On-Site Hydrogen Production and Dispensing System
PowerTap History

1999
$19.9M DOE Funding for Fully Optimized Fuel Processing Subsystem (Arthur D. Little)

2000
Arthur Little launches Nuvera project and gets funding in early years from DOE, Renault and others

2001
Development of Commercial Multifuel Fuel Processors / Stacks for Micropower and Mobile Applications

2008
Hess buys out Renault and De Nora

2014
Nacco Materials Handling Group ("NMHG") acquired Nuvera from Hess

2016
NMHG renames itself as Hyster-Yale Group

August 2020
PowerTap Hydrogen acquired PowerTap IP, technology and trademark – Generation 2 facility (50 kg/day capacity)

Late 2020
Developing Generation 3 PowerTap Facilities (1,250 kg/day capacity) – 25x capacity, full modular unit, carbon capture and sequestration

June 2021
Clean Power Capital Corp renamed as PowerTap Hydrogen Capital Corp

October 2020
PowerTap became subsidiary of Clean Power Capital Corp.

January 2021
Formed partnership with the Andretti Group to deploy 10 stations in California

January 2022
Andretti Group to deploy a minimum of 10 stations and a partnership to distribute PowerTap’s technology across the USA

Late 2020
Developing Generation 3 PowerTap Facilities (1,250 kg/day capacity) – 25x capacity, full modular unit, carbon capture and sequestration
Wholly owned subsidiary of **Powertap Hydrogen Capital Corp.**

- **NEO:** MOVE
- **OTC:** MOTNF
- **FRA:** 2K6

**Powertap Hydrogen Fueling Corp.** – on-site H₂ production with the most cost-effective solution/technology

Previously “Clean Capital Corp”

Diverse Investments in clean energy

Formed in 2020
PowerTap/Andretti 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
Existing PowerTap Gen2 Stations

1. 4000 NE Blue Lake Rd., Fairview, OR
2. 10400 Aviation Blvd., Los Angeles, CA
3. 18301 Von Karman Ave., Irvine, CA 92614
4. Meridian Pkwy., Riverside, CA 92507
5. Meridian Pkwy., Riverside, CA 92507
6. 101 East Pleasant Run Rd., Wilmer, TX
7. 9201 Edgeworth Dr., Capital Heights, MD
8. 536 Viking Dr., Virginia, VA
9. 129 Concord Rd., Billerica, MA
10. 975 University Ave., Norwood, MA
11. 95 Arlington Ave., Charleston, MA

Utilizing previous PowerTap H2 Tech across the USA (stations not owned by PowerTap)
PowerTap Gen3 Advantages (On-Site vs CSD)

• PowerTap Gen3
  • Proprietary technology with onsite production and dispensing
  • SMR with CCUS with RNG - Zero to Negative CI
  • DOE Award Winning
  • Scalable for HD FCET Fueling

• On-Site Production/Dispensing vs. Traditional Compress-Store-Dispense (“CSD”)
  • H₂ Transport Not Required – Reduced Cost
  • Liquid H₂ Not Required – Reduced Operational Cost
  • Autonomous Operations/Data Analytics
  • On-Site - No Delays, No Excuses, No Transport, No Hassles
1. WATER TREATMENT SKID
Creates ultra-pure water by removing impurities such as silica, calcium, and chlorides from regular potable water and stores in a 250 gal tank.

2. DESULFURIZER
Purifies Natural Gas for the reforming process.

3. STEAM GENERATOR
Creates steam for PowerTap Gen 3 Reforming process.

4. Reformers
Reforms steam and natural gas mixture to produce 75% of the Hydrogen.

5. WATER GAS SHIFT REACTOR
Creates more Hydrogen using the CO produced in the reformer. Produces 25% of the Hydrogen.

6. REFORMATE COMPRESSORS
Compresses Process Gas for PSA Purification.

7. HYDROGEN PRESSURE SWING ADSORBERS (PSA's)
Separates and refines Hydrogen PSA waste gas to 99% CO2 for liquefaction and aftermarket use.

8. ELECTROCHEMICAL COMPRESSORS
Compresses high-purity Hydrogen to from 360 to 900 BAR.

9. ACTIVE HYDROGEN STORAGE
875 BAR storage Tanks.

10. DISTRIBUTION CHILLERS
Cools the Hydrogen before it's delivered to the Distribution Pump.

11. CO2 STORAGE TANK
Stores 6,000 gal OF liquid CO2.

11. CO2 PRESSURE SWING ADSORBERS (PSA's)
Separates and refines Hydrogen PSA waste gas to 99% CO2 for liquefaction and aftermarket use.

12. CO2 STORAGE TANK
Stores 6,000 gal OF liquid CO2.

11. DISTRIBUTION PUMPS
Interfaces with the vehicle to deliver hydrogen to the fuel tank.

11. CO2 PRESSURE SWING ADSORBERS (PSA's)
Separates and refines Hydrogen PSA waste gas to 99% CO2 for liquefaction and aftermarket use.

Distribution Center Process Overview
How the Process Works

PowerTap Gen3
PowerTap Gen3 – Major Components

<table>
<thead>
<tr>
<th>Component</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Treatment Skid</td>
<td>Creates ultra-pure water by removing impurities such as silica, calcium, and chlorides from regular potable water</td>
</tr>
<tr>
<td>Desulfurizer</td>
<td>Purifies natural gas for the reforming process</td>
</tr>
<tr>
<td>Steam Generator</td>
<td>Creates stream for PowerTap Gen3 reforming process</td>
</tr>
<tr>
<td>Reformers</td>
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<td>Water Gas Shift Reactor</td>
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</tr>
<tr>
<td>Reformate Compressors</td>
<td>Compresses process gas for PSA purification</td>
</tr>
<tr>
<td>Pressure Swing Absorbers</td>
<td>Separates and refined reformate to 99.7% hydrogen</td>
</tr>
<tr>
<td>Electro-chemical Compressors</td>
<td>Compresses high-purity hydrogen from 360 to 900 BAR</td>
</tr>
<tr>
<td>Hydrogen Storage</td>
<td>875 BAR storage tanks</td>
</tr>
<tr>
<td>Distribution Chiller</td>
<td>Cools the hydrogen before it is delivered to the distribution pump</td>
</tr>
<tr>
<td>Dispensing Pumps</td>
<td>Separates and refines hydrogen PSA waste gas to 99% CO₂ for liquification and aftermarket use</td>
</tr>
<tr>
<td>CO₂ Storage Tank</td>
<td>Stores 6,000 gallons of liquid CO₂</td>
</tr>
</tbody>
</table>
Modular Hydrogen Production and Dispensing Unit – Small Footprint

• Onsite production and dispensing – Eliminates CO$_2$e compared to CSD
• Use of 41% RNG neutral to negative CO$_2$e
• Improvements over other SMRs:
  o Catalyst Life Extended to Eight Years
  o Use of Hot Standby Mode with two 625 kg SMRs
  o Use of electrochemical or metal hydride compression
  o Scalable for heavy duty FCET fueling
• Cost $\leq$ $4.00/kg - Lower than current hydrogen production methods
Fortuna PowerTap Station
Fortuna PowerTap Station