BayoTech
ON-SITE HYDROGEN

ON-SITE HYDROGEN PRODUCTION

POWERING THE GLOBAL ENERGY TRANSITION

BayoTech is an energy technology company offering hydrogen production solutions through sales, rentals, leases, and gas-as-a-service to customers worldwide. Headquartered and produced in New Mexico, USA, BayoTech's on-site hydrogen generators are more efficient than legacy steam methane reformers, leading to lower carbon emissions and low-cost hydrogen.

BAYOTECH VALUE

COST EFFECTIVE

- On-site hydrogen for less than $2/kg
- Lease, rental & gas-as-a-service options
- Upgrade on-demand

GUARANTEED PERFORMANCE

- 96% up-time performance guarantee
- Bundled maintenance and service program
- 24/7 remote monitoring

LOW/NO CARBON SOLUTION

- Eliminate liquification & transportation
- Use RNG to produce renewable hydrogen
- Ask us about carbon capture

HYDROGEN ON DEMAND OPTIONS

- Pay by the kilogram with gas-as-a-service
- No upfront capital requirements
- Bundle H_2 supply, compression, storage & dispensing

LOW-COST, LOW/NO CARBON HYDROGEN SOLUTIONS

SYSTEM SPECIFICATIONS

Quality Standard:	SAE J2719
Hydrogen Purity:	>99.999%
Output Pressure:	< 10 bar

BayoTech Model		H2-200	H2-500	H2-1000
Hydrogen Output	**(kg/day)**	**200**	**500**	**1,000**
	(scf/day)	**84,500**	**211,650**	**423,300**
	(Nm3/hour)	**93**	**232**	**464**
Utilities				
Natural Gas	**(mmbtu LHV/day)**	**34**	**85**	**169**
	(mmbtu HHV/day)	**38**	**94**	**188**
	(kWh LHV/day)	**9,930**	**24,830**	**49,650**
	(kWh HHV/day)	**11,000**	**27,500**	**55,000**
Sulfur	**(ppm)**	**< 10**	**< 10**	**< 10**
Pressure	**(psig)**	**170**	**170**	**170**
Power	**(kWh/day)**	**200**	**500**	**950**
Water, potable	**(gal/day)**	**525**	**1,300**	**2,600**
Water, discharge	**(gal/day)**	**250**	**625**	**1,250**

Emissions

CO_2 (Gross/Net):	**8.9-10.1 kg/kg H_2**
SO_X:	**Negligible, removed before conversion**
NO_X:	**Complies with local limits**
Noise:	**< 80 decibels at 20 feet**

scf measured at 1 atmosphere and 70°F and Nm^3 measured at 1 atmosphere and 0°C

Low-Cost, Low/No Carbon Hydrogen Solutions

BayoTech's on-site hydrogen generators leverage high heat recuperation to achieve greater energy efficiency.

Compact in size, our modular units tap into existing natural gas pipelines or co-located biogas resources, to site hydrogen production at the point of use, eliminating the cost and emissions of liquification and transportation.

Higher efficiency and avoided transport translate into a lower carbon footprint. Carbon intensity can be further reduced or go negative by using biomethane or adding carbon capture.

Contact BayoTech:

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SCAN ME

BayoTech is a Proud Member of

FCHEA Fuel Cell & Hydrogen Energy Association

CTE CENTER FOR TRANSPORTATION AND THE ENVIRONMENT

UKHFCA

CENTER FOR Hydrogen SAFETY

THE COALITION FOR RENEWABLE NATURAL GAS