



CANADA A GLOBAL LEADER FUEL CELL TESTING AND CERTIFICATION

Canadian companies are world leaders in hydrogen and fuel cell testing and certification, supporting fuel cell research and development programs around the globe. Research organizations, material developers, stack manufacturers, and system integrators rely on Canadian firms for the most sophisticated array of industry-leading test stations and equipment. Canadian solutions are used to safely and accurately measure data to optimize fuel cells, batteries, reformers, ultracapacitors, electrolyzers and fuel cell electric vehicle performance.



GREENLIGHT INNOVATION

> www.greenlightinnovation.com

Greenlight Innovation manufactures the testing and assembly tools required to commercialize alternative energy technologies. Greenlight produces equipment used in the development and manufacture of hydrogen fuel cells, batteries and energy storage devices. Major automotive OEMs, leading universities, and research institutions rely on Greenlight's advanced testing and manufacturing equipment to provide world-class tools for their development and production programs.

With more than 1000 systems delivered to a global customer base, Greenlight is the industry leader in fuel cell testing solutions. Greenlight has partnered with the automotive solutions company AVL List GmbH to offer an advanced hydrogen fuel cell system development platform. This new product line will support the automotive industry's transition to the next generation powertrain.

> **Canadian hydrogen and fuel cells are an important piece to an environmentally sustainable future**

Bringing leadership and innovative solutions to the world.

HYDROGEN AND
FUEL CELLS

EXAMPLES OF INNOVATIVE COMPANIES INCLUDE:



CSA GROUP > www.csagroup.org

CSA Group's Transportation Fuels business unit is responsible for the performance testing of compressed hydrogen vehicle fuel systems and fuel system components to national and international standards and regulations, as well as to OEM-specific durability and lifetime endurance requirements. Transportation Fuels also offers technical information services, inspection and training related to hydrogen safety codes, standards and regulations.

CSA Group is a standards development organization (SDO) accredited both in Canada and the US. CSA standards are recognized around the world for their balance, technical superiority, and ability to meet the needs of industry, regulators, manufacturers and consumers.



INTERTEK CANADA > www.intertek.com/canada

Intertek is a trusted provider of quality and safety services for many of the world's leading brands and companies. Intertek provides expert technical services to a wide range of industries and markets. Intertek offers comprehensive testing and certification of hydrogen fuel components and fuel cell systems.

By leveraging Intertek's independent, third-party, technical expertise customers can focus on their core business while improving quality, lowering product development costs and business risks, and accelerating R&D and time-to-market.



POWERTECH LABS INC. > www.powertechlabs.com

Powertech Labs is recognized worldwide as the leading authority for the testing and certification of high pressure hydrogen fuel storage components and systems. Powertech Labs offer a one-stop-shop approach for businesses that require technical engineering expertise, standards and code testing, as well as quality testing and failure analysis services. Powertech provides specialized testing and investigation services to support electrical utilities' capital assets: generation, transmission and distribution, OEMs, automotive manufacturers, government and research organizations.

MORE FIRMS WITH TESTING AND CERTIFICATION EXPERTISE:

- > **CCS Global Group Inc.**
www.ccsglobalgroup.com
- > **Simulent Consulting Inc.**
www.simulent.com
- > **Tandem Technologies Ltd.**
www.tandemtech.ca
- > **Zen Clean Energy Solutions Inc.**
www.zenenergysolutions.com



THE CANADIAN HYDROGEN AND FUEL CELL ASSOCIATION

For more information about innovative Canadian hydrogen and fuel cells companies please visit > www.chfca.ca

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