



IN PARTNERSHIP WITH  
PRIDE MARINE GROUP

Motion+ is proud to announce its partnership with the Pride Marine Group. Together, we will provide access to cutting-edge hydrogen fuel cell technology. Pride Marine Group has consistently been ranked the #1 multi-location boat dealer in Canada, with 12 locations throughout Ontario to serve you. Pride Marine Group will be the exclusive dealer of the Hydronautic+. The Pride of Muskoka location will also feature our state-of-the-art, power-to-gas system: the fHuel+ hydrogen fueling station. Stop by or visit our Facebook today to learn more!

*"Redesigning modern transport by harnessing the power of cutting-edge power-to-gas technologies"*  
-Motion +



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# MOTION<sup>+</sup>

POSITIVE TRANSPORT  
SOLUTIONS



## POWER-TO-GAS

### An Energy Storage Solution

#### POWER-TO-GAS

The bulk of the world's energy comes from non-renewable sources, a big problem considering the amount of greenhouse gases these processes produce. Using renewable sources, such as solar or wind, allows us to reduce our dependence on fossil fuels and improve our carbon footprint. However, renewable sources are intermittent; we cannot turn the wind off when we do not want it and turn it back on when we do! Power-to-gas systems offer a solution to the intermittency of renewable energy generation. Power-to-gas involves using off-peak and surplus renewable electricity and transforming it into hydrogen gas by means of water electrolysis. The hydrogen can then be stored for later use, or injected directly into the existing gas pipeline infrastructure, providing long-term energy storage and stabilization of renewables. Additionally, the hydrogen can be used directly in mobility applications, such as fuel cell vehicles. Traditional energy storage technologies, such as batteries, offer storage capabilities at a single location only. But power-to-gas systems offer a much more flexible energy storage solution. Hydrogen can be generated in one location, and then delivered through existing pipelines to the point of use.

#### POWER-TO-GAS AT WORK: THE HYDRONAUTIC<sup>+</sup>

Motion<sup>+</sup> presents its pilot project, the Hydronautic<sup>+</sup> and companion fHuel<sup>+</sup> refueling station. The Hydronautic<sup>+</sup> is an amphibious yacht, completely powered by hydrogen produced using off-peak renewable energy! Our mission at Motion<sup>+</sup> was simple, deliver a luxurious high-end yacht, without compromising sustainability. The Hydronautic<sup>+</sup> cruises at a top speed of 81 km/h on water and 7 km/h on land, and you can enjoy cruising for a full 6 hours before refueling at our state-of-the-art fHuel<sup>+</sup> station. We utilize off-peak electricity to run our electrolyzer, which breaks water into hydrogen fuel and oxygen gas by means of electrolysis. The hydrogen is then stored at our state-of-the-art storage facility located at the Pride of Muskoka Marina. When it comes time to fuel your Hydronautic<sup>+</sup>, simply drive up to our fHuel<sup>+</sup> station, and fill up like you would with gasoline. That is the beauty of a power-to-gas system, we are able to take energy that is not being used and allow it to be accessed when needed. Stop by or visit our Facebook page for more information on climate change and sustainability!

MOTION<sup>+</sup>  
Positive Transport Solutions

