



Paving the path to the hydrogen revolution

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Hydrogen emerges as a prominent alternative to polluting fossil fuels. However, current production methods impede the market by dictating logistics of heavily regulated high-pressure tanks.

IonFlux transforms the hydrogen market by **developing a controlled hydrogen generator**, for cost-effective, on-site, on-demand, and safe, hydrogen generation. The generator utilizes a pod containing an aluminum-based fuel that interact with water to produce Hydrogen. For energy the used pod is replaced with a new one, much like a printer toner; quick and simple. Our technology generates hydrogen for power needs from a few to 50 kWh, minimizing risks associated with high-pressure tanks.

We target the rapidly growing \$2.8 billion hydrogen vehicle market, projected to reach \$100 billion by 2030. Our technology is expected to significantly accelerate the market growth by transforming high-pressure hydrogen logistics to a safe and cost-effective hydrogen supply on-site and on-demand. We will initially develop solutions for the forklift and truck market which already have adopted hydrogen as a fuel. Our generators will be designed to seamlessly integrated into existing hydrogen powered systems, allowing **off-the-shelf on-demand cost-effective low-pressure hydrogen supply** with minimal modification requirements. Ensuing applications include off-grid power supply for home owners, emergency services, and UPS and military support, each with a significant market. We will use B2B strategy to market our products.

Our **team** is seasoned and reputable.



Prof. Ofer Zohar, CEO, an accomplished scientist, entrepreneur, CTO and CEO. Founded companies, secured grants and funds (IMOD, DOD, Horizon 2020 SME phase II, Privat investors), managed companies of multidisciplinary teams of scientists and engineers.



Omer Hiram, CTO, a chemical engineer with vast experience as a manager in the hydrogen industry, from product to project and R&D, serves as a consultant for hydrogen safety and energy management.

In **summary**, IonFlux offers a transformative solution to the challenges faced by the hydrogen market, positioning the company at the forefront of the clean energy revolution. We invite investment to accelerate our go-to-market strategy, capitalize on the rising demand for hydrogen solutions, and contribute to a sustainable future.