At Hydrogenics, we help our customers **shift power** by developing the technologies needed to serve the growing **industrial** and **clean energy** markets of today and tomorrow.
Global leader in fuel cell and electrolyzer technology

3 Segments:
- Hydrogen Generation
- Fuel Cell Power Systems
- Renewable Hydrogen

Over 2,000 fuel cell and 500 electrolyzer installations around the world

3 production sites in Canada, Germany, and Belgium
+ Global sales offices

65+ years of experience

Over 145 patents

Publicly traded since 2000:
- NASDAQ (HYGS)
- TSX (HYG)

We’re Ready.
Renewable Hydrogen and Grid Balancing Services

Hydrogenics is leading the way in the production of renewable hydrogen from renewable generation to decarbonize all energy sectors. Our PEM electrolyzers are the most compact and powerful in the industry, allowing for utility-scale projects with a small footprint.

Renewable Hydrogen

Hydrogen produced from renewable power via water electrolysis enables the transition to a cleaner future across all energy sectors and applications, including:

- **Power-to-Power**: repowering hydrogen through a fuel cell
- **Power-to-Gas**: injecting hydrogen or synthetic natural gas into the gas grid
- **Power-to-Mobility**: hydrogen refueling for fuel cell electric vehicles
- **Power-to-Fuel**: using hydrogen as a feedstock for traditional fuel production, in refineries and bio-fuel production
- **Power-to-Industry**: using hydrogen as a feedstock for industrial facilities such as chemical, steel and glass industries

Grid Balancing Services

As more renewable wind and solar power is added into the energy generation mix, grid balancing becomes more challenging. The Independent System Operator must constantly monitor and manage the delicate balance between electricity supply and demand. Hydrogenics’ electrolyzer provides a dynamic and flexible solution. Our electrolyzer can be dispatched across its entire operating range without restriction; it can provide this service hour after hour, modulating up and down without interruption or impact on operational efficiency.
Hydrogen Generation: On-Site and On-Demand

Onsite production gives businesses the flexibility to produce as much high-purity hydrogen as they need, wherever they are. Our state-of-the-art small, medium and large scale alkaline and PEM (proton exchange membrane) electrolyzers lead the way in delivering the purest hydrogen, safely and reliably.

Industrial Hydrogen

Hydrogenics’ HySTAT™ and HyLYZER™ electrolyzers deliver pure hydrogen for a zero-emission solution. Our HySTAT water electrolyzers, based on alkaline technology, are found in a wide range of industrial applications including steelmaking, power plants, glass and chemical processing plants. HyLYZER PEM-based electrolyzers allow for MW scale production and are well suited for the energy and utility sectors.

HydrogenFuelingStations

Hydrogenics has supplied over 50 fueling stations across the world, more than any other hydrogen fueling company. Our turnkey fueling station comes fully interconnected for easy installation. The station offers modular capacities, ranging from 20 kg to over 1,000 kg of hydrogen per day with 350 or 700 bar dispensing. Hydrogen fueling is quiet, reliable and safe; it can claim true zero emission fuel from production to consumption, eliminating the dependency on fossil fuels.

Hydrogenics is the leading manufacturer of state-of-the-art high-quality fuel cells for hybrid battery electric vehicles and critical off-grid and on-grid stationary power generation plants. Our HyPM™ power modules offer a robust and flexible platform for easy integration into electric vehicles and power applications.

**Mobility Power**

HyPM-HD is built for mobility applications from range extension to sole propulsion in power outputs of 4 kW to hundreds of kilowatts. The compact form and flexibility to combine modules and variants makes HyPM-HD the right fit for any heavy or light mobility application, including public transit, commercial trucking, railway and aircraft.

Hydrogenics’ Celerity™ is the leading fuel cell mobility package based on HyPM power modules. Designed for the SIEMENS ELFA family of electric drive powertrains, Celerity is the ultimate OEM-friendly zero emission solution for medium and heavy duty buses and trucks needing an easy-to-install hydrogen power system for standard engine bays.

**Critical Power**

For mission critical operations where downtime from grid failure is costly, Hydrogenics’ fuel cell power generation platform is a reliable zero-emissions solution to serve baseload power, cyclic generation or peaking power demands. Whether it’s replacing a 100 kW backup diesel generator or providing continuous power to a 50 MW power plant, our HyPM suite of power modules enable us to meet your specific operational needs. HyPM-XR provides peak efficiency with small footprint, high runtime capabilities, and unlimited start-stop cycling.