innōvalabs

# Remote Autonomous Hydrogen Production Stations

## OVERVIEW

INNOVA's modular hydrogen production exchange facility is a turnkey solution, designed to provide a supply of continuous zero-emission power for supplementation and replacement through nature's most common element - ***hydrogen***.

The INNOVA hydrogen charging stations ("HPX") will be able to produce scalable hydrogen supplies for a wide variety of applications. These stations will use alternative energy sources such as wind, solar and/or thermal to produce the hydrogen from virtually any water supply. The stations can also be backed up by or tied into a grid if necessary. The HPX can be built to any size depending on the amount of hydrogen needed for each application.

The HPX can be located anywhere there is a sustainable water source: public water system via hose, lake, river, well water, ocean, etc. The HPX systems can be upgraded or daisy-chained to increase production and are modular enough to grow with you and your needs.

The hydrogen gas produced by the stations can be used to supplement existing power sources that use internal combustion engines as well as to charge INNOVA's high capacity low pressure storage containers. These containers (bottles) can be supplied in various sizes to service many applications – including: remote power generators, heating, cooking, yard tools and small engine powered devices like ATV's, motorcycle's, snowmobiles, etc.

For internal combustion engines ("ICE") the enrichment of hydrogen brings various benefits: improved fuel combustion, lower particulate emissions, greater thermal efficiency, and lower fuel consumption. INNOVA's technology allows a light, compact system to be installed that produces clean, dry hydrogen without the presence of harmful materials, and the gas can be injected directly into the engine with excellent results.

***INNOVA's holistic vision brings energy independence to the individual and the community.***