

Project Engineer — Build the future of energy!

Company: Hydrogen In Motion (H2M)

Role Type: Full-time

Location: Burnaby, BC, Canada

Reports to: Director of Projects

Salary Range: \$85,000 - \$95,000 annually, plus benefits.



About H2M

Hydrogen In Motion (H2M) has developed a patented carbon-based nanomaterial capable of adsorbing and storing hydrogen at low pressure (50 bar) and ambient temperature, fundamentally changing the landscape of hydrogen storage and transport.

We recently secured a NATO DIANA innovation contract to accelerate commercialization efforts and demonstrate our Infrastructure Independent Energy (IIE) concepts in real-world applications. As a woman-owned and woman-led company, we value diversity and are scaling rapidly, this is your chance to help shape the future of clean energy.

The Role

H2M is seeking a versatile **Project Engineer** with broad theoretical and practical engineering skills and a strong bias toward “*getting to done.*” You will design, build, integrate, and test hydrogen-related systems ranging from 1 kW to 100 kW, incorporating technologies such as electrolyzers, fuel cells, sensors, actuators, thermal management and embedded controls.

You’ll work across multiple disciplines—mechanical, electrical, controls, pneumatics, and hydraulics—to support equipment development efforts, field deployments, and demonstrations across diverse use cases including charging equipment, IIE systems, and retrofits for vehicles and vessels. Domestic and international travel (up to 15%) will be required to support field deployments and demonstrations.

Key Responsibilities

Design & Engineering

- Develop equipment and system designs, including engineering drawings, calculations, and BOMs
- Produce technical project deliverables (documentation, drawings)
- Support rapid concept development and create preliminary 3D models for Business Development needs

System Integration & Build

- Build, assemble, and integrate electro-mechanical, pneumatic, and hydraulic systems
- Integrate third-party components such as fuel cells and electrolysers
- Develop bespoke components when needed

Testing & Troubleshooting

- Conduct system testing based on engineering requirements
- Analyze system performance data and resolve technical issues

Project Execution

- Work within defined scope, schedule, and budget constraints
- Assist with procurement, including sourcing, quoting, and purchase recommendations
- Support field deployments and demonstrations of H2M technology

Continuous Improvement

- Contribute to quality, safety, and process improvement initiatives

Required Skills & Experience

- Bachelor's degree in Mechanical, Mechatronics, Robotics, Computer Systems or Electrical Engineering
- 5+ years of commercial experience working with 1kW to 100kW systems
- Strong 3D CAD modelling skills (electro-mechanical systems)
- Demonstrated ability to deliver project outcomes on time
- Rapid prototyping and product development experience
- Hands-on field experience deploying and operating equipment
- Strong documentation and communication skills using MS Word, Excel and PowerPoint

Desirable Skills & Experience

- 3D printing
- Welding & metal fabrication

- Experience working with pressurised hydrogen or other gas equipment
- Familiarity with fuel cells, electrolyzers and associated test systems
- Familiarity with CSA, ISO, or NFPA hydrogen safety standards
- Experience with solar or other clean energy technologies
- Design & operation of autonomous systems, especially power sub-systems
- Ability to use AI tools effectively

How to Apply

Please email the following to projecteng@hydrogeninmotion.com :

- Cover letter – why are you a fit for this role? Provide 2-3 examples of projects where you integrated multi-disciplinary systems.
- Resume & LinkedIn profile
- Portfolio, project examples, or website links showcasing relevant work