

OVERVIEW OF BAYOTECH

At BayoTech, we're pioneering a path to a cleaner, greener future. We're driven by innovation and a commitment to making sustainable energy solutions accessible.

As a leader in the hydrogen industry, we're proud to offer a wide range of technologies and services. Our mission is to provide environmentally responsible and affordable hydrogen supply solutions for a world that demands cleaner energy options.

Explore our journey and learn more about what makes BayoTech the partner of choice for a hydrogen-powered future.



TIMELINE OF MILESTONES

2015

Our Journey Begins

BayoTech is founded with a vision to revolutionize hydrogen production. BayoTech's innovative technology came originally out of Sandia National Laboratories in New Mexico.

Innovating the Future

BayoTech files four new patents to enhance our steam methane reforming technology, setting new standards for hydrogen production efficiency.

2020

2021

Expanding Horizons

BayoTech acquires IGX Group, broadening our product offerings to include hydrogen transport and storage solutions.

Breaking Ground

BayoTech breaks ground on its first fully commercialized hydrogen hub in Wentzville, Missouri, a pivotal step toward realizing a cleaner and more sustainable hydrogen economy.

2022

2023

Mobilizing Hydrogen

Transport BayoTech proudly delivers its 700th hydrogen transport trailer, ensuring reliable hydrogen supply solutions nationwide.

A Historic Milestone

BayoTech officially opens its first fully commercial hydrogen production facility in Wentzville, Missouri, marking a turning point in our mission to shape the future of clean energy.

NOV
2023

MEET OUR PARTNERS

Nikola Motors

Collaborating to make hydrogen-electric transport a reality, reducing the carbon footprint of trucking.

Plug Power

Pioneering the adoption of hydrogen solutions for various industries to create a more sustainable future.

American Center for Mobility

Partnering to innovate in autonomous and connected vehicle technologies for cleaner, safer transportation.

Opal Fuels

A nationwide leader in the production and distribution of low-carbon intensity renewable natural gas (RNG).

Ranken Technical College

Working together to educate and certify a new generation of skilled workers to support the hydrogen industry.

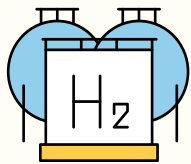
Emerson

Leveraging their expertise in automation solutions to drive efficiency in hydrogen production and delivery.

INSIDE BAYOTECH

Our culture is rooted in innovation, sustainability, and collaboration. At BayoTech, you'll find a dynamic and supportive workplace where we value our team members and their diverse perspectives. When you join BayoTech, you're becoming a part of a team that's making a difference. **We encourage you to explore our opportunities and learn how you can contribute to our mission.**

INNOVATIVE TECHNOLOGIES



Hydrogen
Production

Hydrogen Production: Our state-of-the-art hydrogen production systems are smart, compact, and highly efficient, designed to scale to the growing hydrogen economy. BayoTech's compact, modular and scalable steam methane reformers are more energy efficient than traditional hydrogen production. Building on technology first developed by Sandia National Laboratory, BayoTech's proprietary design leverages high heat recuperation to achieve greater energy efficiency. Our patented reformer uses 20-30% less energy, saving money and reducing carbon footprint.



Gas Transport
Trailers

Gas Transport Trailers and Storage Pods: BayoTech's high-pressure, Type III cylinder-based solutions enable more compressed gas to be stored and transported in a smaller footprint than any other technology. Higher payloads per trailer mean more sites can be refueled per trip lowering transportation costs, maximizing driver productivity and lowering emissions.



NorAm
Valves

NorAm Valves: Through its subsidiary, NorAm Valves, BayoTech designs and fabricates its proprietary valves and thermal protection systems. These devices are integrated into BayoTech's compressed gas transport and storage solutions, enabling higher gas utilization and exceptional safety. Now original equipment manufacturers can also integrate these industry-leading components into their cylinder-based storage and transport equipment designs.

Did You Know?

BayoTech was the official hydrogen sponsor of the 66th annual Gordon Bennett Race at the Albuquerque International Balloon Fiesta! This race is unique in that it relies on gas balloons filled with hydrogen, which are distinct from traditional hot air balloons.



We've supplied hydrogen via our GTM (Gas Transport Module) to the world's first hydrogen fueling of a commercial marine vessel. The 75-passenger ferry, called the Sea Change, received hydrogen into its 242 kg tanks on the upper deck. It uses that hydrogen in fuel cells producing electricity to power electric motors for distances up to 300 nautical miles, and speeds up to 20 knots – similar capabilities as diesel-powered vessels – with the added benefits of zero exhaust smoke or other emissions and very little vibration and noise.



BayoTech has even provided hydrogen in the middle of the desert! We helped support the fueling for Renewable Innovations mobile energy command system for the annual Rebelle Rally. The race takes place across 2,500 kilometers of the California/Nevada desert.