



# Green hydrogen systems

 HYDROALP

  
WBMG  
GROUP

# COMPANY OVERVIEW

The **Alps**, Europe's most important mountain range, not only enchant with their imposing peaks, forests, and breathtaking landscapes, but also represent a rich **history, tradition, and experience**. Besides being a symbol of unspoilt **nature**, they are also an example of **technology** and **innovation** in the virtuous use of renewable energy sources, such as hydropower, photovoltaics, and wind power.

Hydroalp, a BM Group company acting as an EPC contractor in the **renewable energy** sector, was born in 2015, inspired by the Alps for the values of **innovation, sustainability, and integration** that they represent. These values can contribute to the **sustainable development** of energy resources, preserving and enhancing the environment for **future generations**.

## MISSION

Hydroalp's mission is to drive the transformation towards a **sustainable future** by providing comprehensive and innovative renewable energy solutions. Through our **experience, expertise, and passion**, we are committed to maximising value for our customers, reducing environmental impact, and contributing to climate change mitigation.



## VISION

Inspired by the **beauty** and **power** of the Alps and guided by our core values of **sustainability, integrity, innovation, and collaboration**, we believe in renewable energy as a means to create a better future and a better world for present and **future generations**.

UNI EN ISO 9001:2015  
UNI EN ISO 14001:2015  
UNI ISO 45001:2018



## Hydroalp

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## TAILOR-MADE PROJECTS

Hydroalp offers a complete portfolio of services, from preliminary and detailed engineering and consultancy to civil and plant construction and commissioning:

### FEASIBILITY STUDY

- On-site assessment
- Drafting of preliminary offer based on energy needs
- Business plan

### CONSTRUCTION

- Preparation and management of the authorisation phase (civil, electrical, environmental)
- Executive Project Development
- Plant installation, grid connection, and management of relations with distribution companies
- Plant auxiliary systems

### O&M

- Continuous monitoring of plant performance
- Ordinary and planned maintenance

**PIANO  
TRANSIZIONE 5.0**



## Green hydrogen production

- Turnkey plants
- Plug & play solutions

## Trading & PPA



## Factory 5.0

### Smart factory - Polytec

- Industrial automation
- Robotics systems
- Intralogistics solutions



## Green power generation

### Photovoltaic systems - Nyox

- Industrial photovoltaic plants (EPC, PPA)

### Hydropower plants

- Water-to-wire
- Revamping and repowering



## Plant auxiliary systems

Plant components for the management of innovative fuels, such as green hydrogen

# H<sub>2</sub>ALP

**H2ALP** is a plug & play system that includes:

- Water purification via a demineraliser
  - Electrolysers
- Hydrogen drying and purification system
- Automatic temperature management via air-water exchangers
  - Remote control



## H2 integration in the production process



in [www.hydroalp.com](http://www.hydroalp.com)