

TECHNOLOGY SOLUTIONS

HTEC delivers engineered solutions, packaged products and strategic support, to customers in North America. We are continually expanding our suite of technologies and internal expertise to provide world-leading, cost-effective, and reliable hydrogen technology solutions.



Engineered Solutions

HTEC works with transit agencies, industrial companies, fleet owners and other businesses looking for innovative and cost-effective solutions to transition to environmentally conscious operations. We provide clean hydrogen fueling solutions by developing customized and comprehensive engineering solutions which support our clients' unique requirements.

Our engineering solutions services leverage latest technologies to improve efficiency, provide real-time performance data and analytics to help make informed decisions and significantly enhance operational reliability.

As part of our suite of offerings, HTEC provides design services, owners representation and technical supports. Another key offering under our services is Procurement. From mobile, light-, medium- or heavy-duty station applications, we find the most-fitting station products to suit the customer's needs based on operating our own network for over 4 years.

Packaged Products

PowerCube Hydrogen Distribution System: HTEC's 450-bar modular hydrogen storage system—approved by Transport Canada and the US Department of Transportation—can be used for distribution, ground storage, or as part of a mobile fueling system when integrated with HTEC's PowerFill Gas Transfer Module. Since 2012, HTEC PowerCubes have delivered more than 100,000 kilograms of hydrogen.

PowerFill Gas Transfer Module: A mechanical hydrogen dispenser capable of fueling H₂ vehicles of various storage sizes including yard and drayage trucks, buses, and long-haul tractors, as well as providing backup fueling for light-duty vehicles.



Strategic Support

HTEC provides comprehensive market analysis and modeling that informs strategic direction for industry and sector development, project & consortia development, and business development. Deliverables are typically in the form of hydrogen roadmaps, reports, studies and strategies.

Project Examples

Twin Transit Project

HTEC is working with Twin Transit to design and develop a fully integrated temporary hydrogen compression, storage, and dispensing solution in Washington. Acting as the owner's representatives, we are providing support with engineering, procurement, and project management services.



ZECAP/Port of Los Angeles Project

HTEC delivered a fueling solution for a trial of two hybrid fuel cell yard trucks, utilizing our PowerCube modular storage system and PowerFill high-volume gas transfer module.



Quebec Containerized Fueling Station

HTEC designed and built this first-of-a-kind station in Quebec for Toyota and continues to provide operational support. It is a semi-mobile station that provides up to 75 kilograms per day of hydrogen storage.



Contact HTEC about your hydrogen projects and needs today.

info@htec.ca • 604.904.0412 • htec.ca

HTEC: Fueling the Drive to Hydrogen

HTEC works across the clean hydrogen value chain, providing hydrogen energy solutions to enable the transportation sector's transition to a low carbon future. The company designs, builds, owns and operates hydrogen fuel production, infrastructure and

supply solutions to support the deployment of hydrogen electric light-, medium- and heavy-duty transportation.

www.htec.ca

