

# CIMtech Green Energy Achieves IATF 16949 Certification, Enhancing Its Role in Hydrogen Fuel Cell Automotive Industry

*CIMtech Green Energy, one of Canada's top 10 manufacturing companies, has achieved the IATF 16949 Automotive certification.*

VANCOUVER, BRITISH COLUMBIA, CANADA, December 17, 2024 /EINPresswire.com/ -- CIMtech Green Energy, one of Canada's top 10

manufacturing companies, has achieved the IATF 16949 [Automotive](#) certification. This certification, which applies to organizations supplying parts to the automotive sector, guarantees that CIMtech's products meet the rigorous quality standards required for manufacturing



“As countries set net-zero targets and shift to clean energy in vehicles and equipment, our investment in new technology ensures we remain a key player in the global supply chain.”

*Dr. Paul Ghotra, Founder & CEO*

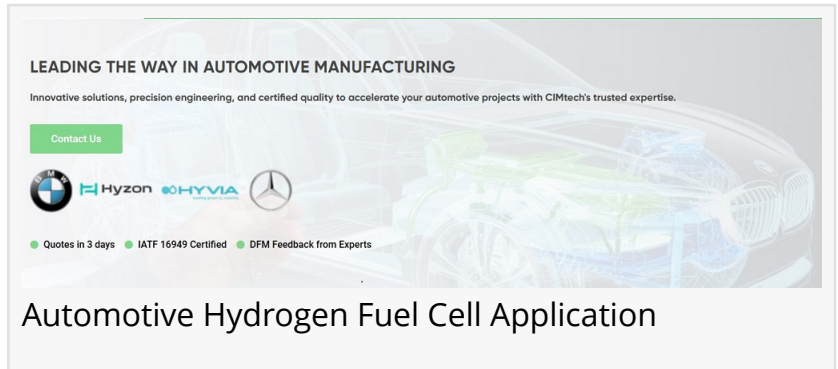
automotive components. It highlights the company's dedication to delivering high-performance [fuel cell](#) components that meet the demanding specifications of the hydrogen fuel cell automotive sector.

With over 20 years of experience in [CNC](#) machining and green energy solutions, CIMtech is committed to driving innovation and sustainability in the automotive industry. Achieving the IATF 16949 certification is a testament to the company's focus on continuous improvement, ensuring it can provide cutting-edge solutions that meet the demanding standards of the automotive sector. CIMtech's

newly expanded 20,000 sq. ft. manufacturing facility in Vancouver plays a key role in enabling the company to offer precision manufacturing across various industries, including automotive, aerospace, and energy.

## Fuel Cell Technology and the Automotive Industry

Hydrogen fuel cell technology is crucial to the global transition to clean energy, especially in the automotive sector. Fuel cell vehicles (FCEVs) offer advantages over battery electric vehicles



(BEVs), including faster refueling, longer driving ranges, and greater efficiency—particularly in heavy-duty applications such as trucks, buses, and other large vehicles. These zero-emission vehicles are critical for reducing global carbon emissions, especially in sectors where battery electric options may not be viable.

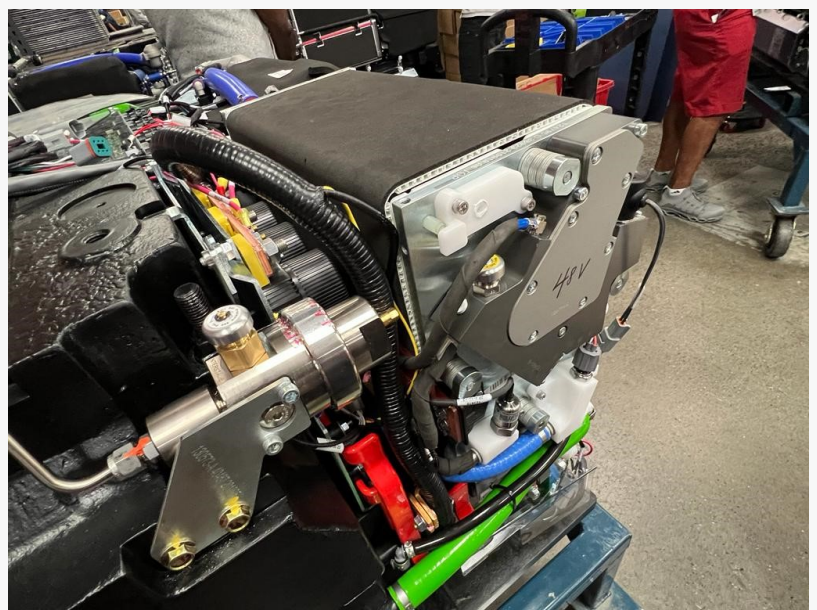
### Trusted Partner to Leading Automotive Manufacturers

CIMtech Green Energy is a key player in the shift to sustainable transportation, producing high-quality, precision-engineered fuel cell components and assemblies. The company partners with major automotive manufacturers, including Hyvia, Hyzon, BMW, Daimler Trucks, and hydrogen-powered forklift makers, to promote hydrogen as a clean alternative to fossil fuels. CIMtech's precision CNC-machined components ensure hydrogen fuel cells provide the energy and reliability the automotive industry requires. The company supplies critical components that help hydrogen-powered vehicles meet performance and reliability standards. With expertise in prototype development and large-scale production, CIMtech offers scalable solutions that help automotive clients stay competitive in a rapidly changing market.

### Advanced Manufacturing Capabilities

CIMtech has positioned itself as a premier provider of advanced manufacturing solutions for the automotive sector. The company offers a wide range of services, including precision CNC machining, injection molding, welding, fabrication, and 3D printing, all with a focus on meeting the automotive industry's high standards. CIMtech's capabilities in multi-axis CNC machining, 5-axis milling, CNC turning, and CNC grinding allow it to deliver high-quality solutions for automotive manufacturers, particularly those working in the hydrogen fuel cell space.

In addition to traditional manufacturing services, CIMtech offers cutting-edge additive



An assembled Fuel Cell Engine with the machined parts visible.

**CIMtech**  
Green Energy

Precision Automotive machining  
60,000 Fuel Cell devices in  
real-world automotive applications

60,000+ Fuel Cell Devices in Real World Automotive Applications

In addition to traditional manufacturing services, CIMtech offers cutting-edge additive

manufacturing (3D printing) technologies, including FDM (Fused Deposition Modeling), SLA (Stereolithography), and metal printing. These technologies provide the flexibility needed for rapid prototyping, custom designs, and the creation of complex components with high precision. This makes CIMtech an ideal partner for automotive companies developing fuel cell systems, as well as those working on prototype and production runs.

CIMtech's engineering team ensures that products meet both performance and manufacturing requirements. The team specializes in process optimization, material selection, and assembly techniques, ensuring that every component meets the highest quality standards. Whether optimizing a manufacturing process or developing new components, CIMtech's engineers tackle the most complex challenges in the automotive sector.

One standout offering is CIMtech's Zero Inventory Program, which helps automotive manufacturers optimize inventory management, reduce supply chain risks, and shorten lead times. This program allows clients to streamline production workflows and eliminate excess inventory, contributing to cost-saving initiatives while supporting the fast-paced demands of the fuel cell automotive industry.

### Driving the Future of Clean Mobility

The automotive industry's shift to hydrogen-powered vehicles is a critical step toward meeting global net-zero emissions targets. Hydrogen fuel cells offer a clean, efficient alternative to fossil fuels, particularly in sectors where battery electric vehicles may not be practical, such as heavy-duty trucks and buses. CIMtech plays a central role in this transition, offering high-performance fuel cell components and advanced manufacturing capabilities that help automotive manufacturers move toward a more sustainable and efficient future.

CIMtech's role in this transition aligns with its broader mission to support clean energy solutions that positively impact the environment. The company's work in the hydrogen fuel cell space directly contributes to the future of transportation and the reduction of global greenhouse gas emissions.

### Commitment to Quality and Operational Excellence

The achievement of IATF 16949 certification solidifies CIMtech's commitment to operational excellence and customer satisfaction. This internationally recognized certification demonstrates the company's adherence to strict automotive quality standards and its ability to consistently meet customer requirements. CIMtech's rigorous quality assurance processes, including CMM inspection and tight tolerance controls, ensure that every component meets the highest performance standards.

CIMtech's focus on continuous improvement and innovation enables it to provide flexible, reliable manufacturing solutions that meet the evolving needs of the hydrogen fuel cell

automotive industry. By remaining agile and responsive to client needs, CIMtech is well-equipped to help automotive manufacturers navigate the complexities of developing fuel cell systems.

### About CIMtech Green Energy

CIMtech Green Energy is a leading provider of advanced manufacturing solutions, specializing in precision CNC machining, engineering services, and additive manufacturing for industries such as aerospace, automotive, energy, and transportation. With over 20 years of experience and a newly expanded 20,000 sq. ft. facility, CIMtech continues to push the boundaries of innovation in green energy solutions. The company is trusted by leading automotive manufacturers, for reliable, cost-effective solutions in both prototype development and large-scale manufacturing.

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