

 IIT Hydrogen



With our plant built in 2012, IIT Hydrogen Srl (formerly the Institute for Technological Innovations of Bolzano Scarl) has been a pioneer of green hydrogen in Italy. We were among the first in Europe to engage in the production, storage, and distribution of certified green hydrogen, promoting sustainable mobility.

Backed by strong engineering know-how and partnerships with industry experts, we provide

consulting services for the design and construction of turnkey green hydrogen production and distribution plants for both mobility and industrial applications.

We believe green hydrogen is a catalyst for change — a powerful driver of decarbonisation and a clean, efficient energy carrier that should be accessible to all. Every day, we work towards a future where cities hum with silence, the air is clean, and greenhouse gas emissions are a thing of the past.

360 kg
daily capacity

17.000
refuelling

170.000 kg
green hydrogen

2.400 t
CO2 avoided



We also work in the field of research and development together with regional and international partners.

Within the framework of the Integrated Project LIFEalps, we promote the development of a zero-emission transport system

in South Tyrol and neighbouring areas by developing the electric and green hydrogen infrastructure and facilitating the use of zero-emission vehicles.

The aim is to make the Alpine territory a model region for zero-emission mobility.

DESIGN OF HYDROGEN PLANTS	IMPLEMENTATION OF HYDROGEN PLANTS	HYDROGEN PLANT MANAGEMENT
		Operation & Maintenance (O&M) of the plant
		Operation and real-time monitoring of hydrogen infrastructure
	Technical oversight of procurement and supplies	Routine maintenance of H2 infrastructure
	Supervision of installation activities	Extraordinary maintenance and repairs
Project development	Support in fire safety project development	ADR support and consulting
Identification of end users and assessment of their needs		Hydrogen logistics implementation
Business planning and cost-benefit analysis	Factory acceptance tests, commissioning, and final acceptance	24/7 on-call service and system monitoring



TENDERING &
PROCUREMENT

PROJECT FINANCING &
DEVELOPMENT

Preparation of technical
tender documents and
contract specifications

Development of
financing models

Tendering support

Drafting of funding
applications

Definition of evaluation
criteria and participation
in technical committees

Coordination and
implementation of funded
projects

Technical and economic
alignment of bids

Project management
and oversight



