



# Making The **Hydrogen** Revolution Possible

NEO: MOVE | OTC: MOTNFF | FRA: 2K6B • Q1 2022

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# PowerTap Hydrogen Fueling

- 100% owned by PowerTap Hydrogen Capital Corp.
- Partnership with a major fueling network to install hydrogen fuel technology at existing locations accelerates launch.
- PowerTap is a low cost, green, onsite hydrogen fueling technology for the USA and Canada.
- Attractive public/private sector green infrastructure loan programs exist in USA.
- Attractive California Hydrogen Fueling Infrastructure Carbon Credits upon installation = CASH FLOW Pre-Hydrogen sales<sup>1</sup>



# Why Blue Hydrogen?



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Hydrogen fuel cell electric (FCEV) vehicles are superior decarbonized vehicles to other vehicle types including battery electric vehicles (BEV).<sup>1</sup> Long Haul Truck<sup>2</sup> and Public Transport<sup>3</sup> will lead hydrogen fuel cell penetration.



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Hydrogen vehicle sales expected to grow exponentially, but USA is lacking fueling stations. Nikola<sup>4</sup>, Toyota<sup>5</sup>, Volvo/Daimler<sup>6</sup> launching hydrogen trucks with >\$10 billion of orders



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US Auto Fueling Infrastructure<sup>7</sup>

- >100,000 Gas Stations
- 25,000+ Battery Electric Stations
- Under 100 Hydrogen Fueling Stations for Automobiles

<sup>1</sup> Based on publicly available information regarding the lower weight, longer range, shorter refueling time and longer life of fuel cells in FCEVs vs. batteries in BEVs.

<sup>2</sup> <https://bit.ly/3DNgAel>

<sup>3</sup> <https://bit.ly/3kYpugW>

<sup>4</sup> <https://bit.ly/3h2Zlfz>

<sup>5</sup> <https://toyota.us/3kLi8x2>

<sup>6</sup> <https://bit.ly/3nOXs75>

<sup>7</sup> <https://bit.ly/3zMYAhW>

# Hydrogen Fueling Opportunity

Blue hydrogen, or using renewable natural gas instead of dirty electricity, marks an important milestone for the hydrogen industry. By harnessing renewable natural gas, PowerTap diverts the harmful greenhouse gasses from methane from entering the atmosphere, creating clean, inexpensive hydrogen which beats out fossil fuels on all metrics.

## Diesel vs. BEV vs. Hydrogen

Fuel Type <sup>2</sup>	Diesel <sup>1</sup>	Battery Electric <sup>3</sup>	Hydrogen <sup>4</sup>
Driving Range (Miles)	815	300	850
Fueling Time (Min)	15-30	480	15-30
Cost/Mile (Cents)	70.24	43.54	53

1 Based on diesel cost as of September 2021; 6.5 MPG (<https://www.inlandtruck.com/blog/getting-best-mpg-semi-truck/>)

2 All fuel cost/mile numbers exclude incentives

3 Tesla estimates, as published ([www.tesla.com/semi](http://www.tesla.com/semi))

4 Hyzon, investor presentation Feb. 2021 (<https://hyzonmotors.com/wp-content/uploads/2021/02/Hyzon-Investor-Presentation-02.12.21ck.pdf>)





# Hydrogen Vehicles



## Hydrogen Cars

2014 Hyundai Tucson FCEV

2015 Toyota Mirai

2018 Honda Clarity

2020 BMW plans Hydrogen Cars



## Hydrogen Trucks

2020 Hyundai Xcient Fuel Cell

2022/23 Nikola Motors

2020 Toyota Announced

2020 Volvo/Daimler Announced



**NIKOLA**  
MOTOR COMPANY

## Other Vehicles

DAIMLER Mercedes-Benz Sprinter Fuel Cell

DOLOMITECH Minibus A50 – 16 Seats

BMW iHydrogen Next

FORD Ford E350 Fuel Cell Shuttle Bus

Hyundai's ELEC-CITYFuel Cell Electric Bus

\*Not an exhaustive listing

# Hydrogen Production Alternatives<sup>1</sup>

Technology	Onsite/Offsite Production	Cost of Production (Per KG)	Key Raw Materials
<b>Offsite SMR &amp; CSD<sup>2</sup></b> (Compression, Storage & Delivery) Black/Gray Hydrogen	Offsite	\$11.48 <sup>2</sup>	Natural Gas
<b>Electrolysis</b> Green Hydrogen Pink/Red – using Nuclear Power Yellow – using grid electricity White – using waste/plastics	Onsite/Offsite	\$9–\$11 <sup>3</sup>	Electricity <sup>4</sup>
<b>PowerTap Onsite SMR<sup>5</sup></b> (Compression, Storage & Delivery) Black/Gray Hydrogen	Onsite	Under \$2 <sup>3</sup>	Renewable Natural Gas

<sup>1</sup> Source: Levelized Cost of Production Calculated by EIN using data from “California Power-to-Gas and Power-to-Hydrogen Near-Term Business Case Evaluation” Eichman, Josh, Flores-Espino, Francisco, National Renewable Energy Laboratory

<sup>2</sup> Cost to individual Station Owner : Most Hydrogen fueling stations buy and ship offsite Hydrogen from chemical companies <sup>3</sup> Excludes maintenance costs and carbon credit benefits

<sup>3</sup> Excludes maintenance costs and carbon credit benefits

<sup>4</sup> Greater than 60% of USA electricity generated from fossil fuels

<sup>5</sup> Types of Hydrogen: [https://powertapfuels.com/pdf/WSJ\\_Hydrogen\\_Overview\\_Oct\\_2020.pdf](https://powertapfuels.com/pdf/WSJ_Hydrogen_Overview_Oct_2020.pdf)

# Building an Extensive Fueling Station Network



Hydrogen vehicles have major advantages over battery electric, gas and diesel vehicles (driving range, fueling time and cost per mile).



Lack of hydrogen fueling stations in USA (under 70 consumer stations now) is the huge opportunity with 1000s needed in the next 3–5 years.<sup>4</sup>



Billions of dollars of hydrogen trucks and cars expected on the market over the next decade<sup>1</sup> from incumbents (Toyota, Hyundai, Daimler/ Volvo, BMW, Land Rover, etc) and upstarts (Nikola, Hyzon)<sup>2</sup>.



Attractive debt solutions leverage equity invested in PowerTap stations in partnership with existing gas/ truck stop owners for quicker deployment starting in 2022.



California hydrogen infrastructure carbon credits generate attractive cash flow even prior to commercial sales of hydrogen.



The Hydrogen market is expected to be a \$140 billion dollar market in the USA by 2030 and create 700,000 jobs.<sup>3</sup>



Hydrogen's time is now due to clean tech revolution and economic advantages over incumbent technologies.

<sup>1</sup> <https://bit.ly/38D7D9t>

<sup>2</sup> <https://bit.ly/3tclOvH>

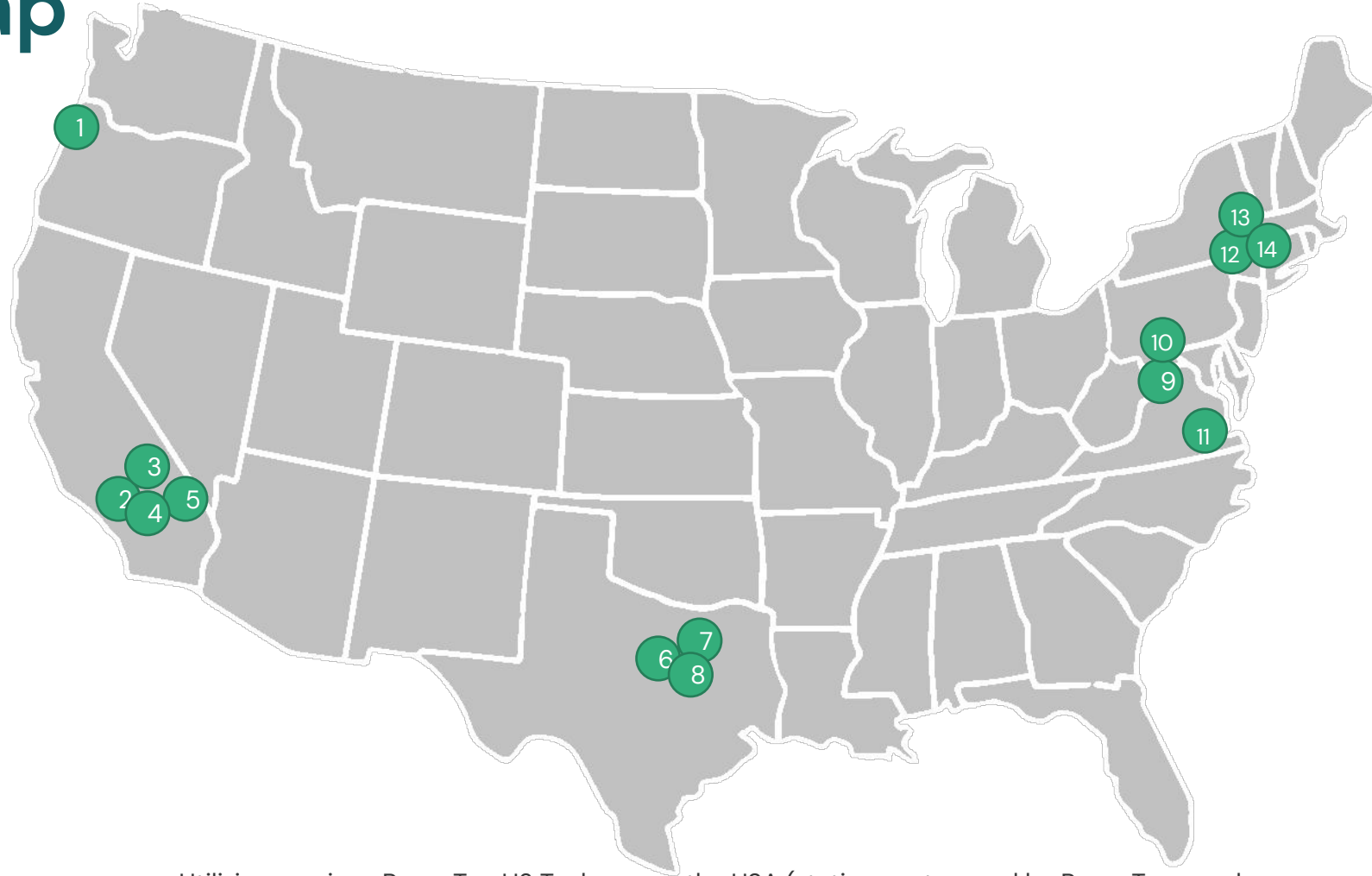
<sup>3</sup> <https://bit.ly/3zO3V8P>

<sup>4</sup> <https://bit.ly/3jGtQtx>



# Hydrogen Stations Using Prior PowerTap Technology

- 1 4000 NE Blue Lake Rd., Fairview, OR
- 2 10400 Aviation Blvd., Los Angeles, CA
- 3 18301 Von Karman Ave., Irvine, CA
- 4 15750 Meridian Pkwy., Riverside, CA
- 5 15751 Meridian Pkwy., Riverside, CA
- 6 7 8 1101 East Pleasant Run Rd., Wilmer, TX
- 9 10 9201 Edgeworth Dr., Capital Heights, MD
- 11 536 Viking Dr., Virginia, VA
- 12 129 Concord Rd., Billerica, MA
- 13 975 University Ave., Norwood, MA
- 14 95 Arlington Ave., Charleston, MA



Utilizing previous PowerTap H2 Tech across the USA (stations not owned by PowerTap nor does PowerTap have any financial interest in)

# Hydrogen Fueling with Onsite Production

PowerTap produces the same Hydrogen output in 1/5th the space!



**MORE EXPENSIVE**  
Competitive Technology  
Compress, Store, Dispense (CSD)



**LESS EXPENSIVE**  
PowerTap Solution  
Make Hydrogen Onsite

Potential US Department  
of Energy Loans

(70+% of CAPEX)

Patented Fueling  
SMR Technology

Large Portfolio of IP



Gas Station Partnerships with Andretti  
Group with Future Truck Station  
Partnerships on the Horizon

Carbon Credits = Cashflow  
Pre Commercial Revenues



# IndyCar Partnership



Delvin DeFrancesco's "Road to Indy" partner PowerTap Hydrogen graduates with him to IndyCar



PowerTap Hydrogen no.29 Indy car will be used in 2022 races in the IndyCar series



The IndyCar series broke an NBC Sports total audience delivery record with 18 million viewers in 2021 making it the most watched IndyCar series since 2016

"To see the car for real and have my name on it is a fantastic feeling. I'm incredibly grateful for the continued support of PowerTap Hydrogen, who has been with me on the Road to Indy."

– Delvin DeFrancesco



**Devlin DeFrancesco**  
INDYCAR 2022 Racer

# PowerTap Economics

Minimum Annual Carbon Credits for a 1,250 kg PowerTap Fueling Station in California

CAPEX per One PowerTap Station <sup>1</sup>	\$7 Million
Funding <sup>2</sup>	Debt + Equity
Debt	Low Interest, DOE Guaranteed <sup>3</sup>
Estimated HRI Carbon Credits prior to Selling any Hydrogen <sup>4</sup>	~\$2 Million

Notes

1. PowerTap shares revenue with fuel stations in return for hosting PowerTap Hydrogen fueling stations at their current station locations.

2. Partnerships with car & truck fueling stations

1

Long-term manufacturing cost anticipated to improve based on volume orders/economies of scale and production improvements; includes carbon capture

2

US Government and private sector have attractive loan programs for clean tech infrastructure

3

Through DOE Title XVII Loan Program, applicant must be deemed eligible by DOE. Application in process (Phase I)

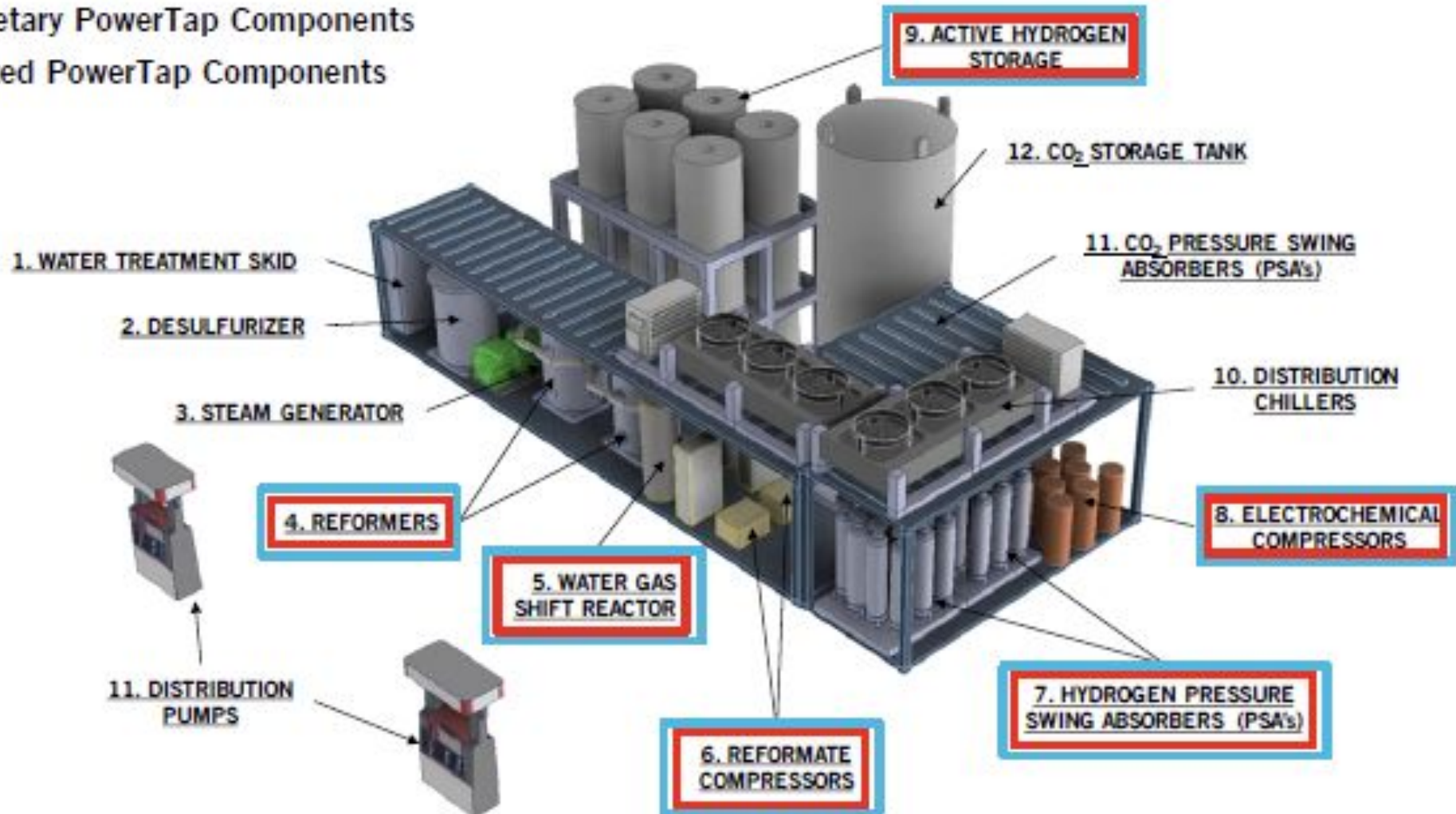
4

Estimated Hydrogen Refueling Infrastructure (HRI) > \$2million per year for 15 years based on using Renewable Natural Gas (RNG) as feedstock and achieving a low to negative CI score.



# PowerTap Gen3

- Proprietary PowerTap Components
- Patented PowerTap Components



# PowerTap Advantages

- Smallest footprint Onsite Blue Hydrogen system – under 1,000 sf
- Designed to meet Underwriter Laboratories (UL) safety standards
- Has capacity to produce 1,250 kg of 99.995% pure hydrogen per day
  - Feedstock of 40% Renewable Natural Gas (i.e., Biomethane)
- Designed to operate 4,000 hours without maintenance and life cycle of over 40,000 hours
  - Fuel processor hanging tube design is expandable and designed for ease of maintenance
  - Replaces compressed gas storage with 250 Kg liquid storage greatly improving site safety
    - CO2 fire suppression system supplied from captured CO2

# Key Intellectual Property

## PowerTap 13+ Issued Patents

Method of fabrication reduces the overall footprint of the Fuel Processor unit but is also critical to the system's ability to thermal cycle in hours not days

Provides improved reactance of catalysis and reduces catalysis crush during startup and shutdown periods

Greener solution than other SMR solutions.

# PowerTap Strategic Investments

Range of Investments Covering the Renewable Spectrum of Hydrogen Production



NextHydrogen ([www.nexthydrogen.com](http://www.nexthydrogen.com))  
Production of 20% lower CAPEX/OPEX per kg than competing electrolysis solutions



FusionOneTM ([www.fusionone.co](http://www.fusionone.co)) – Production of technology thermal solution from plastic waste White Hydrogen via combined



Advanced Electrolyzer System (AES) – Production of Green Hydrogen via gasification of woody biomass/municipal solid waste and hydrogen recovery from natural gas pipelines (49 percent owned by PowerTap)

# Management Team



**Raghu Kilambi**  
CEO and CFO

Raghu Kilambi is an experienced investor and entrepreneur with over 25 years of global business experience in public and private investments, building businesses and creating shareholder value.



**Salim Rahemtulla**  
President

Salim Rahemtulla has over 30 years of private and public sector experience in real estate development, asset management, banking/lending, operations and facilities management.



**Margarito Rodriguez**  
Chief Financial Officer

Margarito is an active CPA with over 12 years of professional experience, 9 in public accounting and the last 3 as a corporate finance officer in the consumer goods industry.



**George Steinbrenner IV**  
PowerTap Advisory Board

George Steinbrenner IV is the youngest team owner within the NTT INDYCAR Series. His own embrace of practicing sustainability, reinforced by leadership and examples within his family and related businesses, adds to a commitment of following the lead of INDYCAR in having announced a planned move to implement single-source hybrid systems beginning in 2023.



**Dave Rogers**  
PowerTap Advisory Board

Dave Rogers is the Founder & CEO of Amp Energy, an energy transition platform company. Founded in 2009, Amp has become one of the leading global renewables companies having successfully developed and built over 1.8 gigawatts renewable generation projects, hybrid generation plus battery storage projects, and stand-alone battery storage projects around the world.





# Stock Info



NEO: MOVE



OTC: MOTNF



FRA: 2K6

**Price Per Share:** CAD \$0.14

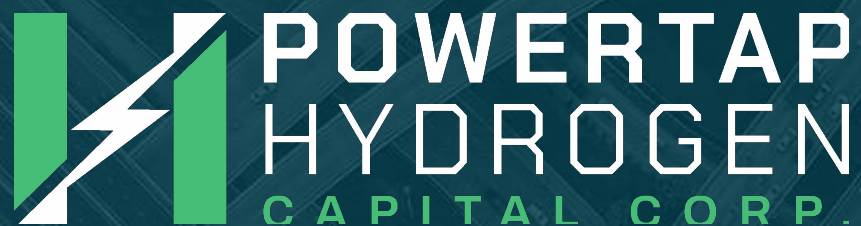
**Market Cap:** \$54 million

**AD Volume:** 517,000 shares

**I/O Shares:** 312m

**F/D:** 343m

**Insider & Founder Ownership:** 20%



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