

ENERGY STORAGE STATION



MAHYTEC offers full-scale energy storage station



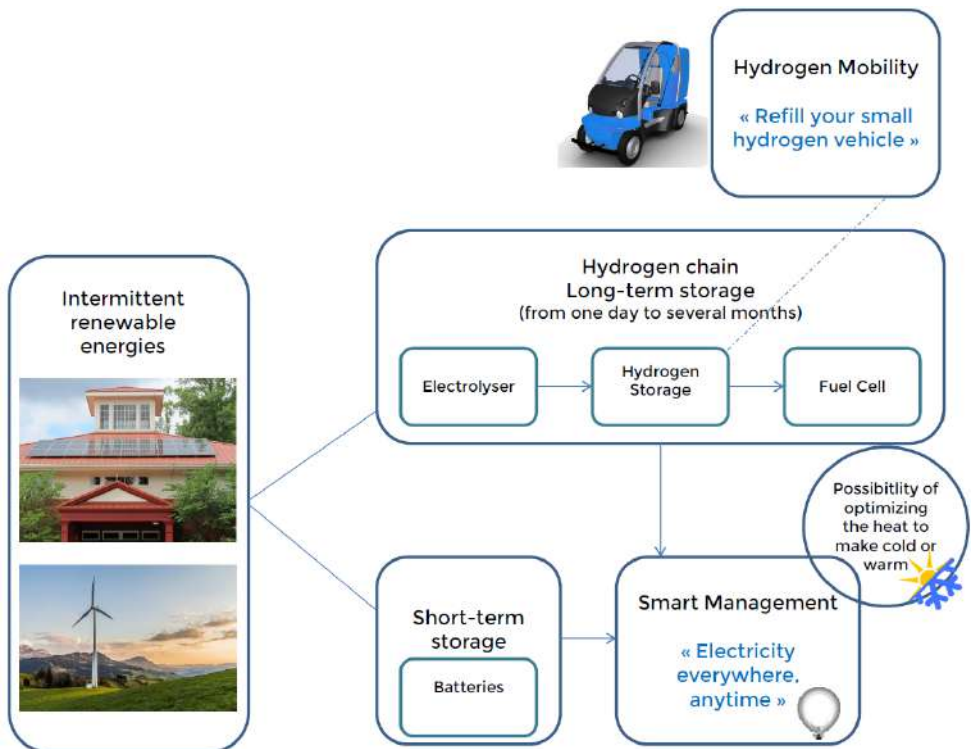
- Standalone and complete facility for production, storage and energy consumption
- The system provides an overview of the whole hydrogen chain.
- System control management adapted with displays on PC or tablets.
- Long-life system and low maintenance
- Hydrogen Mobility can be delivered with a small fuel-cell electric vehicle



How does it work?

It generates and stores electricity when solar or wind power is available and it provides clean electricity when the other power sources are not available.

Due to its powerful battery unit and the large H₂ tank it is able to supply electricity for several days. It can also provide hydrogen for a small H₂ powered electric car.



TECHNICAL CHARACTERISTICS

HYDROGEN PRODUCTION

Technology	PEM
Hydrogen Production	1Nm ³ /h
Output pressure	50bar

HYDROGEN STORAGE

Technology	Compressed type IV
Volume of hydrogen tank	850L
Maximum working pressure	60bar
Technology	Metal hydride tank
Volume of stored hydrogen	2100NL
Maximum refilling pressure	15bar

ENERGY RESTORED

Technology	Lead-gel battery
Total power	5 kW
Technology	PEM fuel-cell
Output power	1 kW

DISPLAY INTERFACE

Overview of the system

Overview of the hydrogen components

