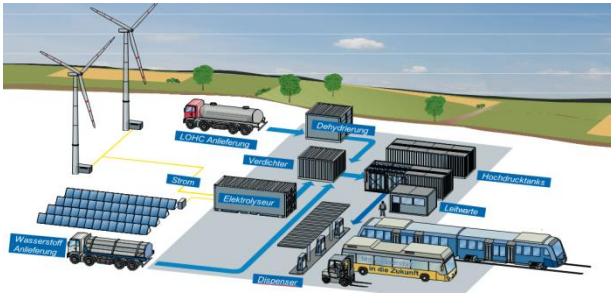


Hydrogen Refueling Station



- Anleg
- EMCEL
- EMS/ETC
- WEMA

PARTNER

• <3 million €

VOLUME

• < 2 years

PROJECT DURATION

•HRS infrastructure

SCOPE

This present project reference example of an HRS infrastructure has the capacity to refuel 20 fuel cell bus per day with hydrogen.

Hydrogen has an increasing importance as fuel, especially for commercial vehicles such as busses or trains.

Covalion and its partners offer solutions for:

- Hydrogen fueling stations with hydrogen production on site
- Hydrogen fueling stations with hydrogen delivery
- Facilities to generate hydrogen from renewable energies
- Transportation and storage

COMPONENTS	TECHNICAL DESCRIPTION
Compressor unit	<ul style="list-style-type: none"> ◆ redundant designed ◆ Piston compressor lubricant free ◆ 30 – 500 bar
HD storage (Type IV)	<ul style="list-style-type: none"> ◆ > 1000 kg H₂ on 500 bar ◆ Fixed supply ◆ Passive fueling (that is to say without compressor) by overcurrent
Dispenser unit	<ul style="list-style-type: none"> ◆ Indoor Dispenser ◆ Recognition if bus or car refueling succeeds