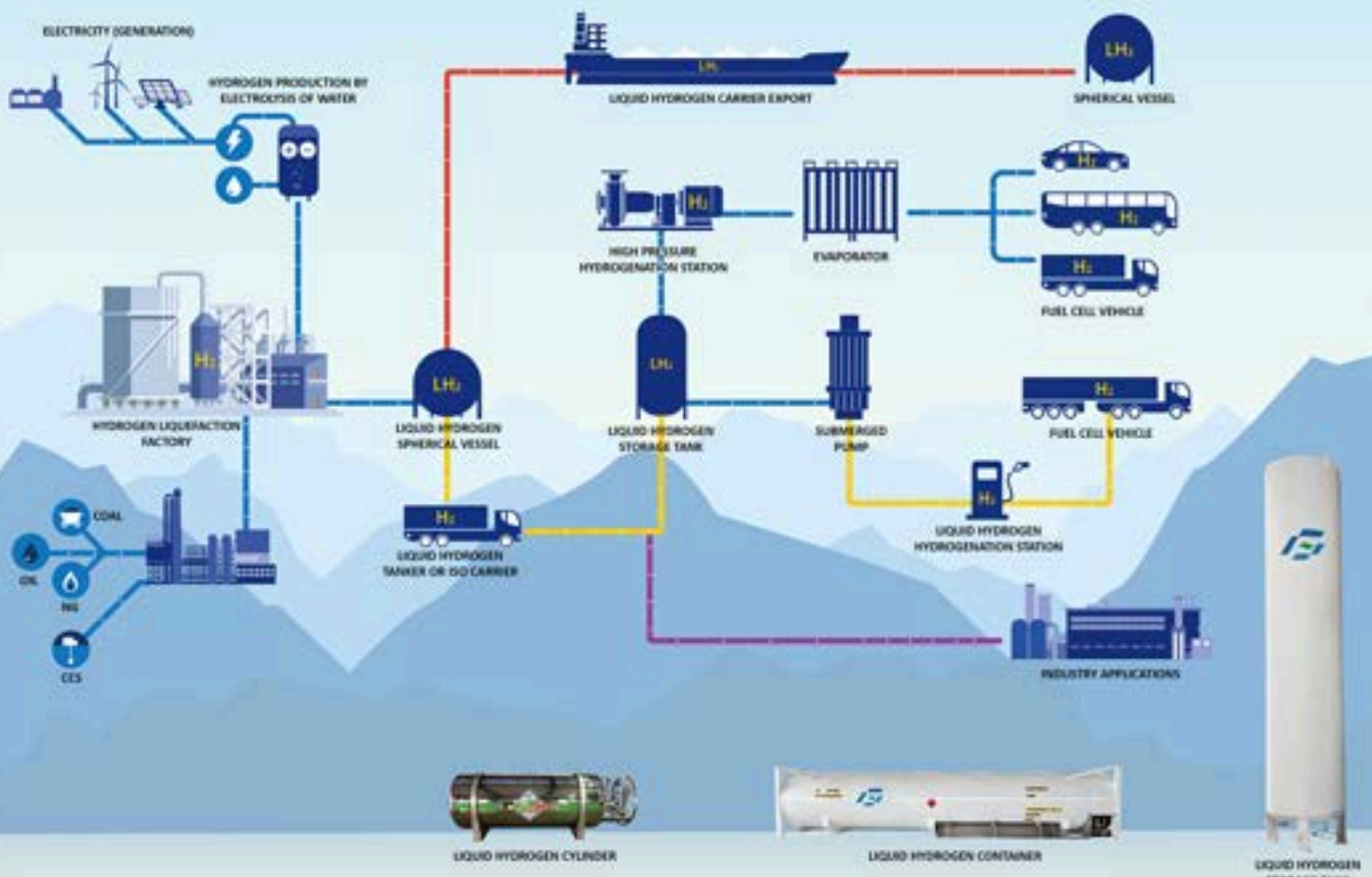
Hydrogen Liquefaction and Core Equipment

We provide 5-30 TPD (tons per day) hydrogen liquefaction process packages, offering solutions for long-term hydrogen storage and long-distance transportation.

Our technology covers the entire value chain, from water electrolysis for green hydrogen production, hydrogen purification and liquefaction, to liquid hydrogen storage, transportation and refueling.

Engineering and Services

We offer a range of services related to liquid hydrogen, including EPC engineering services, commissioning and operation services, and after-sales warranty services. Additionally, we provide industry strategy and market trend analysis services. Our flexible and practical solutions help clients fully leverage every opportunity in this field.



COMPLETE HYDROGEN REFUELING STATION EQUIPMENT

State-of-the-art complete equipment for hydrogen refueling stations with a capacity of 200 to 1.000 kg per 12 h with 35 MPa/70 MPa refueling options.

We offer scenario-based analysis services for various hydrogen refueling station applications. These services include preliminary planning, budget proposals and comparative analysis of product selections. Additionally, we offer services such as EPC (Engineering, Procurement and Construction) and smart O&M (Operations and Maintenance) for hydrogen refueling stations.

Complete Equipment for Fixed Hydrogen Refueling Stations

Complete equipment for fixed hydrogen refueling stations providing multi-modular hydrogen refueling solutions, equipped with skid-mounted modules for gas unloading, compression, storage, fast refueling and cooling. The entire station is equipped with a safety control system and can achieve functionalities, such as hydrogen refueling, cooling, metering, safety control, remote intelligent diagnostics, real-time monitoring of key equipment, big data analysis and cloud computing.



Containerized Hydrogen Compression and Refueling Unit

The containerized hydrogen compression and refueling unit provides a quick and efficient solution for integrated refueling stations. This unit combines hydrogen refueling, cooling, metering and safety control systems into one integrated system. All processes, including manufacturing, integration, testing and trials, are completed at the manufacturing facility.

For site installation, it only requires a simple connection of the containerized system module to external hydrogen storage cylinders (hydrogen storage tanks) and the low-temperature cooling system. This enables fast and efficient continuous hydrogen refueling, with refueling speeds for each vehicle taking less than 5 minutes.



REFERENCE PROJECTS



AFTER-SALES SUPPORT AND MAINTENANCE SERVICES

-  International Project Service
-  Lifetime Service
-  Digital Management Platform
-  24/7 Service Support
-  Professional Technical Team
-  60+ Technical Team for Customer Support





Learn more about
Spyrides Group's
complete solutions

www.spyrides.gr

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