HYSYTECH
FILLING THE GAP

H2genio
HYSYTECH

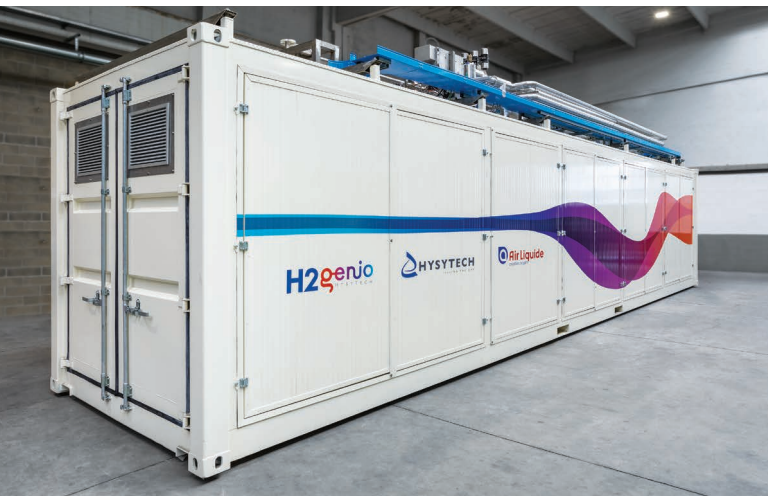
HYDROGEN GENERATION WITH FUEL PROCESSING TECHNOLOGY

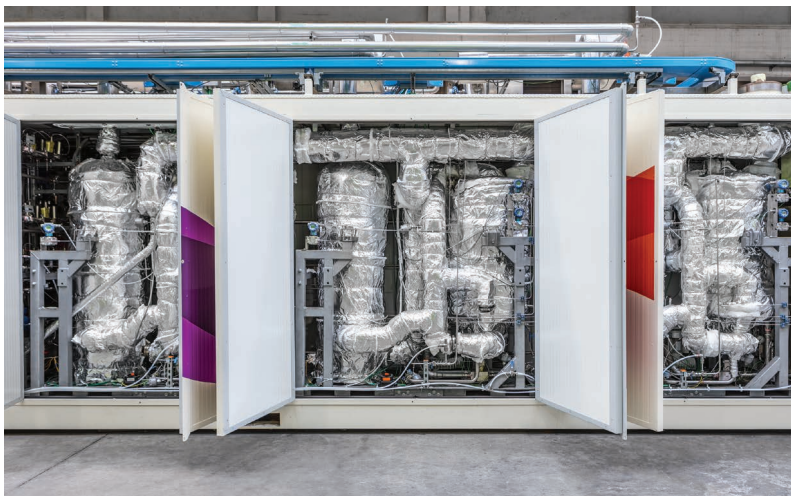
Caratteristiche:

- La tecnologia Hysytech per lo "Steam Reforming" a bassa pressione viene impiegata per la produzione di idrogeno ad alta purezza.
- Questo processo si caratterizza per l'impiego di Gas Naturale o Biogas, con un bassissimo fabbisogno elettrico, comportando costi minimi d'installazione e di esercizio.
- Possibilità di installare più moduli in parallelo.

Features:

- Hysytech's low-pressure steam reforming technology is used to produce high-purity hydrogen.
- This process is characterized by the use of Natural Gas or Biogas, having a very low electrical requirement, with minimal installation and operating costs.
- Multiple modules can be installed in parallel.





DESIGN DATA		CONSUMPTION DATA			FOOTPRINT
Capacity [Nm3/h H2]	Capacity [kg/day H2]	Natural Gas [Sm3/h CH4]	Electrical Power [kWe]	Water [liters/h]	ISO [ft]
40	86	16,8	18	30	20
80	173	33,6	34	60	30
120	259	50,4	40	90	40
320	691	134	96	240	3x40
640	1.382	268	190	480	5x40

SPECIFICATIONS	
Hydrogen purity:	Standard design for 99,99% - 99,9999% (grade 4.0 - 6.0). Other upon request
Hydrogen Delivery Pressure:	Standard design 5-12 barg. Others upon request
Natural Gas Supply Pressure:	Standard design 0,020 - 0,500 mbarg. Others upon request

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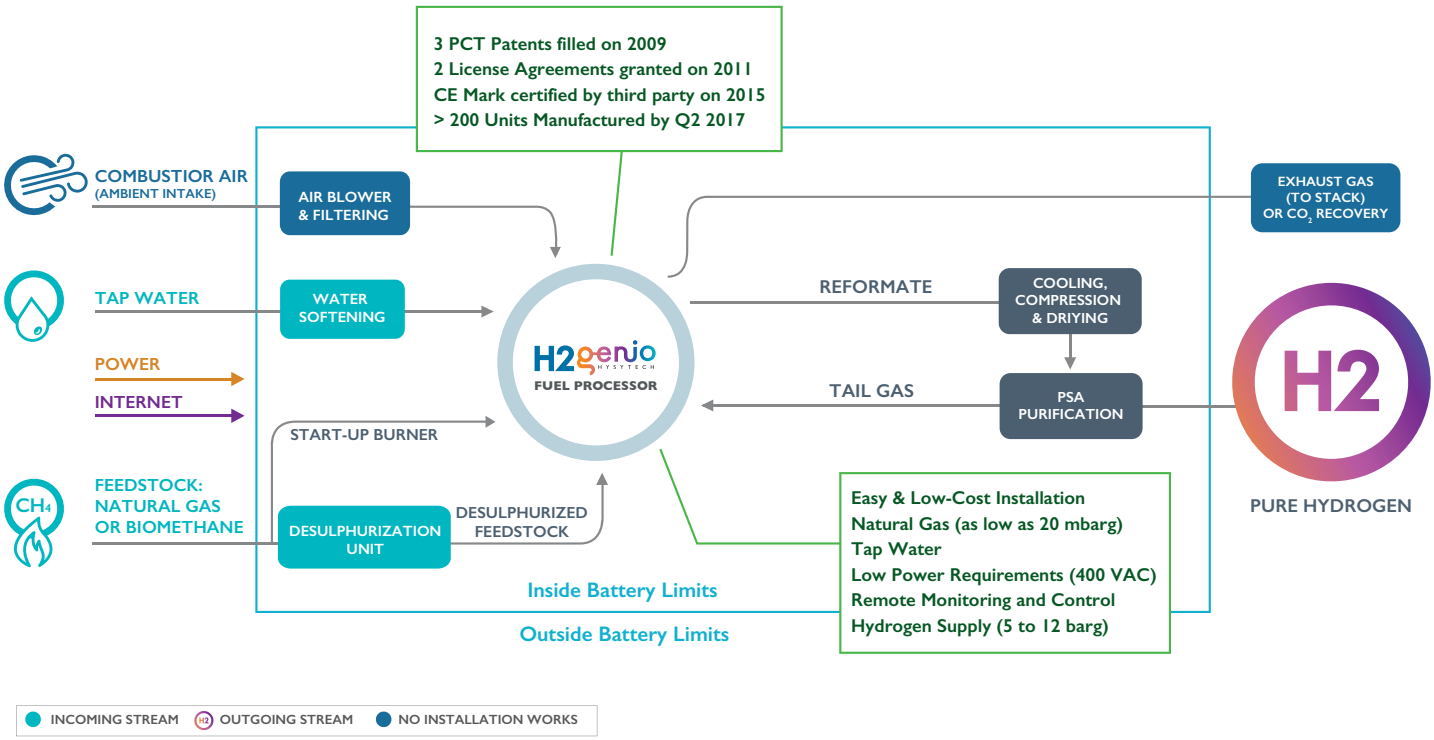

HIGH PURITY HYDROGEN FOR FUEL CELL CHP

Features:

- High Purity Hydrogen >99,9999%vol
- Capacity up to 40 Nm3/h
- Power Consumption <18 kW
- Delivery Pressure 6 barg
- Natural Gas feed:
  - Pressure <0,020 mbarg
  - Odorized Gas
- Fully automatic & unmanned

HIGH PURITY HYDROGEN FOR STEEL INDUSTRY

Features:

- High Purity Hydrogen >99,995%vol
- Capacity up to 120 Nm3/h
- Power Consumption <40 kW
- Delivery Pressure 11 barg
- Natural Gas feed:
  - Pressure <0,350 mbarg
  - Odorized Gas
- Fully automatic & unmanned