

HYDROGEN VENTURE

Green
Hydrogen



GREEN HYDROGEN

Decarbonization is a necessity:

- Climate change is a reality
- Governments are committed to it
- Geopolitical tensions accelerate this process

Undoubtedly, green hydrogen, along with other solutions such as electrification, will be part of the solution.

HYDROGEN VENTURE

At Almar Water Solutions, we specialize in analyzing the best options for energy transformation with a focus on hydrogen. Through Almar Hydrogen Venture, our experts in renewable energy and H2 collaborate across our group's various lines and partners, considering water as a vital component in its production. We offer the design, development, and operation of a Hydrogen plant in exchange for a commitment to purchase – a "Hydrogen Purchase Agreement" (HPA). Our capabilities include:

- Expertise and specialization in H2
- Renewable energies – Power Purchase Agreements (PPA) and self-consumption
- Unconventional water use – Circular economy
- Tailoring solutions for our clients
- Full-service operation
- Investment capacity

HYDROGEN APPLICATIONS FOR

Heavy transportation



- Advantages in autonomy and refueling time
- Leveraging incentives to mitigate vehicle costs

Industry



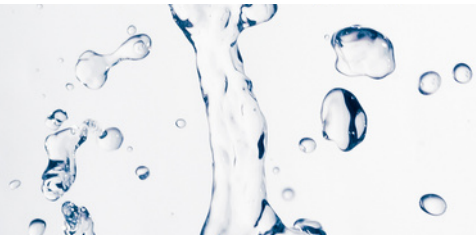
- Validated flame compatibility with most products
- Furnaces compatible with up to 20% H₂
- H₂ ensures price stability and supply reliability

Natural gas



- Permission to inject up to 20% into gas lines - Enagas
- Ongoing legislation

Our experience allows us to reuse water and other by-products, supporting the circular economy.



We begin each case with a tailored energy transformation analysis within 3-5 weeks, backed by our investment, proposing the best option for the client:

- Optimal energy mix, exploring alternative renewables
- Electrolyzer – Technology and suitable production capacity
- Plant – Evaluation of storage and distribution
- Renewable energy – Assessment of self-consumption vs. PPA
- Water – Treatment and minimal impact water use
- Applications – Support in managing uses – Technical and financial

We handle the entire value chain through an HPA (Hydrogen Purchase Agreement).

ALMAR HYDROGEN VENTURE

Almar Water Solutions leads the way towards a sustainable and efficient green hydrogen future. Our comprehensive solution ensures hydrogen production in harmony with the environment, fostering responsible innovation.

Let's build a green hydrogen future responsibly and innovatively!



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