

# GH POWER

Corporate Presentation  
2024



# Introduction

## 1 Who are we?

GH Power has developed a unique renewable power technology. We take recycled or scrap aluminum and run the metal mixed with water through our novel reactor to produce green hydrogen and power.

We have our first 2MW reactor built and currently in its testing phase. Furthermore, we have a future pipeline of projects with blue-chip partners.

## 2 Why are we Unique

### Low-Cost Bulk Hydrogen

We can produce green hydrogen at a much lower cost than competing processes.

### Circular Economy

Our feedstock of scrap aluminum is widely available in every market.

### ESG Potential

Our zero-emission process can assist organizations reach their net zero commitments.



# The Process

How does the technology work?

## Inputs

### ALUMINUM

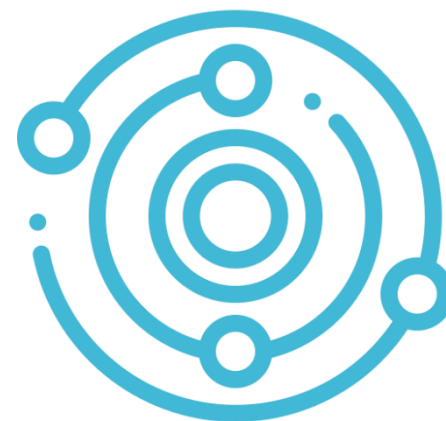


- Recycled metal available within local communities.
- Scrap aluminum used in industrial processes



### WATER

## Reaction



**GH POWER**

Self-sustaining, zero emission

## Green Outputs

### THERMAL ENERGY



- Continuous green power and district heat/cooling

### HYDROGEN



- Transportation and industrial applications

### ALUMINA



- LED lights
- Lithium-ion battery
- Semiconductor

### CARBON OFFSET

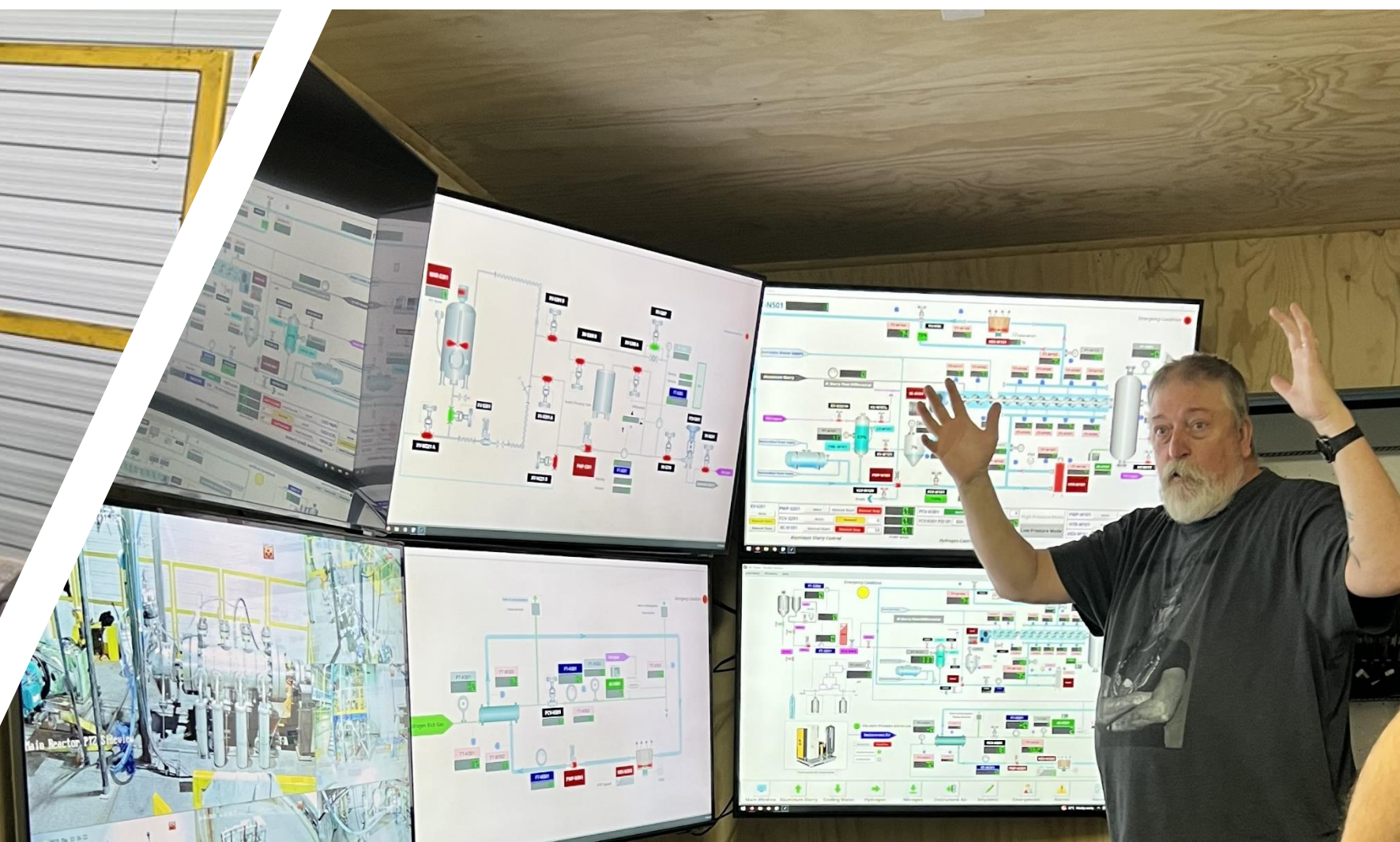


- Decarbonization





Pictures from recent site tours









# 2 MW Reactor Status

## JAN – JUN

- Designed, procured and constructed 2MW reactor in a GH Power facility in Greater Toronto Area.

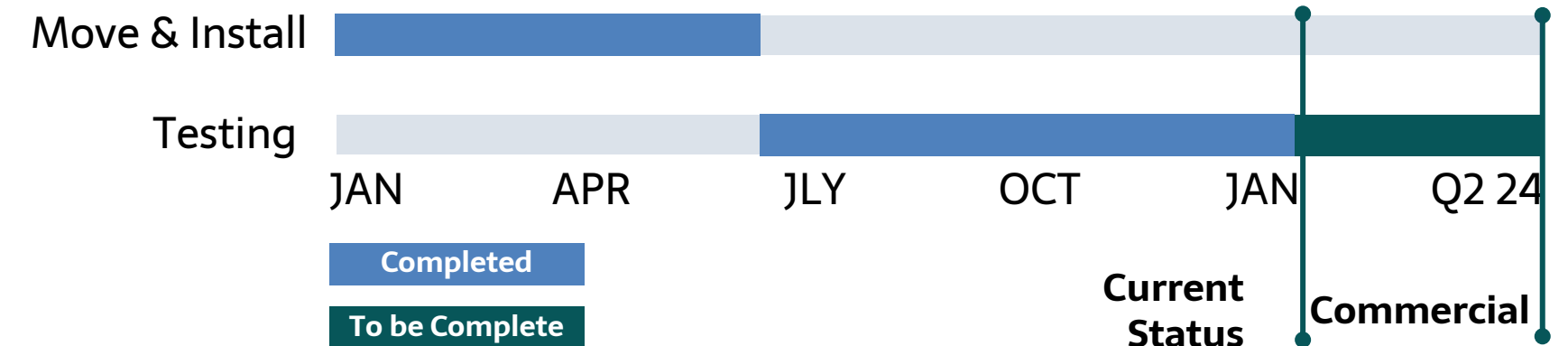
## JUL – DEC

- Test and optimize reactor for commercial operations.
- Send samples of alumina and hydrogen to buyers and negotiate off-take agreements.
- Continue working with strategic partners to progress projects.

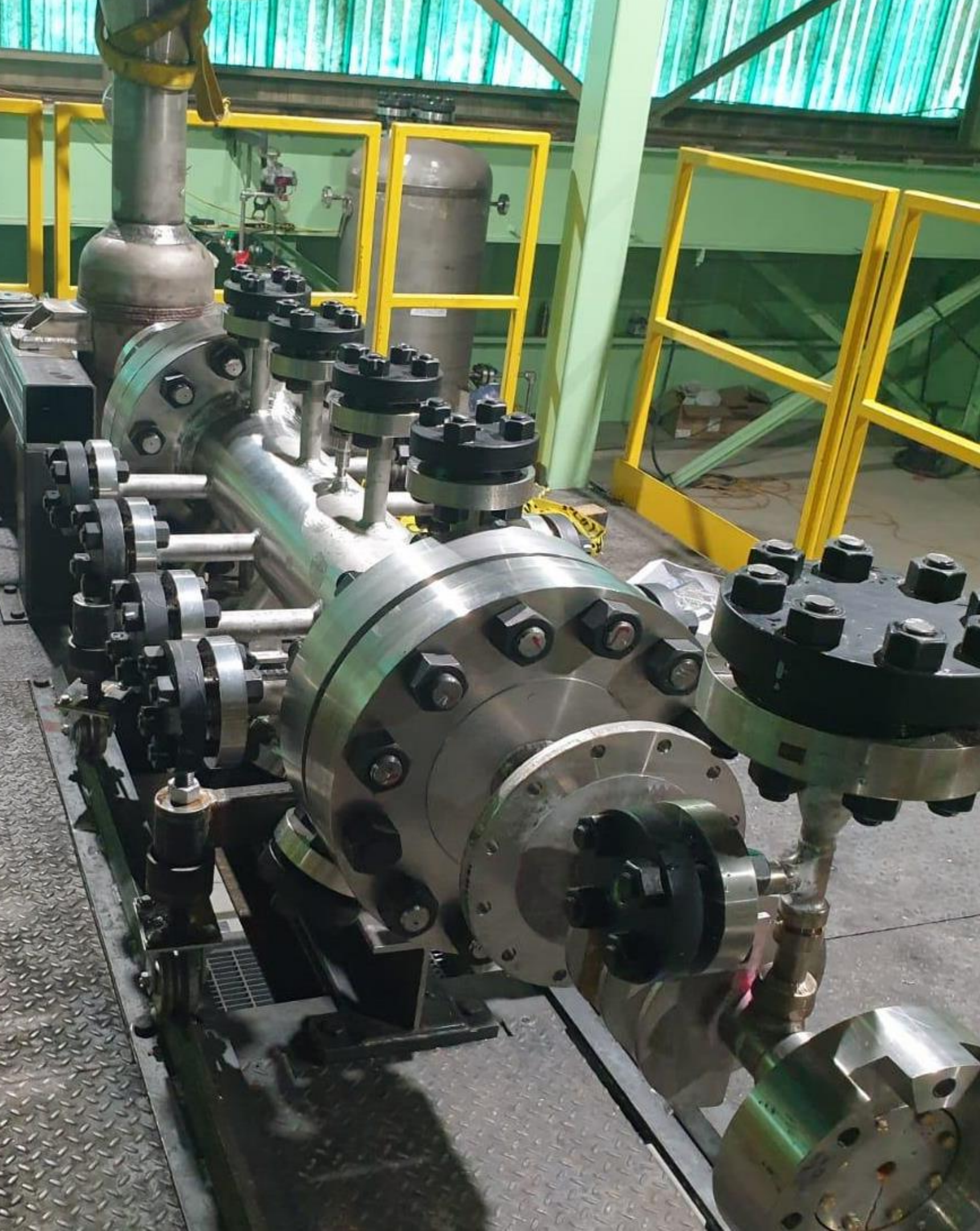
## JAN – MAR

- Planned outage for a month to install parts for continuous 24/7 operations.
- Finalize off-take agreements.
- Formalize business development projects to scale technology.

## Reactor Schedule







# 2 MW Commercial Reactor Metrics

Outputs	Annual
Hydrogen	350 MT / 1 MW
Steam	1 MW
Alumina	6,000 MT
Net Energy Output	2 MW
Inputs:	
Aluminum	3,300 MT
Water	4,000 kL

Notes: Based on Managements Estimates;





# 27 MW

## Plant Metrics

Outputs	Annual
Hydrogen	11,700 MT
Steam	10 MW
Alumina	190,000 MT
Net Power Output	27 MW
Inputs:	
Aluminum	108,000 MT
Water	140,000 kL

Notes: Based on Managements Estimates;



# Business Development Strategic Partners

GH Power has a long list of blue-chip strategic partners who are looking to integrate their technology

## Strategic Partners



Vehicle Manufacturers  
Co-location



Green Energy  
Companies



Commercial  
Landlords



Chemical Producers



Sustainable Food  
Processors



Local Municipalities

## Hydrogen Hubs



US State Hydrogen  
Hub

## Iron

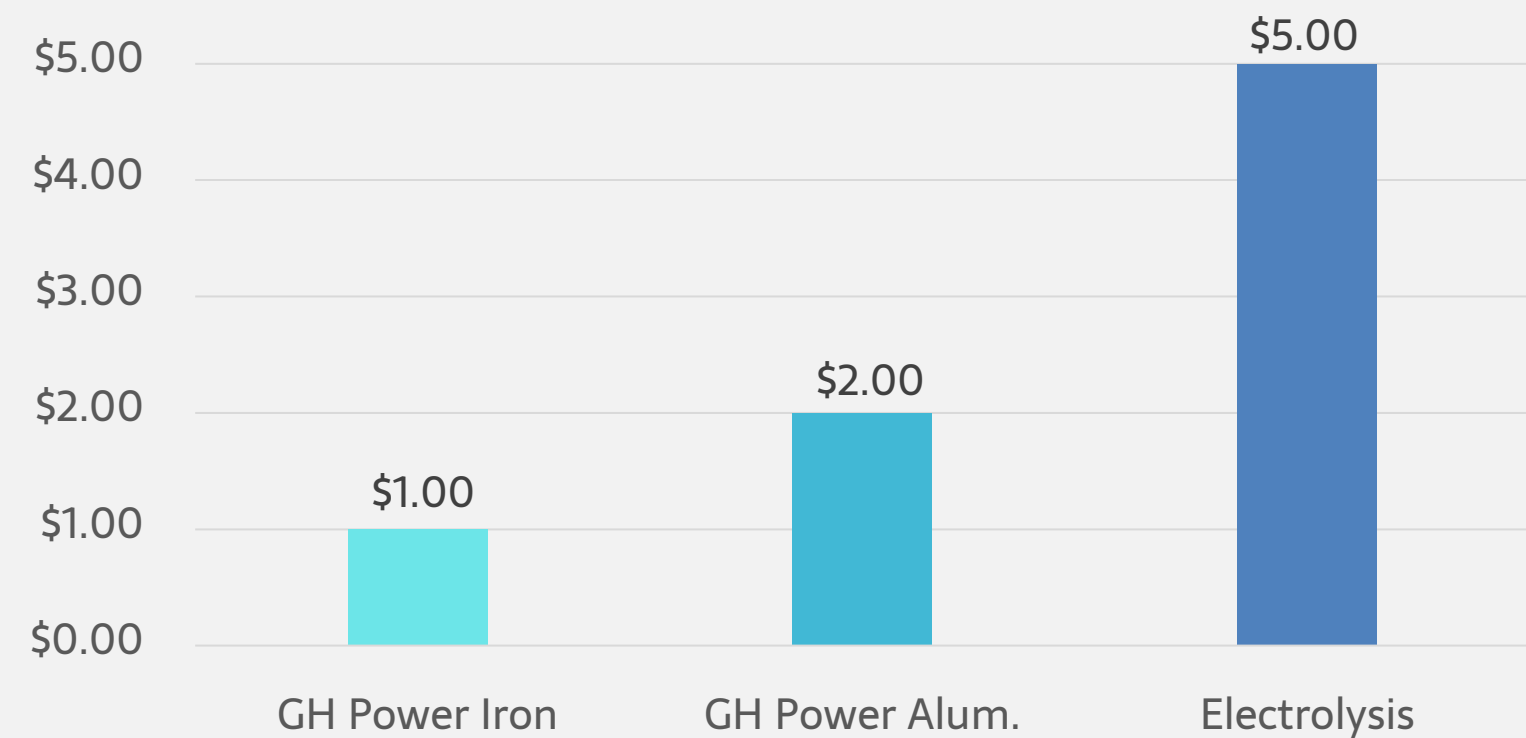


Steel Producers



# Hydrogen Cost of Production

## Cost Comparison



- GH Power can produce green hydrogen **much cheaper** than competitive processes.
- Cost basis of hydrogen **offset by alumina revenue**.



# Award Winning Tech

- GH Power is proud to receive \$500,000 in funding from the National Research Council of Canada to a joint collaboration project with partners in Canada and Germany. The total value of the collaboration project, including contributions from Germany and Canada, is estimated at **\$2.2 million**.
- The Project is the development of high purity alumina with RWTH Aachen, Germany, as an academic partner.
- GH Power will be working with eFuel specialists from **RWTH Aachen Fuels Science Center** to develop a clean fuels program.
- Carleton University & GH Power creating a center of excellence for metal fuels

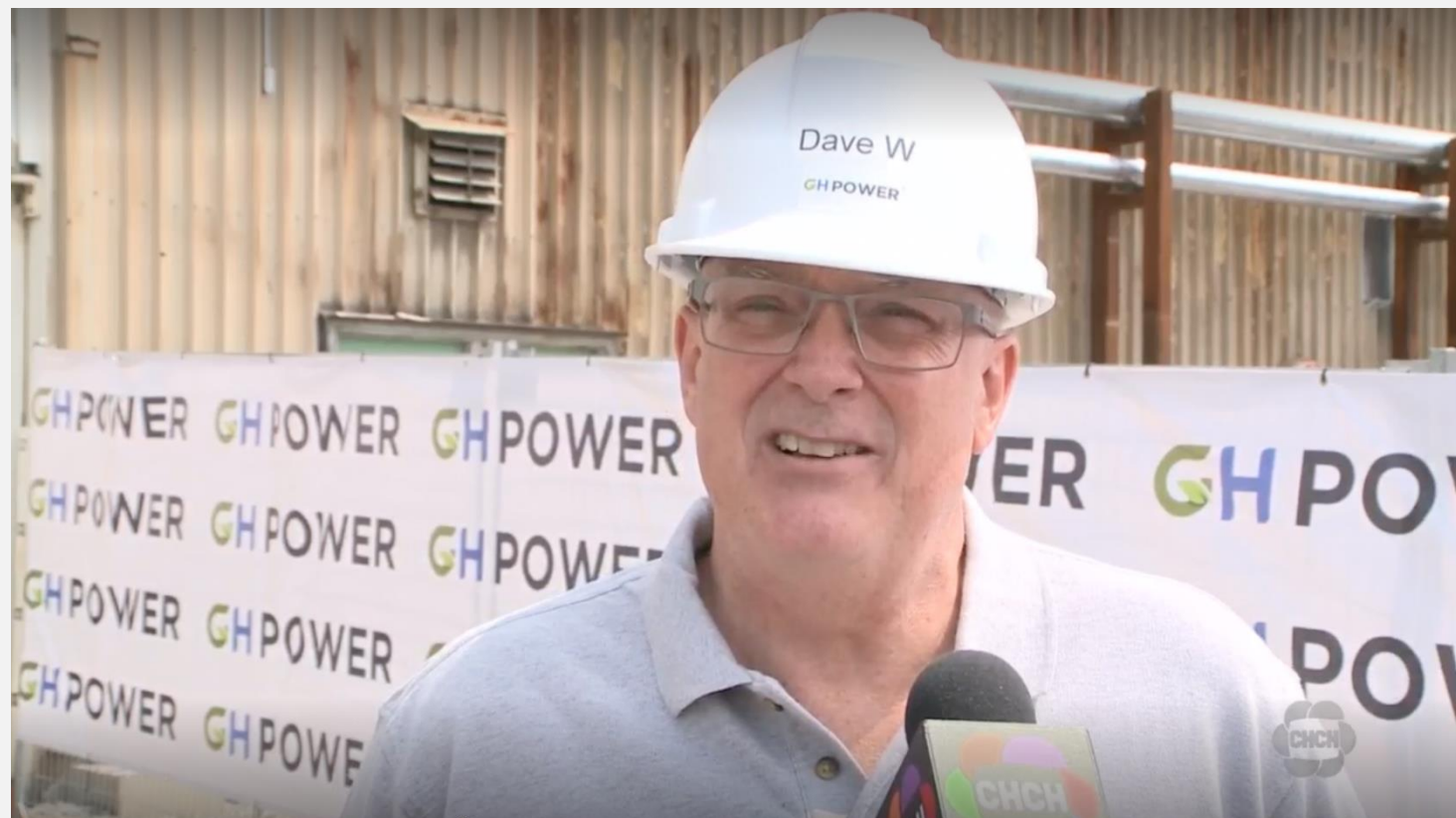
## Project Participants

The logo for GH POWER, featuring the letters 'GH' in a stylized green and blue font, followed by 'POWER' in a bold, dark blue sans-serif font.The logo for RWTH Aachen University, consisting of the text 'RWTHAACHEN UNIVERSITY' in white, bold, sans-serif capital letters on a blue rectangular background.The logo for ParteQ, featuring the word 'Parte' in a dark blue sans-serif font, followed by a large, stylized blue 'Q'.The logo for Carleton University, featuring a red maple leaf icon to the left of the text 'Carleton University' in a bold, dark blue sans-serif font.The logo for the National Research Council Canada, featuring the text 'National Research Council Canada' in white, sans-serif font on a dark blue rectangular background.The tagline for the National Research Council Canada, featuring three colored dots (cyan, blue, red) followed by the text 'Canada's largest federal research and development organization' in white, sans-serif font on a dark blue rectangular background.



# Media Coverage

News Interview with CEO  
David White



**yahoo!** finance Articles

[Tech Breakthrough Makes \\$2.5 Trillion Hydrogen Boom Possible](#)

[Canadian Engineers Make "Revolutionary" Hydrogen Breakthrough](#)



# Carbon Certification

- GH Power Zero Carbon process will generate Carbon Certificates attached to our 3 products: hydrogen; power; and alumina.
- These certificates will **enhance the value** of our products by giving buyers an offset against their own carbon emissions and their ESG commitments.
- GH Power products will sell at a **green premium** compared to our competition and generate **higher margins and ROI**.
- We are working with globally recognized leading Carbon firms to create a verified, assured transferable, **monetizable** Carbon Certificate.

**GH POWER**  
*creating a greener future*





# Key People



**Dave White**  
CEO

- Dave has over 30 years of experience in the construction of power generation facilities
- Refurbished Ontario nuclear power plants



**Ken Stewart**  
Chief Engineer

- Ken has over 4 decades of experience in the design and management of thermal power plants
- Engineer of Record for 8 power plants



**Gary Grahm**  
COO

- 25+ years of international experience in developing projects
- Managed over \$1b of electrical generating assets



**Anand Patel**  
CFO

- 10+ years of real asset capital markets experience with over \$4b in completed transactions
- Managed a portfolio of over \$10b in international assets





# Disclaimer

The information contained in this presentation has been prepared by Green Hydrogen Power (“**GH Power**” or the “**Company**”) and contains confidential information pertaining to the business, assets and operations of the Company. The information contained in this presentation (a) is provided as at the date hereof and is subject to change without notice, (b) does not purport to contain all the information that may be necessary or desirable to fully and accurately evaluate an investment in the Company, and (c) is not to be considered as a recommendation by the Company or any other person on behalf of the Company that any person make an investment in the Company. An investment in the securities described herein is speculative and involves a number of risks that should be considered by a prospective investor.

This presentation is confidential and is being provided to you solely for your information and may not be reproduced, in whole or in part, in any form or forwarded or further distributed to any other person. Any forwarding, distribution or reproduction of this presentation in whole or in part is unauthorized. By accepting and reviewing this presentation, you acknowledge and agree (i) to maintain the confidentiality of this presentation, and the information contained herein, (ii) to protect such information in the same manner you protect your own confidential information, which shall be at least a reasonable standard of care, and (iii) to not utilize any of the information contained herein except to assist with your evaluation of a potential investment in the Company.

No sales of the securities of the Company shall be made until the Company and the potential investor enter into a subscription agreement for such securities. Prospective investors should carefully consider the risk factors described under “Risk Factors” in this presentation before investing in the Company and purchasing the securities described herein.

The investor, and each beneficial purchaser for whom it is acting, acknowledges that (i) it is not relying upon the agents for the Offering (the “**Agents**”) to conduct any due diligence investigation on behalf of the prospective investor regarding the offering (the “**Offering**”) of the Company’s securities or the Company’s business, management, financial position, condition or prospects, and (ii) the Agents do not make any representation or warranty as to, or assume any responsibility or liability of any nature whatsoever for, the accuracy or adequacy of any of the information furnished to the prospective investor in connection with the Offering.

## THIRD PARTY INFORMATION

This presentation includes market and industry data which was obtained from various publicly available sources and other sources believed by the Company to be true. Although the Company believes it to be reliable, the Company has not independently verified any of the data from third-party sources referred to in this presentation, or analyzed or verified the underlying reports relied upon or referred to by such sources, or ascertained the underlying assumptions relied upon by such sources. The Company does not make any representation as to the accuracy of such information.

## FORWARD-LOOKING INFORMATION

This presentation includes forward-looking information within the meaning of Canadian securities law. Statements containing the words “believe”, “expect”, “intend”, “should”, “seek”, “anticipate”, “will”, “positioned”, “project”, “risk”, “plan”, “may”, “estimate”, or, in each case, their negative and words of similar meaning are intended to identify forward-looking information. Forward-looking information involves risks and uncertainties including, but not limited to, the Company’s anticipated business strategies, anticipated trends in the Company’s business or the hydrogen or aluminum industry that could cause actual results or events to differ materially from those expressed or implied by the forward-looking information, risks related to the regulatory and legal framework of production, fluctuations in the price of hydrogen, aluminum and alumina, differences in the interpretation or application of tax laws and regulations or accounting policies and rules and the Company’s interpretation of, or compliance with, tax laws and regulations or accounting policies and rules, is found to be incorrect or the tax impact to the Company’s business operations is materially different than currently contemplated, general business, economic and competitive uncertainties, market risks, timing risks with respect to the launch of power plants and other risks disclosed under “Risk Factors” in this presentation. There may be other factors and risks that cause actions, events or results not to be as anticipated, estimated or intended.