



## Products and Services

### On-site Hydrogen Generation

**HyRadix** is the global market leader in providing proven, on-site hydrogen generation systems and supply solutions. Through our proprietary technology, we are meeting the rapidly growing global demand for lower-cost hydrogen, produced under the most environmentally responsible conditions.

HyRadix technology is based on proven reforming technology for industrial and consumer manufacturing processes (e.g. float glass) as well as transportation applications for buses, trucks, heavy equipment (e.g. mining vehicles), and locomotives. Our state-of-the-art, portable equipment is meeting the industry's need for decentralized, flexible hydrogen production.

### Hydrogen-Based Fuels

**Eden Energy** creates and commercializes hydrogen-based fuels to allow these cleaner alternatives to be economically successful today. To date, the most promising and practical solution for use in existing internal-combustion engines is our exclusive Hythane® fuel that blends methane/natural gas and hydrogen.

**Hythane®** is a patented, premium fuel blend containing natural gas (80% by volume/93% by energy) and hydrogen gas (20% by volume/7% by energy) developed for internal combustion, fuel cell, and turbine engines.

- Fleet vehicles—Hythane® is an optimal solution for buses, utility vehicles, and other fleets where a centralized fueling station is used.
- Power generation—Hythane® is an efficient, readily-available, and clean-burning fuel for power generation on a global basis, even in remote areas that merchant gas providers can't currently serve.
- Rail transport—Hythane® is an excellent candidate as a locomotive fuel in countries where increasing populations and urban pollution are combining to pose serious health threats.

## Hydrogen Liquification, Storage, and Transport

For the hydrogen economy to realize its full potential, technical issues regarding commercial practicality of storage, transport, distribution, and safety must be addressed. The experts at **Eden Cryogenics** draw on decades of experience serving clients like major national physics laboratories and NASA to solve virtually any hydrogen storage and transportation challenge. Eden Cryogenics' piping, valves, and fittings ensure safety and reliability in settings ranging from bustling urban centres to remote mining camps.

## Alternative/Clean Energy Research & Development

As the world's only company focused solely on the end-to-end realities of hydrogen production, transportation, storage, and use, Eden Energy is at the forefront of developing innovative, commercially viable technologies.

