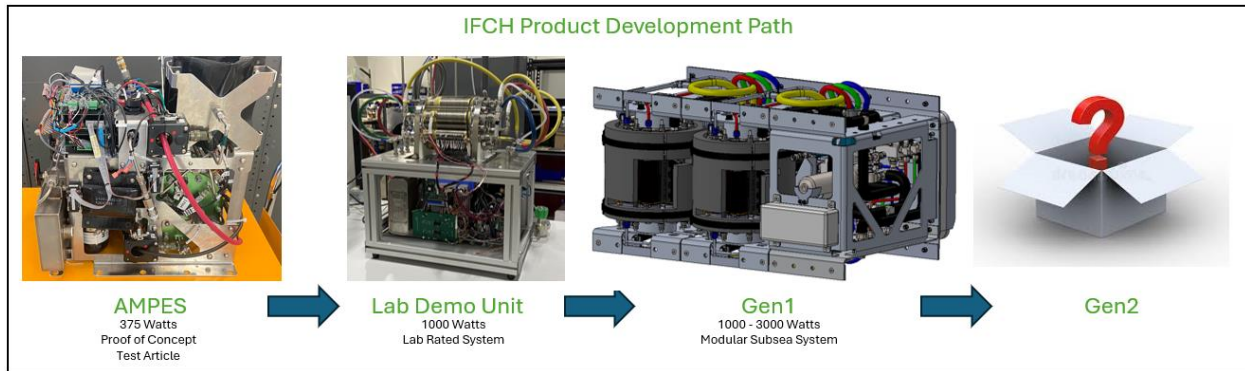




Infinity Fuel Cell and Hydrogen, Inc.,

Using Investment Funds to Advance Along our Technology Roadmap



Infinity has been using investment funds generated from our capital raise to advance along our Product Development “Road Map” and create product-line specific designs. These efforts are focused on fuel cell manufacturing cost reduction, performance increases, modular system packaging, electronics, software and controls, and reductions in lead time.

Progressing from Lab Demo Unit to Gen1 fuel cell systems is allowing Infinity to move from lab rated prototypes to production system products for subsea, spaceflight, lunar surface, and terrestrial environments. We continue to incorporate our patented Proton Exchange Membrane (PEM) technology into our electrolyzer and fuel cell designs in these advancements. The modularity of these designs facilitate integration into customer’s applications and permits customers to customize the product configuration to meet their initial mission requirements and upgrade later.

Infinity is focusing its R&D efforts in multiple areas. The initial redesign of the fuel cell will focus on cost reduction by investigating alternative bipolar plate manufacturing techniques such as hydroforming or stamping. In parallel, Infinity will be developing and vertically integrating new Membrane Electrode Assemblies (MEA’s) for increased power output. Advanced electrical/software controls will be designed for automated operation when integrated into customers’ applications. To improve the quality of the final product Infinity has implemented additive manufacturing in the design process and integrated Industry 4.0 techniques to provide flow and quality data during the manufacturing process.

The goal of these R&D efforts is to develop new technology that provides major increases in power per-cell. This enables Infinity to meet customer’s requirements with fewer, lighter cells. Further, building cell stacks with less components will remove cost and weight from the product.

This is an iterative process. The process is on-going and will assist Infinity in achieving an effective “Road Map” as our markets evolve.

Dated September 16, 2024