



VISION

CIMtech Green Energy will be an industry leader in product development from concept to manufacturing for high-tech companies in North America.

CIMtech will develop products which enhance people's lifestyle with commitment to quality, constant innovation and respect for the planet.

MISSION

CIMtech Green Energy strives to be a leader in providing cost-effective prototyping and production that creates an extraordinary customer experience.

OUR VALUES

INTEGRITY ↔ EXCELLENCE ↔ INNOVATION ↔ RESPECT ↔ TEAMWORK

STRATEGIES

PRODUCT DEVELOPMENT

CIMtech will create an extraordinary customer experience with competitive lead times and provide constant feedback to improve manufacturing design for cost reduction.

MANUFACTURING

CIMtech will offer high-quality competitive manufacturing to our customers using our worldwide resources

CIMtech PRODUCTS

CIMtech will develop environmentally friendly products for ongoing revenue growth.



VISIT US ONLINE
cimtechgreenenergy.com

THE CIMTECH ADVANTAGE

Pioneering Precision in Manufacturing & Engineering

At CIMtech Green Energy, we seamlessly blend advanced expertise with the pillars of cost-effectiveness, impeccable quality, and swift delivery. With a legacy spanning over a century of combined experience, our dedicated team of engineers, machinists, and specialists is passionately committed to translating visions into reality without compromising on precision or quality.

Our diverse portfolio serves a myriad of sectors, from sustainable energy solutions like Fuel Cell and Electrolyzer Assemblies to cutting-edge industries in need of intricate prototyping and CNC machining. But our offerings go beyond just top-tier production. We prioritize our clients' needs by ensuring low costs without sacrificing quality, and we pride ourselves on our prompt delivery timelines.

With a consultative approach, we assist our valued clients in navigating the complexities of manufacturing designs, ensuring that they reap the benefits of cost savings, premium quality, and timely project completion. At CIMtech Green Energy, we don't just keep pace with the industry's evolving demands – we anticipate and shape them. By leveraging the latest technologies and methodologies, we provide solutions tailored for the present while setting the gold standard for the future.

MESSAGE FROM THE CEO

A History of Trusted, Cost-effective and Multi-Disciplinary Knowledge

As nations globally stride towards the commitment of net zero targets, the urgent shift towards clean energy solutions for vehicles and equipment has never been clearer. At CIMtech, we stand at the forefront of this vital change, resonating deeply with the collective ambition to create a sustainable future.

I'm immensely proud to share our recent milestone – the inauguration of our 10,000 sq. ft. advanced digital manufacturing facility. This expansion, coupled with our latest equipment investments, fortifies our position as a pivotal player in the global hydrogen fuel cell sector.

Reflecting upon my journey, I vividly remember arriving in Vancouver back in 1988. It was there I embarked on my manufacturing engineering career with one of British Columbia's pioneering hi-tech firms. Experiencing a company's evolution from a 10-member startup to a powerhouse of 5,000 employees within 15 years ignited in me a relentless drive.

This drive, combined with my father's cherished aspiration for me to make a mark in engineering, has been the compass guiding my every endeavor. His untimely departure when I was just a boy deepened my resolve, turning his dream into my lifelong mission.

The inception of CIMtech Green Energy Mfg two decades ago was more than a business venture – it was a realization of purpose. Through these years, I've had the privilege of steering engineers in high-technology realms, emphasizing the significance of DFM processes. Our core principle has always been to design with economy in mind, understanding that time dictates cost. The imperative is not only to minimize manufacturing time but also to streamline development, ensuring a swift market entry.

I invite you to join us on this journey, as we continue to innovate, optimize, and drive forward in our quest for a greener future. Together, we can and will make a difference.

Warm regards,

A handwritten signature in black ink, appearing to read 'Paul Ghotra', written in a cursive style.

Dr. Paul Ghotra
Chief Executive Officer, CIMtech Green Energy



CIMTECH VALUES

The Core Values Steering CIMtech Green Energy's Global Leadership

Safety — At the heart of our operations is the unwavering commitment to safety. Ensuring a secure environment is our prime directive; if it can't be done safely, it won't be done at all.

Diverse Team — Diversity is our strength. Our multifaceted team comes together, bringing unique strengths to the table, and when we collaborate, we become an unstoppable force, exceeding the collective potential of our individual capabilities.

Excellence — Our relentless pursuit of excellence defines us. We uphold the utmost integrity in all our endeavors and consistently aim for the pinnacle of quality in everything we do.

Cost-Effective Solutions — We understand the value of hard-earned money. Ensuring cost savings without compromising on quality is integral to our ethos, providing optimum solutions that cater to diverse budgetary needs.

Worldwide Fast Delivery — Time is of the essence. Recognizing this, we've streamlined our operations to guarantee fast delivery, ensuring our global clientele receives our products and services when they need them, wherever they are.

Our Customers — Our customers are the lifeblood of CIMtech. They drive us forward, and our continuous mission is to win and sustain their trust. Their feedback is our compass, guiding us to evolve and better our offerings. We welcome them to hold us accountable to our promises.

Challenges — We thrive on challenges. By attaining premier accreditations, pioneering industry-leading innovations, investing robustly in our facilities, and fostering a team of exceptional individuals, we ensure that we're always ready to tackle the toughest obstacles head-on.



A TESTAMENT TO PRECISION AND PARTNERSHIP CIMtech Green Energy & Plug Power's Hydrogen Success

In the constantly evolving landscape of green energy, having reliable and innovative partners is paramount. As CEO of Plug Power, I've had the pleasure of seeing firsthand the transformative collaboration between our organization and CIMtech Green Energy. Our recent unveiling of the world's premier 15TPD Green Hydrogen Plant in Camden County, Georgia, stands as a beacon of our supplier's manufacturing expertise.

Our journey with CIMtech Green Energy began 2 decades ago with a shared vision: to champion the green hydrogen economy. Their unmatched manufacturing expertise and dedication to quality, cost savings, and swift delivery were pivotal in realizing the dream of our state-of-the-art hydrogen products. Their insight was invaluable as we navigated the challenges of new products development & constructing large scale electrolyzer facilities. CIMtech Green Energy expertise assisted our engineering teams in optimizing the product design for manufacturing, and ensuring it seamlessly integrated into our state-of-the-art Green Energy products. Having been in the manufacturing engineering sector since my early days in British Columbia, I understand the intricacies of optimizing part designs for efficient production.

With CIMtech by our side, we have not only built an unparalleled hydrogen product but also redefined industry benchmarks for quality, efficiency, and innovation. Their deep-rooted values around safety, excellence, customer focus, and facing challenges head-on resonated with our ethos, making our collaboration feel more like a partnership than a mere business association. The successes we've celebrated at our Georgia facility are more than just milestones; they're a testament to the power of collaboration and a shared vision. We wholeheartedly commend the efforts of the CIMtech Green Energy team. Their prowess has contributed immensely to our achievements, reinforcing Plug Power's dominance in the green hydrogen landscape. For a comprehensive dive into our collaborative journey, showcasing the intricate processes and breakthroughs, we invite you to explore our detailed case study.

It stands as a testament to the harmonious blending of expertise, passion, and vision.

Andrew Marsh, President and Chief Executive Officer
& Plug Power Team



[VIEW THE CASE STUDY ONLINE](#)



OUR FORMULA FOR SUCCESS

The Future Of Green Energy Manufacturing

CIMtech's state-of-the-art commercial testing and research hubs provide unrivaled testing, R&D, and consultancy expertise tailored for diverse industrial sectors.

We stand as one of the unique establishments boasting a blend of multidisciplinary prowess—spanning chemical, mechanical, civil, materials, electrical, high-pressure, and instrumentation domains. We form strategic partnerships with utilities, vendors, and OEMs, engaging in test planning, execution, in-depth results interpretation, innovative product development, interoperability assessments, pre-launch validation, and intricate failure analysis.

Our dedicated teams work relentlessly to ensure clients obtain the most detailed and trustworthy results, bolstering their strategic decision-making. Our services are meticulously crafted to meet client specifications, ensuring cost-effective solutions while minimizing the challenges of introducing next-generation technologies to the global market.

MARKET SECTORS



Green Energy Solutions

Hydrogen Fuel Cell Production, Green Energy Storage, Advanced Manufacturing for Renewable Energy, Integrated Green Power Systems.



Industrial Innovations

Precision Mechanics, Advanced Manufacturing, Hi-Tech Engineering, Instrumentation, Building Products, Chemical Engineering, Green Forestry Technologies.



Sustainable Transportation

Hydrogen Fuel Cell Vehicle Components, Green Hydrogen Fueling Solutions, EV Charging Systems Deployment, Battery Innovations, High-Pressure Systems and Stations, Eco-Friendly Vehicle Engineering.



Research and Development

Partnerships with Global Research Organizations, Collaborations with Universities & Technical Institutes, Government & Municipal Projects.



Power Solutions

Advanced Power Generation Techniques, Innovative Transmission & Distribution Systems, Modernized Grid Solutions, Optimized Power System Management.



Manufacturing Excellence

Digital Manufacturing, Leading-Edge Equipment Production, Components Engineering.



CLEAN TECHNOLOGIES

CIMtech has a storied legacy of pioneering cutting-edge green energy solutions that aid the global green energy sector in minimizing environmental footprints, enhancing energy efficiency, and promoting renewable energy utilization. Innovations encompass:

- Advanced leak detection systems for hydrogen fuel cells and related equipment
- Techniques for the efficient manufacturing and reduction of waste in green technologies
- Software for optimal digital manufacturing and seamless integration of green energy systems
- Advanced communication infrastructures for the effective functioning of green energy micro-grids
- Green energy storage solutions
- Energy optimization and smart energy management tools
- Advancements in hydrogen fueling technologies and evaluations of charging solutions for battery-operated vehicles
- Examination of precision mechanics, instrumentation, and other equipment pertinent to sustainable transport applications.



PRECISION WORK WITH OEMS

CIMtech stands at the forefront of the rapidly advancing fuel cell industry, championing innovation and sustainability. As a pioneering manufacturer of fuel cell stack components and assemblies, we have carved out a niche by delivering custom-built fuel cells to meet the specific needs of a diverse clientele. Recognized for its transformative potential, the fuel cell is not just a component but a harbinger of the future in many industrial and commercial operations.

Essence of Fuel Cells: These marvels of engineering convert chemical energy directly into electrical energy. This conversion promises not only efficiency but also a greener alternative, paving the way for cleaner power sources across various devices and machinery.

Complex Yet Rewarding Manufacturing: Crafting a fuel cell is intricate, requiring a synchronized assembly of multifaceted components. But with over 15 years of experience under our belt, our expert team seamlessly manages every facet of fuel cell design and assembly.

Rigorous Testing: Quality assurance is paramount. Each fuel cell assemblies undergoes stringent testing, ensuring it not only meets but exceeds performance benchmarks. To this end, our production line boasts cutting-edge leak testing equipment.

Choice of Premium Materials: Our commitment to excellence extends to our choice of materials. We employ only the best, such as G10, PVDF, Graphite, Acetron_GP, Aluminum, and Stainless Steel, in our stack components constructions. Notably, graphite plates, often used for the critical bipolar plate, underscore our dedication to quality. Meanwhile, metal plates further augment the robustness of our fuel cells.

Unwavering Confidence: We don't just manufacture; we believe. Our unwavering confidence in delivering top-tier fuel cell manufacturing solutions has solidified our reputation in the industry.

For those seeking the pinnacle of fuel cell components, manufacturing technologies and craftsmanship, CIMtech is your ideal partner. Reach out to us and explore the myriad possibilities that our products and services can unlock for your operations.

SEGMENTS

EXAMPLES



Fuel Cell Solutions

- Manufacturer of Custom Fuel Cell stacks, components & assemblies.
- Deployed 60,000+ Fuel Cell assemblies in real-world applications.
- Fuel Cell Manufacturing.
- Advanced leak testing and manufacturing.
- Uses G10, PVDF, Graphite, metals.
- Delivering top-tier fuel cell solutions.



Mining

- Successful implementation in projects; establishing trust in high quality, eco-friendly mining equipment
- State-of-the-art CNC machining for precision parts.
- Two-week turnaround for rapid prototyping, facilitating quick design testing and refinement.
- 100% on-time delivery and quality assurance in collaboration with experienced engineers.
- Dedicated to responsible mining with renewable energy, green materials, and efficient processes.



Defense and Aerospace

- Leading manufacturer in mining and aerospace, excelling in advanced manufacturing.
- Strict measures ensure high-quality products, guaranteeing on-time delivery.
- Specializes in lightweight, high-strength materials, offering assembly services and cost-effective solutions.
- A full-quality documentation package will be provided before delivery.



Marine, Medical & Hi-Tech Solutions

- Offers eco-friendly materials, collaborates on green packaging, and electronic waste recycling.
- Invest in continuous research for energy-efficient processes and technologies.
- We have more than 15+ years of experience in the medical and food industry.
- Materials we use; SS 316, SS 304, etc.
- CIMtech offers welding services in the marine sector for the last 10 years.

SEGMENTS	EXAMPLES
<p>Manufacturing</p>	<ul style="list-style-type: none"> ➤ Advanced digital manufacturing expertise. ➤ Expertise in electrolyzer production. ➤ Comprehensive CNC machining support. ➤ In-house design and assembly. ➤ Emphasis on manufacturing feedback. ➤ Zero inventory strategy adoption. ➤ Rapid response to fluctuating demand. ➤ State-of-the-art manufacturing facilities.
<p>Sheet Metal</p>	<ul style="list-style-type: none"> ➤ Custom sheet metal fabrication: prototype to production. ➤ Serving Aerospace, Electronics, Robotics sectors. ➤ In-house team optimizes sheet metal design. ➤ Expertise in chassis, panels, and brackets. ➤ Comprehensive design assessment for optimal manufacturing. ➤ Knowledge-driven cost reduction and quality boost. ➤ Hi-tech bending, laser cutting, metal stamping. ➤ Specialized Waterjet cutting for intricate designs. ➤ Precision laser cutting for diverse materials. ➤ ISO 9100 certified for top-quality components.
<p>Injection Molding</p>	<ul style="list-style-type: none"> ➤ Comprehensive molding: injection, extrusion, die-casting, forging. ➤ Expertise in insert molding and intricate threads. ➤ Serving Aerospace, Automotive, Electronics, Robotics. ➤ Precision aluminum extrusion with Computer-Control. ➤ Lightweight, heat-resistant Aluminum Die Casting. ➤ Die-Casted parts: corrosion-resistant, dimensionally stable. ➤ Aluminum used in telecom, computing housings. ➤ Forgings through global South Asian partners. ➤ High-quality steel forgings, open and closed die. ➤ Trusted forging provider since 2000.
<p>3D Printing</p>	<ul style="list-style-type: none"> ➤ Builds from digital models layer by layer. ➤ Fast proof of concept prototyping. ➤ Quick delivery on functional prototypes. ➤ Serves electronics, automotive, medical sectors. ➤ From prototypes to full-scale production tools.

INNOVATIONS

Pioneers in Green Energy Manufacturing



Precision Manufacturing:

CIMtech 5-axis manufacturing solutions deliver high-tolerance inspections and components and assemblies.



Accurate Assessments:

With Renishaw Probing Systems, our CMM services guarantee precision and delicate contact.



CAD Compliance:

CIMtech Green ensures product perfection by comparing parts to customer-specific CAD models.



Molding Mastery:

CIMtech Green offers advanced injection molding, serving industries from Aerospace to Robotics with certified quality.



Extrusion Excellence:

CIMtech Green perfects aluminum extrusion, catering to diverse industries with computer-controlled precision.



Die-Casting Dominance:

CIMtech Green Manufacturing crafts lightweight, corrosion-resistant aluminum parts for sectors like Aerospace and Electronics.



Expert Extrusion:

Specializing in precise aluminum fabrication, we seamlessly transition from prototypes to large-scale production.



Tech Precision:

Leading in extrusion technologies, our advanced equipment supports prototyping and bulk needs.



Seamless Fabrication:

Our advanced equipment delivers precision fabrication serving various industries efficiently.

QUALITY AND INDUSTRY STANDARDS

CIMtech Green Energy Aims High

CIMtech Green Energy Mfg is deeply committed to customer satisfaction, consistently aiming to meet or surpass client requirements through a continual process of improvement. Our certifications include the Canadian Controlled Goods Program (CGP) and AS9100D, emphasizing our global trustworthiness and high standards in aerospace quality management. Quality always remains our foremost priority, ensuring precision in our manufacturing solutions.

Our expertise lies in CMM (coordinate measuring machine) inspection services, which are paramount for high tolerance inspection tasks. With a substantial work envelope, we're adept at inspecting multiple parts simultaneously. Utilizing the latest probing systems, such as Renishaw, we guarantee precision and accuracy. Our services extend from first article inspections and PPAP reporting to reverse engineering, all of which rely heavily on comparing manufactured parts with CAD models or drawings.

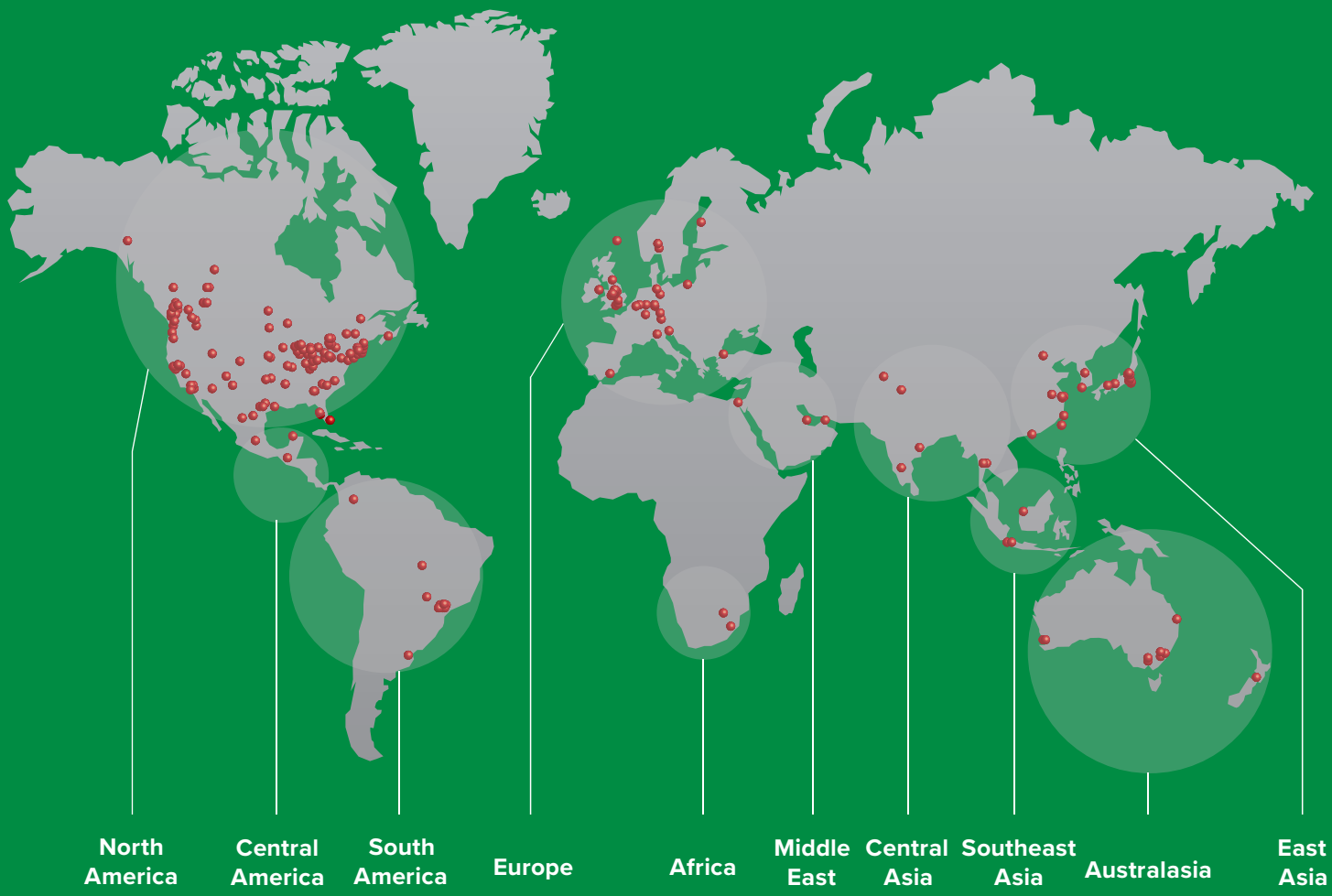
Leveraging advanced manufacturing equipment and state-of-the-art CAD-CAM technology, our qualified team delivers excellence consistently. We employ a digital ERP system, ProShop, which enables us to trace materials during the manufacturing process, ensuring punctual delivery aligned with client specifications. Over the years, CIMtech Green Energy Mfg's holistic turnkey services and solutions have solidified our reputation as a trusted industry leader.

- ✓ **CANADIAN CONTROLLED GOODS PROGRAM**
- ✓ **ISO9001 + AS9100D + QMS CERTIFIED**
- ✓ **AEROSPACE QUALITY MANAGEMENT SYSTEM**
- ✓ **QUALITY MANAGEMENT SYSTEMS**



CLEAN TECHNOLOGIES

CIMtech partners with nearly 1000+ clients across ten regions, collaborating with some of the most technologically progressive and globally renowned companies.



THE FUTURE OF CIMTECH

As we gaze into the horizon, the future of CIMtech shines bright, fueled by our unwavering commitment to hydrogen fuel cell-based green technology manufacturing. As global consciousness pivots towards sustainable energy solutions, CIMtech is poised to lead this transformative journey. With our state-of-the-art manufacturing capabilities, we envision a world where our hydrogen fuel cell innovations not only power a multitude of industries but also serve as a beacon for eco-friendly advancements. The coming years will witness CIMtech amplifying its impact, partnering with pioneers, and consistently pushing the boundaries of what's possible in the realm of green technology. The future is not just green; it's powered by CIMtech's hydrogen brilliance.

The Future of CIMtech Green Energy.



5 - 17942 55th Avenue
Surrey, British Columbia
Canada V3S 6C8

+1 (604) 575-8853
info@cimtech.green
cimtechgreenenergy.com

