



**FIRST
HYDROGEN**

**FIRST
NUCLEAR**

For Immediate Release

TSXV/FHYD/OTC/FHYDF/FSE/FIT

FIRST HYDROGEN CORPORATE OVERVIEW AND BEYOND

VANCOUVER, BC, December 16, 2025 - First Hydrogen Corp. (“**FIRST HYDROGEN**” or the “**Company**”) (TSXV: FHYD) (OTC: FHYDF) (FSE: FIT) is pleased to provide an update on corporate developments. The Company is currently involved in advancing clean energy technologies for a zero-emission ecosystem.

Molten Salt Fuel Research

In the press release dated November 25, 2025, First Hydrogen announced the launch of a focused technical research program with the University of Alberta. The work is directed by Professor Muhammad Taha Manzoor and marks the first phase of a broader program on reactor fuel materials, design and design optimization for SMRs, with the goal of supporting First Hydrogen’s longer-term plan to pair firm, clean energy with green hydrogen production, data centres and AI-driven power demand.

Objective: The goal is to identify and recommend non-radioactive “surrogate” molten salt fuel mixtures that mimic the properties of actual uranium-bearing fuel salts.

Purpose: This initial phase is crucial for early lab-scale experimentation and prototype development, as it allows for research and de-risking without the regulatory and complexities associated with radioactive materials.

Next Steps: The outcome of this research will guide the Company’s next R&D activities, including lab setup, experimental planning and collaboration with material suppliers.

Long-Term Vision: The Company’s long-term vision is to pair the stable, clean energy from SMRs with electrolysis to produce green energy including green hydrogen, which would support data centres, AI infrastructure, and its hydrogen-powered fuel-cell vehicles.

First Hydrogen’s Broader Clean Energy Focus

First Hydrogen Corp., is a clean energy and technology company focused on vertically integrated green energy ecosystem, including:

Hydrogen energy: First Hydrogen has designed and built hydrogen-fuel-cell-powered light commercial vehicles (FCEVs) that have been successfully trialed with fleet operators and large multinational companies in the U.K.

Hydrogen Production & Distribution: developing green hydrogen production facilities and distribution networks.

SMR Integration: Utilizing its First Nuclear subsidiary to explore the integration of SMRs as a consistent, low-cost power source for green hydrogen production, especially for off-grid or remote industrial sites.

The Company views SMRs, particularly molten salt designs, as a key part of its strategy due to their enhanced safety features, efficiency, and ability to provide a consistent power source compared to intermittent renewables like solar and wind.

About First Hydrogen Corp. (FirstHydrogen.com)

First Hydrogen Corp. is a Vancouver, Montreal, Germany and London UK-based company focused on zero-emission vehicles, green hydrogen production and distribution. The Company has designed and built two hydrogen- fuel-cell-powered light commercial vehicles (“FCEV”). The FCEV are road-legal in the United Kingdom (excluding Northern Ireland) with 6,000 km of testing completed and have achieved a range of 630+ kilometres on a single refueling. The vehicles have successfully been trialled in real-world conditions with fleet operators in the United Kingdom.

About First Nuclear Corp. (FirstNuclear.com)

First Nuclear Corp. is committed to developing and commercializing advanced clean energy solutions, including green hydrogen produced by state-of-the-art Small Modular Reactors. The Company aims to provide scalable, sustainable, and economically viable alternatives to meet global climate goals and enhance energy security.

On behalf of the Board of Directors of

FIRST HYDROGEN CORP.

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