



HYDROGEN SOLUTIONS

YOUR PARTNER FROM CONCEPT TO REALIZATION

 **HYMATTERS**

HYDROGEN

KEY TO SUSTAINABILITY

You want to contribute to the energy transition? And therefore make your business processes more sustainable? But while maintaining a reliable energy supply? **HYMATTERS helps you with knowledge and expertise in the field of hydrogen. We develop and realize hydrogen solutions that suit your situation.**

Sustainability requires tailor-made solutions. Every business situation is unique, with its own energy infrastructure and its own energy requirements. Whether it concerns real estate, industry or vehicles, the scalability and modularity of hydrogen technology makes solutions possible also for your situation. The hydrogen engineers and project support staff of **HYMATTERS** will guide you through this process. Together we realize the optimal solution for your situation.

WHY HYDROGEN?

REAL ESTATE

- Energy-neutral buildings
- Maximum utilization of locally produced renewable energy
- Seasonal storage to support security of supply

MANUFACTURING INDUSTRY

- Exploit the similarities between hydrogen and natural gas
- Evaluate possibilities to reuse existing installations
- Full utilization of locally produced renewable energy
- A phased energy transition through blending

INFRA

- Operation avoiding (local) emissions
- Heavy duty applications on hydrogen where batteries are not feasible
- 24/7 operation



LET'S START WITH SOLUTIONS THAT WORK FOR YOU



1.

VISION AND CONCEPT

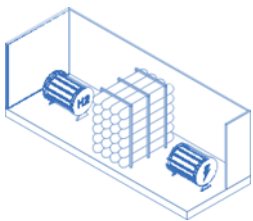
At this stage, we engage with you and your stakeholders to explore options for your energy supply and local energy infrastructure. This results in a supported vision and energy concept.



2.

FEASIBILITY

We create a first design of the hydrogen energy system. With our in-house developed simulation software, we quickly arrive at an optimal sizing. Using this principle design, financial feasibility, safety, permitability and realization are elaborated.



3.

DETAILED DESIGN

Plans are becoming concrete. We define the final design for engineering, financing, safety, permission and licensing. Manufacturers and suppliers are approached to deliver (sub)systems in order to achieve a feasible hydrogen energy supply.



4.

REALISATION

Construction starts! We supervise the construction on a technical level and support with technical project management. We use our network of partners to achieve an operational hydrogen energy supply.



HYMATTERS RESEARCH & CONSULTANCY B.V.

+31 6 255 204 51

info@hymatters.com

www.hymatters.com

VISITING ADDRESS

Westervoortsedijk 73

6827 AV Arnhem

the Netherlands