

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.



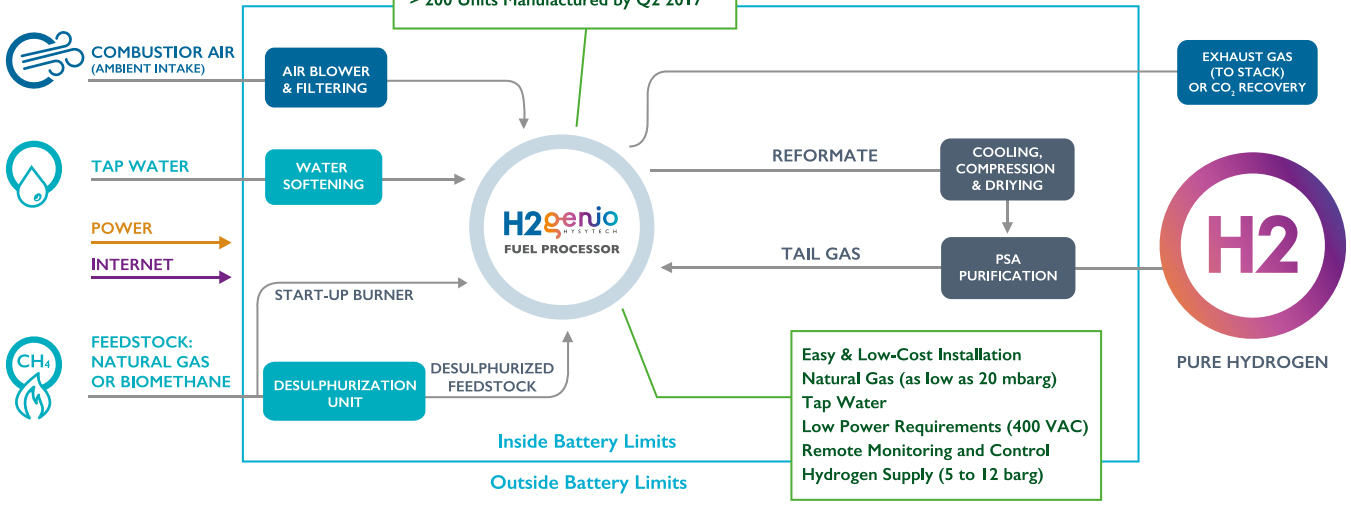
DESIGN DATA		CONSUMPTION DATA			FOOTPRINT
Capacity [Nm ³ /h H ₂]	Capacity [kg/day H ₂]	Natural Gas [Sm ³ /h CH ₄]	Electrical Power [kWe]	Water [liters/h]	ISO [ft]
40	86	16,8	18	30	20
80	173	33,6	34	60	30
120	259	50,4	40	90	40
320	691	134	96	240	3x40
640	1.382	268	190	480	5x40

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

H2genio

HYSYTECH

3 PCT Patents filled on 2009
 2 License Agreements granted on 2011
 CE Mark certified by third party on 2015
 > 200 Units Manufactured by Q2 2017



● INCOMING STREAM ● H2 OUTGOING STREAM ● NO INSTALLATION WORKS



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

