Powertech
The Power of Trust. The Future of Energy.

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FOR IMMEDIATE RELEASE

Powertech Labs unveils the industry's first smart, high-capacity (1,050 kg), high-pressure (517 bar) hydrogen tube trailer at ACT Expo 2026.

A safety-first, high-capacity, high-pressure design delivering up to 1,050 kg per load and enabling one of the lowest transportation costs per kilogram.

LAS VEGAS, Nevada — May 4, 2026 — Powertech Labs unveils the first smart, high capacity (1,050 kg), high pressure (517 bar) hydrogen tube trailer at ACT Expo 2026, designed to help scale hydrogen distribution by delivering more hydrogen per trip while lowering transportation costs per kilogram.

The trailer is the highest-capacity hydrogen tube trailer currently available in its class, capable of transporting 1,050 kg of gaseous hydrogen at 517 bar on a 48-foot chassis with the use of Type 4 carbon fiber tube technology. By delivering more hydrogen per trip, the system reduces transportation costs per kilogram while improving operational efficiency for hydrogen producers, distributors, and fleet fueling operators. *"For more than 25 years, Powertech Labs has built its reputation on a safety-first approach to the design, testing and validation of critical energy infrastructure. That commitment carries through to this achievement—the hydrogen industry's first smart high capacity (1,050 kg), high pressure (517 bar) hydrogen tube trailer—focused on what truly enables scale: practical logistics and predictable cost. This trailer moves more hydrogen per trip to reduce delivered cost per kilogram, while staying true to the safety principles that have defined Powertech for decades."* said Pierre Poulain, President & CEO of Powertech.

A defining feature of the trailer is its open-frame architecture with just 16 tubes (separated into 2 modules). By significantly reducing the number of connections, the design minimizes potential leak points while keeping all tubes fully visible and unobstructed. This open configuration improves ventilation, enables clear visual inspection, and simplifies access for monitoring and maintenance—supporting safe operations during transport, loading, and offloading.

An onboard control system continuously monitors pressure, temperature, flow, and overall system health. During loading and offloading (decanting), the system provides real-time control and oversight and is designed to automatically close isolation valves if operating conditions approach predefined safety thresholds. This reduces reliance on manual intervention, minimizes the potential for human error, and reinforces the trailer's safety-first design approach. operating philosophy. Typical loading and offloading cycles are completed in approximately two hours, enabling use of the trailer's full capacity.

Beyond high-capacity transport, the trailer enables flexible fueling configurations. When paired with Powertech's H35 dispenser, it can directly cascade fuel to H35 (35 MPa / 350-bar) hydrogen vehicles without the need for onsite compression infrastructure. The trailer's automation system

optimizes cascade performance, enabling delivery of up to 750 kilograms of hydrogen at 517 bar. This capability makes the system well suited to early-stage hydrogen mobility projects, transit agencies, fleet operators, and temporary or mobile fueling deployments.

Powertech Labs' smart hydrogen tube trailer is positioned as a practical bridge between pilot deployments and scaled hydrogen infrastructure—effectively serving as a mobile hydrogen pipeline. Certified by DOT, Transport Canada, ABS, and ISO 11515, the trailer modules are approved for road, rail, and marine applications. Designed, built, and tested to Powertech's highest safety and quality standards, the trailer will enter the market at ACT Expo 2026, marking its first major public industry showcase.

About Powertech Labs

Powertech Labs is a leading engineering and testing organization supporting the safe deployment of energy infrastructure. The company provides independent testing, technical services, and integrated solutions across power systems, clean energy, and hydrogen technologies, helping clients move new energy systems from development to commercialization with confidence. *The Power of Trust, the Future of Energy.*

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