SHAREHOLDER & WELL-WISHERS NEWS UPDATE

October 26, 2026 | Sidney, British Columbia, Canada

Empire Hydrogen Ranked No. 1 in International Review of Hydrogen-on-Demand Technology Manufacturers

An independent international industry review, undertaken following a Swiss financial institution's reported three-year research assignment, ranks Empire Hydrogen first among eight hydrogen-on-demand manufacturers from seven countries.

An Exciting Milestone for Empire Hydrogen

Empire Hydrogen Energy Systems Inc. is delighted to share encouraging news with our valued shareholders, supporters, customers, and well-wishers. We understand that the principal of EcoMod Systems was retained by a Swiss bank to undertake an international review of the hydrogen-on-demand industry over approximately three years, with the objective of identifying leading technology and manufacturers worldwide. This background makes the findings particularly noteworthy.

We have now received EcoMod Systems' signed seven-page report, Review of HHO Systems and Manufacturers, dated October 18, 2026. EcoMod is based in Columbus, Ohio, USA. A copy of the original report is enclosed with this news update.

In this structured international comparison, **Empire Hydrogen was ranked No. 1, achieving an overall score of 84 out of 100**, ahead of seven other hydrogen-on-demand (HHO) system manufacturers.

The findings are particularly meaningful because the assessment was conducted outside Empire Hydrogen, following a broader international review of the industry.

To be absolutely clear, Empire Hydrogen did not commission or pay for this review, retain EcoMod for a marketing campaign, or request a promotional endorsement. This is not an Empire Hydrogen advertisement. We understand the underlying research assignment originated with an independent Swiss financial institution, not with Empire Hydrogen.

There is no partnership or joint venture between EcoMod Systems and Empire Hydrogen represented or announced in this news update. The assessment draws on technical documentation, company records, patents, publicly available information, and customer references.

For Empire Hydrogen, the findings represent encouraging external recognition of the work, commitment, and practical engineering experience built over many years.

Empire Hydrogen Leads the International Comparison

EcoMod evaluated eight manufacturers from Canada, the United States, Italy, Bulgaria, Australia, China, and India against nine weighted criteria.

The top three results were:

Ranking	Manufacturer	Country	Score
1st	**Empire Hydrogen Energy Systems Inc.**	**Canada**	**84/100**
2nd	dynaCERT Inc.	Canada	76/100
3rd	HTi1	Italy	44/100

The review considered technology and safety, materials and build quality, climate resilience, operational suitability, manufacturing, technical know-how, intellectual property, business partnerships, and available independent evidence.

What makes this result particularly encouraging is that Empire Hydrogen received the highest scores in three important areas: **climate and durability, operational loads and applications, and technical know-how and field experience.**

These are areas shaped by practical deployment, customer feedback, and years of refining technology under real operating conditions.

Recognizing More Than a Decade of Innovation and Field Experience

One of the most encouraging observations in EcoMod's review was its recognition of Empire Hydrogen's customer-driven development approach.

Rather than developing technology exclusively in a laboratory environment, Empire Hydrogen has continually refined its systems through real-world applications involving fleet operators, transportation companies, heavy equipment, generators, and marine operations.

EcoMod specifically recognized several important strengths:

- **Real-world development since 2009:** Continuous improvements informed by operating experience and customer feedback.
- **Durability in challenging environments:** Engineering designed to withstand cold weather, vibration, dust, and demanding operating conditions.
- **Safety-focused design:** Multiple protective features, including patented blow-back protection and low-pressure, on-demand gas generation.
- **Canadian manufacturing:** In-house design, assembly, and testing in Sidney, British Columbia.
- **Intellectual property:** Four granted patents in the United States and Canada, as identified in the review.
- **Diverse applications:** Experience with commercial vehicles, heavy-duty equipment, generators, and marine engines.

The report also acknowledges the contribution of fleet operators whose operational feedback has helped shape the evolution of Empire Hydrogen's technology.

This reinforces one of our longstanding beliefs: **meaningful innovation comes not only from engineering design, but also from listening to customers and learning from real-world experience.**

Why This Third-Party Assessment Matters

In an emerging technology industry, technical claims and marketing statements are common. However, documented experience, product history, customer references, and a structured external evaluation can provide a more meaningful basis for comparing manufacturers.

EcoMod's review examined nine technical and commercial criteria, assigned weighted scores, and distinguished documented information from unsupported claims.

The international scope of the research, understood to have originated from a Swiss bank's independent inquiry into the industry, adds significance to the findings. Empire Hydrogen did not prepare or commission the manufacturer ranking.

The ranking should be read as an external comparative assessment, not as paid promotion, a certification, or evidence of any commercial relationship between Empire Hydrogen and EcoMod.

At the same time, we recognize the distinction between a third-party review and independently measured product performance. EcoMod's assessment was a desk review of available documentation, including information supplied by Empire Hydrogen. It did not involve physical product testing or a production-site audit.

The report also identifies independent fuel-consumption testing using the SAE J1321 standard as an important next step.

We welcome this clear, evidence-based approach and view it as an opportunity to continue strengthening the technical validation of our systems.

A Positive Signal for Our Future

We believe this international recognition is an encouraging development as Empire Hydrogen continues exploring opportunities with fleet operators, industrial customers, distribution partners, and potential strategic collaborators.

Being ranked first in EcoMod's comparative review provides an additional external reference for discussions surrounding our technology, engineering capabilities, manufacturing experience, and commercial development.

Although the assessment does not guarantee future commercial outcomes, it reinforces our confidence in the foundation we have built and the opportunities ahead.

Our focus remains on advancing technical validation, supporting customers, improving our systems, expanding market awareness, and building partnerships that can contribute to long-term growth.

A Heartfelt Thank You

This recognition belongs to everyone who has contributed to Empire Hydrogen's journey.

We extend our sincere appreciation to our shareholders for their continued confidence, to our customers for their trust and operational feedback, and to our employees, technical contributors, directors, partners, and well-wishers for their unwavering support.

Building an innovative technology company requires persistence, patience, teamwork, and a shared belief in what can be achieved.

Today's recognition is not the finish line. It is another encouraging milestone in Empire Hydrogen's journey toward wider adoption of practical fuel-efficiency and emissions-reduction technologies.

We look forward to sharing further developments as our journey continues.

Together, we are building for the future.

With appreciation,

Sven Tjelta
Chairman
Empire Hydrogen Energy Systems Inc.

Empire Hydrogen Team
Sidney, British Columbia, Canada

About the EcoMod Review

Source: EcoMod Systems, "Review of HHO Systems and Manufacturers," October 18, 2026, signed by Alexander Kopp.

The assessment compared eight manufacturers from seven countries using nine weighted evaluation criteria. Scores reflect information available as of October 17, 2026. The enclosed report explains its methodology and limitations. It is a documentary comparison, not physical product testing, a certification, or independent verification of fuel savings. According to information provided to Empire Hydrogen, EcoMod's principal conducted the broader industry research following an assignment from a Swiss financial institution over roughly three years.

Enclosed with this news update is the complete, signed seven-page EcoMod Systems report, "Review of HHO Systems and Manufacturers," dated October 18, 2026. We encourage our shareholders and well-wishers to read the original report, including its evaluation methodology, detailed rankings, findings, and stated limitations, to gain a full understanding of EcoMod's assessment.