



# HYDROGEN BLENDING

FOR NATURAL GAS UTILITIES

*Solutions to Support a Low Carbon Future*

[www.bayotech.us](http://www.bayotech.us)

Solutions for Gas Utilities

# JOIN THE HYDROGEN REVOLUTION

BayoTech provides solutions to support natural gas utilities' transition into hydrogen blending.

# ADVANCING THE ENERGY TRANSITION

Increasingly, natural gas utilities are looking to hydrogen to support environmental initiatives. Hydrogen can be injected into natural gas pipelines, and the blend – **up to 20% by volume** – can then be used by conventional end users of natural gas for power, heat and cooking. Blending hydrogen with natural gas reduces the greenhouse gas intensity of the natural gas stream.

## Key Benefits



### EMISSION REDUCTION

Blending hydrogen with natural gas creates a cleaner burning fuel and increases the renewable content of the gas delivered through natural gas infrastructure.



### LEVERAGE EXISTING INFRASTRUCTURE

Continue to leverage valuable energy and infrastructure assets, including fossil fuel reserves and natural gas pipelines while playing a key role in the clean energy transition.



### UNLOCK ADDITIONAL VALUE

Demand for hydrogen to fuel a range of applications is growing. Become a hydrogen producer to serve these emerging markets in transportation and industry.



# BAYOTECH

## PRODUCT PORTFOLIO

BayoTech is a leader in hydrogen solutions and able to support this initiative every step of the way. Solutions range from pre-mixed hydrogen/natural gas blends to full scale, on-site hydrogen production from natural gas.

### Pre-Mixed H2/NG Blends

- Start with low volume deliveries of blended hydrogen and natural gas, pre-mixed to your specifications.
- Supplied in compact, high-pressure gas transport trailers.
- An ideal way to test how blend ratios affect appliances and other equipment.

### Hydrogen Fuel Supply

- Scale up your hydrogen blending with high-purity hydrogen delivered in BayoTech HyFill™ transport trailers.
- Get dependable access to hydrogen with the flexibility to meet fluctuating demand.
- Suitable for pilot programs to test the blend in small segments of the distribution system that serves customers.

### Hydrogen Production

- As demand continues to grow, integrate BayoTech’s on-site hydrogen generation system into your infrastructure.
- Compact in size, the modular systems tap into existing natural gas pipelines to produce up to 5,000 kilograms of hydrogen per day.



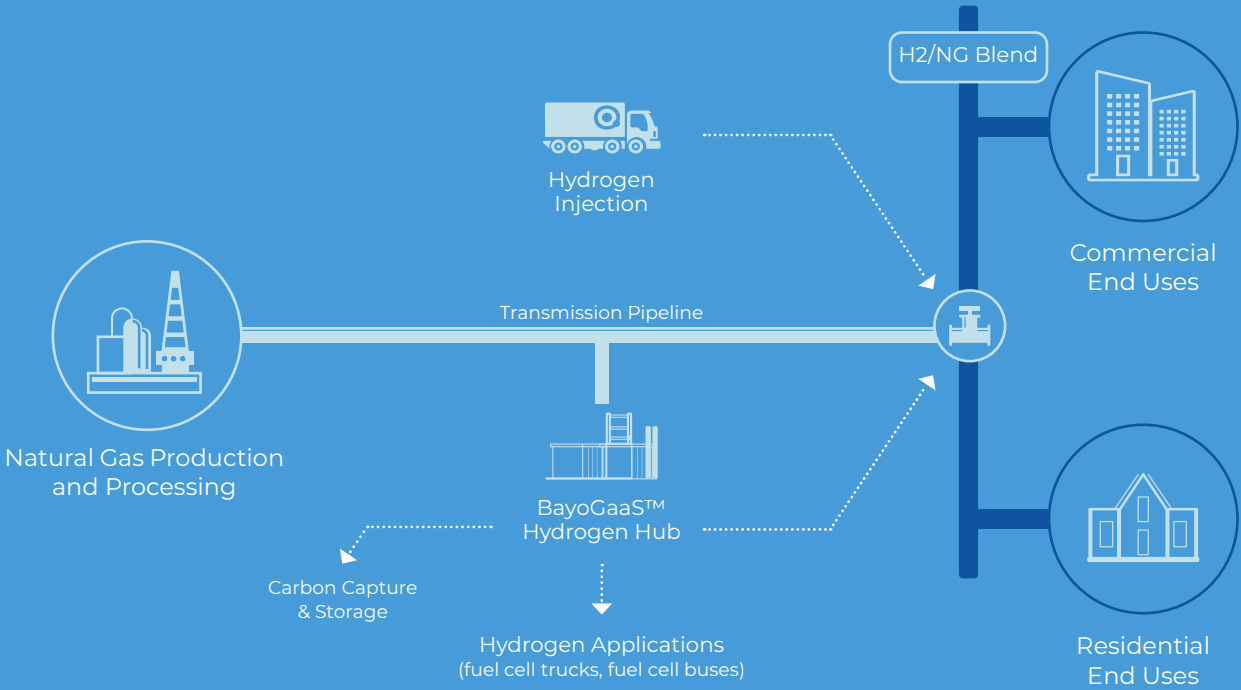
▶ BULK TRANSPORT TRAILER



▶ HYDRDROGEN GENERATION



▶ GAS TRANSPORT MODULE



Solutions for Gas Utilities

# YOUR TRUSTED HYDROGEN SOLUTIONS PROVIDER

BayoTech, an innovator in hydrogen solutions, is committed to addressing the global need for low-cost, low-carbon hydrogen.

BayoTech's steam methane reformers are more energy efficient than traditional hydrogen production. Our proprietary design leverages high heat recuperation to achieve greater energy efficiency, saving money and reducing carbon footprint.

Looking to go greener? BayoTech's systems can use biomethane (RNG) derived from biogas as a feedstock, significantly reducing the carbon intensity of hydrogen production. BayoTech partners with leaders in carbon capture technology that integrates with our hydrogen generation systems for even lower carbon intensity.

**Contact us today at [www.bayotech.us](http://www.bayotech.us).**

BayoTech, Inc.  
8601 Paseo Alameda NE, Ste B  
Albuquerque, NM 87113  
[marketing@bayotech.us](mailto:marketing@bayotech.us)  
(505) 639-9238