

ACCELERATING HYZON'S TEST TRACK NEEDS

Making
Hydrogen
Easy

OVERVIEW

Hyzon Motors is a global supplier of zero-emissions hydrogen fuel cell powered commercial vehicles, including heavy duty trucks, buses and coaches. Hyzon's heavy-duty trucks feature the world's highest power density fuel cells, offering unrivalled performance and operational efficiency – with driving range of 250mi-380mi (400km-600km) per fill. To ensure the reliability of their vehicles and provide insight into future improvements Hyzon has been utilizing their Michigan Technical Resource Park (MITRP) to test their hydrogen fueled semi-trucks.

The goal of the current phase of testing is to prove out the controls strategy, performance and structural stability of the vehicles. This is accomplished through high-mileage accumulations (~250-500 miles) in the loaded and partially loaded states. Performance tests such as hill hold, hill climb, braking stopping distances, water intrusion, and durability events are conducted at the track.

With no readily available source of hydrogen nearby the track, delivering hydrogen when and where it was needed was a major obstacle for the Hyzon team. Another struggle was ensuring the availability of high-volume hydrogen transport trailers. With the hydrogen space still growing it was difficult for them to find a dependable source of hydrogen and hydrogen transportation to meet their needs.

To achieve this, Hyzon looked at several options. Ultimately BayoTech's GTM1500-750, and attentive customer support team was chosen to support their hydrogen needs.

KEY CHALLENGES



Hydrogen availability and variable production status of hydrogen to ensure a constant source of fuel to power the vehicles.



Accessible and deployable hydrogen supply that can be transferred between testing track locations.



Availability of high volume hydrogen transport trailers that can also serve as storage systems.



THE SOLUTION

BayoTech's GTM1500-750 can carry up to three times more fuel than standard steel-tube hydrogen transport trailers. This provided Hyzon with ample fuel for their testing purposes without the need to coordinate continuous refueling trips over long distances. The mobility of logistics and support of delivery was vital in ensuring successful tests at the Michigan Test Track. Paired with BayoTech's customer service, Hyzon's needs were always met with quick responses and solutions.

RESULTS

Due to the ease-of-use that BayoTech's equipment provided, Hyzon is increasing their usage of the GTM1500-750 trailers from one to three. Two trailers will be utilized across both Hyzon test facilities while the third will be located at their production facility.

BayoTech continues to be a reliable partner for Hyzon and has helped lead to the expansion of services. With the dynamic demand for hydrogen, BayoTech has been consistent in matching the resource allocation that Hyzon needs.

THE BAYOTECH SOLUTION

Whether you're trialing your first fuel cell truck or operating a full fleet, BayoTech has the right hydrogen fueling solution. BayoTech's range of flexible, modular and scalable infrastructure solutions grow with your fleet. Leave the details of hydrogen supply to us and focus on what you do best – providing exceptional transit services.



For more information visit: www.bayotech.us

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