



Fueling Flexibility

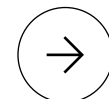
Mobile Hydrogen Solutions

As organizations work toward zero-emission goals and respond to evolving state rules around lower carbon emissions, mobile hydrogen refueling offers a smart and flexible way to build clean fuel infrastructure.

Mobile fuelers offer an immediate approach to addressing market demand, enabling a phased rollout during the comprehensive planning and development of permanent stations. They're ideal for pilot programs, remote sites, and temporary events. These systems are quick to deploy, simpler to permit, and can be placed where they're needed most.

Our team helps clients move forward with sustainability goals while navigating permitting and operational challenges with confidence.

Stantec's mobile refueling solutions support sustainability goals and streamline permitting and operations



Comprehensive Project Lifecycle

Stantec combines deep industry experience with specialized skills to support clients at every stage of the project lifecycle. Our team is particularly adept at temporary hydrogen fueling deployment, offering rapid mobilization and seamless integration for pilot programs, remote sites, and short-term operational needs.

With solutions designed for speed and adaptability, we enable clients to quickly respond to evolving requirements, deploy infrastructure where it's needed most, and adjust as project demands change. By tailoring our approach to each client's goals, we help organizations achieve efficient, effective outcomes whether for temporary or permanent hydrogen fueling infrastructure.

Project Delivery

Site Selection and Feasibility

Techno-Economic Assessment

Permitting Strategy & Execution

Site Development & Integration

Supply Chain Management

Construction & Commissioning Support

Post Construction Support

Why Mobile Hydrogen?

Fast Deployment: Delivered with short lead times; ideal for temporary or initial rollouts.

Flexibility: Repositionable units for changing operational needs or evolving infrastructure.

Sustainability: Supports zero-emission goals and carbon neutrality targets.

Permitting Simplicity: Often easier than permanent stations, especially with pre-approved templates.

Infrastructure Gap Solution: Enables fueling in areas without permanent hydrogen infrastructure.

Cost & Time Savings: Reduces capital and permitting burdens associated with fixed stations.

Fleet Support: On-demand refueling for commercial fleets at depots or operational sites.

On-Site Fueling: Suitable for construction, material handling, and remote operations—similar to diesel delivery models.

Strategic Applications

- Pilot Programs
- Remote Sites
- Event Venues
- Construction Zones
- Fleet Depots
- Ports and Logistics Hubs



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