



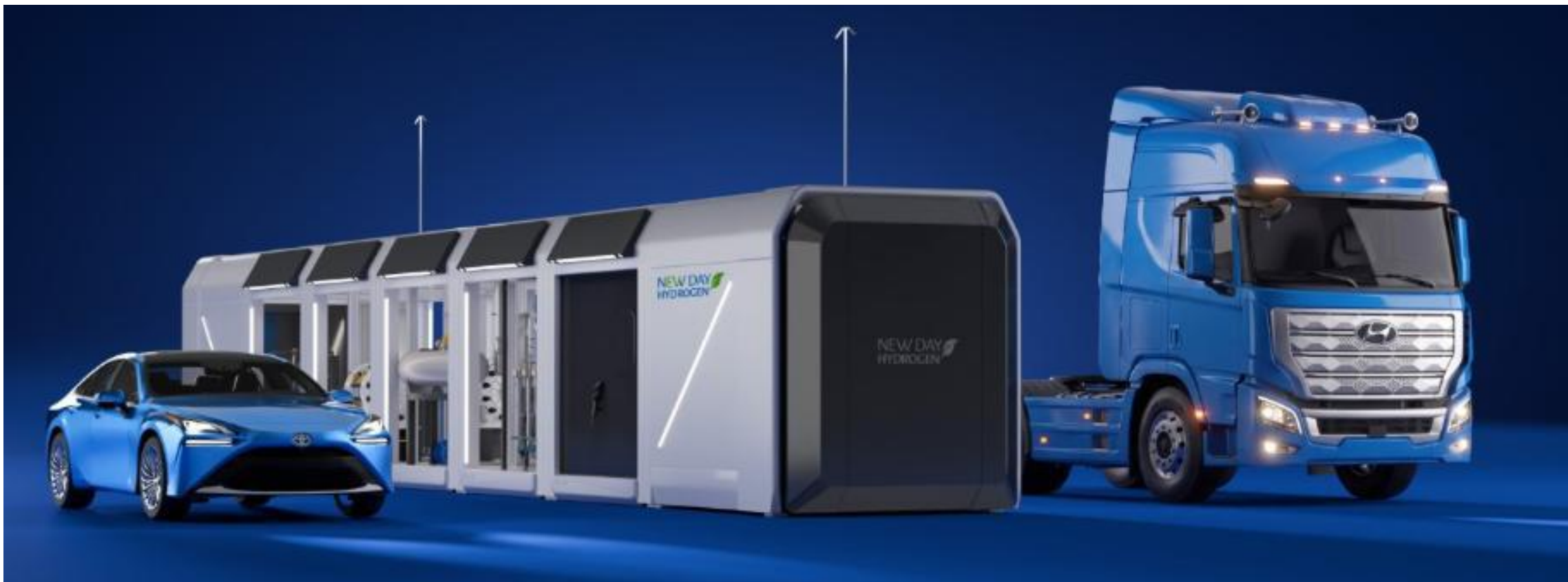
www.colorado-hydrogen.org

Monthly Meeting
15 September 2026

Agenda

- Three hydrogen fuel stations
 - Completing Phase 1
- HEFT Matching Grant
- Events
 - Saoradh Hydrogen Mountain Retreat
 - Hydrogen Day
- HySky Society overview
- CHN Initiatives
- Upcoming podcasts
- AI Manifesto & critique
- Group Discussion

Three Hydrogen Fuel Stations

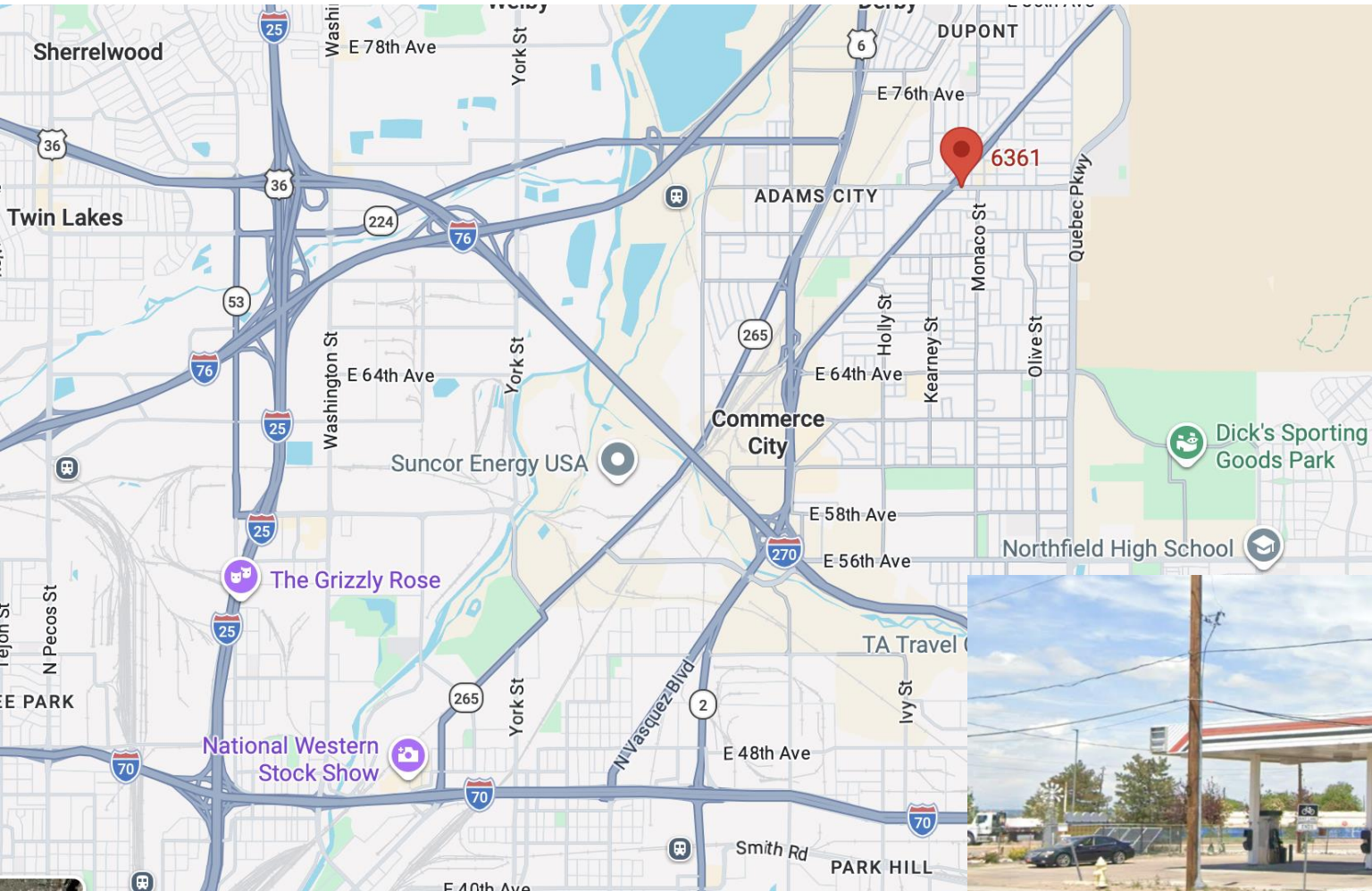


H₂ Fuel Station Update

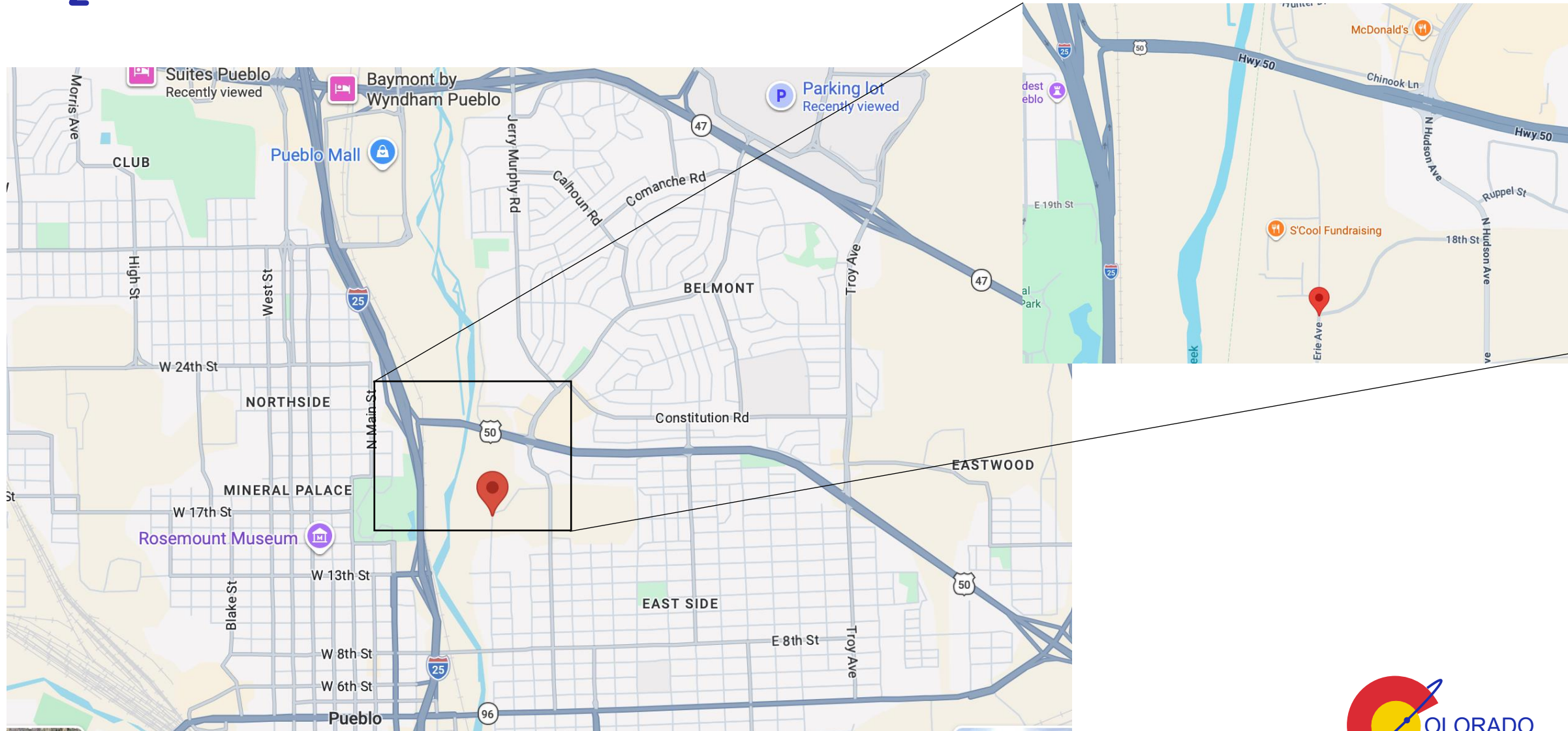
- On-track for 3Q 2027 fueling start
- Program Phase 1 of 3 nearing completion
 - Finalized design and drawings, site plans, HAZOP review
 - Awaiting design review and authorization to proceed to Phase 2
- Phase 2 – Assembly and construction
 - Will start after Phase 1 approved
- Vehicles and fleets
 - Continued conversations with vehicle makers / integrators
 - Advancing "Term sheets" with fleet customers
- Pursuing matching funding (\$2M)
 - Enlisting commitments from investors
- Denver (Commerce City) and Pueblo sites identified.

HAZOP (Hazard and Operability Study) is a structured, team-based brainstorming method used to spot safety hazards and operational problems in complex systems

H₂ Fuel Station Site - Commerce City



H₂ Fuel Station - Pueblo



Hydrogen Energy Foundation Trust



- Tax-deductible donations can be used to help fund projects and programs
 - Vehicles
 - Workforce development



Jim Fouch
Exec. Dir.

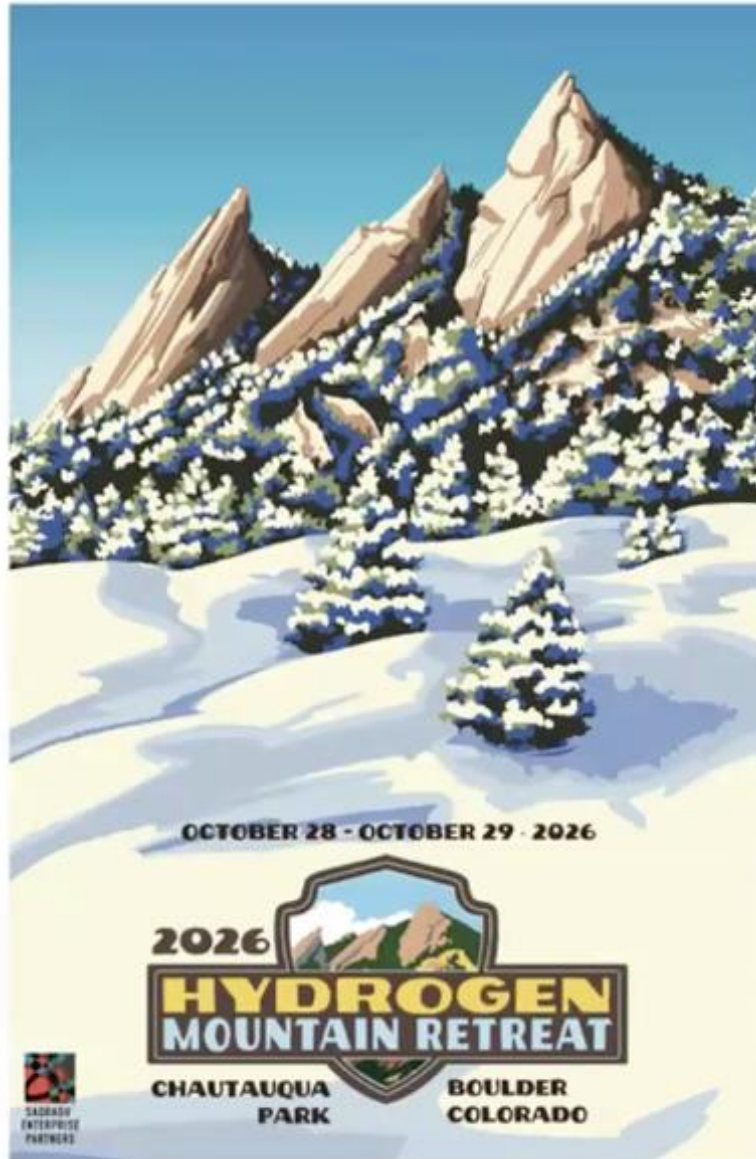
*Check out the
updated website*

www.heftfoundation.org

Matching Grant

- Brian DeBruine will match donations to HEFT 1:1
 - Up to \$2,500 total
 - Donations are tax-deductible
- Send checks to:
Hydrogen Energy Foundation Trust
888 Logan Street, Unit 5-i
Denver, CO 80203
- For more information, contact Jim Fouch at:
giving@heftfoundation.org

Saoradh Hydrogen Mountain Retreat



**SAORADH™
ENTERPRISE
PARTNERS**

Check out the
podcast



- Third annual retreat
 - Oct 27 – 29, 2026
 - Two days of presentations, group discussions and networking
 - Invitation-only event
- Hosted by Saoradh Enterprise Partners, Boulder
- It brings together leaders, startups, and investors in the clean energy and hydrogen ecosystem
- CHN invited to attend again for the third year
 - Podcasts will be recorded on-site



Hydrogen Mountain Retreat Agenda

- Discussion panels
 - Port Decarbonization & Mobility
 - Ship Bunkering & Carriers
 - Geologic Hydrogen
 - Pyrolysis & Solid Carbon Markets
 - Byproduct Supply
 - Green & Blue Derivatives
 - California transportation roadmap
- Guests will be able to record podcasts
- NLR (N-Rock) tours
- Keynote speakers
 - SAF (Sustainable Aviation Fuel)
 - US Hydrogen Supply.

Hydrogen Day 2026



- We had hoped to host a Hydrogen Day this year to highlight the coming three hydrogen fuel stations known as the “Hy-25” program
- Although the Hy-25 program is progressing well, there won’t be enough to “show-and-tell” by Hydrogen Day on October 8th
- So we have decided not to proceed with an event.

HySky Society

- HySky Society is a 501(c)(3) charitable non-profit dedicated to the decarbonization of aviation by advancing hydrogen and battery electric flight
- Led by CEO and founder Danielle McLean



Danielle McLean
HySky CEO and founder



Link to HydrogenNowCast with Danielle
Episode 76, 7/28/23

hysky.org
youtube.com/@hy-sky



Who is HySky For?

- HySky Society is for anybody interested in hydrogen and battery electric aviation
 - Innovators building eVTOL's, drones, regional, and fixed-wing aircraft
 - Experts in fuel cells, batteries, and electric drivetrains
 - Leaders in hydrogen production and Clean energy logistics
 - Developers of advanced refueling, charging, and onboard storage
 - Researchers, academia, students, standards, and policy-makers.

HySky Core Programs

Programs	Details	2025 Impact Outcome
Series HySky Monthly	Free zero-carbon aviation webinars on the third Monday of every month	12 webinars in 2025 (75 total), 4,500+ viewers and 800+ hours watched on electric aviation
Conference FlyingHY	The world's premier annual zero-carbon flight conference November 4, 2026 on-line	600+ attendees (live and recordings), sparked 15 strategic partnerships, 8 startups, and 75 job connections
Education HySky Edu	A growing catalog of hydrogen and battery electric aerospace courses	85 professionals certified in electric aircraft design (fixed-wing and eVTOL) and 41 certified in H2 safety
Community HySky Connect	A membership platform that connects the zero-carbon flight ecosystem	Stood up the HYSKY Connect network in 2025 and grew from zero to 500+ members including 32 paying members
Media HySky Pod	A podcast featuring aviation, hydrogen, & climate tech innovators	Reached 2,400+ views with 130+ hours watched, amplifying the vanguard of zero-carbon tech

Website: hysky.org

CHN Initiatives

(#)

Initiatives

- Hydrogen Council-of-Councils
- Transit – Deploying hydrogen buses and shuttles
- Hydrogen passenger car “Beta Testers”
- Powering Data Centers with geo hydrogen
- Encouraging a Hydrogen Deployment ***Plan*** in Colorado
- The podcast

CTE Hydrogen Council of Councils

- CTE* is sponsoring a “Council of Councils” to facilitate cooperation between hydrogen advocacy organizations



*Center for Transportation and the Environment

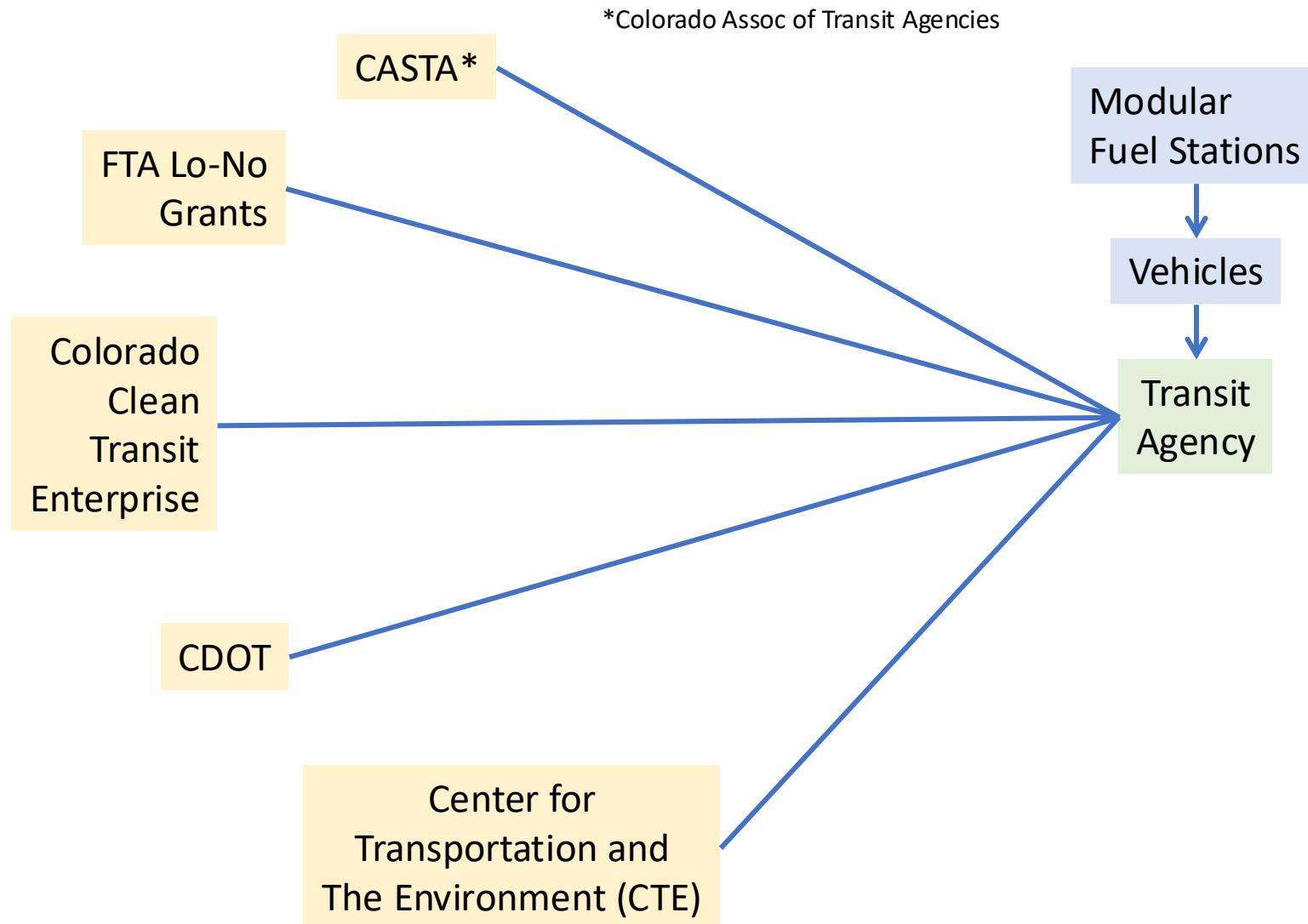


CTE Hydrogen Council of Councils

- Texas Hydrogen Alliance, texashydrogenalliance.org
 - Susan Shifflet
- US Hydrogen Alliance, ushydrogenalliance.org
 - Roxanna Bakemohammadi
- SE Hydrogen Energy Alliance, seh2.energy
 - David Doctor, Principal
- Colorado Hydrogen Network, colorado-hydrogen.org
 - Brian DeBruine, Director
- Northeast Hydrogen Alliance (see Linked-In)
 - Sashe Annett, Founding Director
- Renewable Hydrogen Alliance, renewableh2.org
 - Martina Steinkusz, Director of Market Development
- Hydrogen Fuel Cell Partnership, h2fcp.org
 - Jennifer Hamilton, Operations and Tech Director



Initiatives - Transit



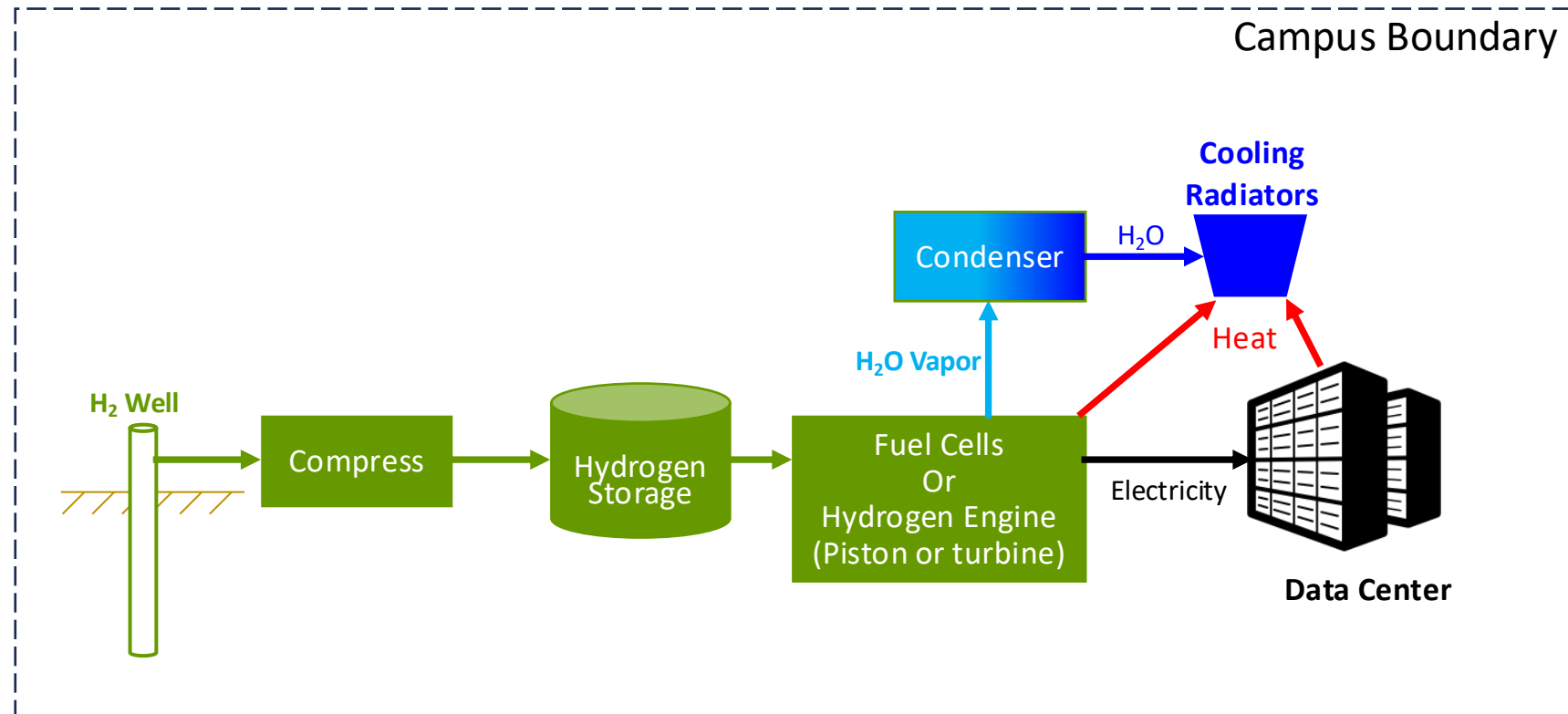
Initiatives – FCEV Beta Testers

- Concept – An organized group (a club?) of “Beta Testers” to be introductory users of passenger Fuel Cell Electric Vehicles (FCEV) in the metro area
- Purpose
 - To introduce FCEV’s to the area before automakers begin selling locally
 - Advertising hydrogen via vehicle graphics
 - Provide hydrogen offtake for fuel stations
 - Ambassadors for hydrogen transportation
- Led by CHN
 - Coordinate the program
 - Educate the users about the cars, fueling limitations, etc.
 - Liaison with automakers.



Initiative – Powering Data Centers with Geo H₂

- Requires no grid connection for electricity OR water
- Cost-competitive with natural gas
- Half the price of grid electricity
- Helps start the hydrogen market with supply and user at the same scale
- Lo-cost hydrogen available for other uses like transportation.



Initiatives – A Hydrogen Deployment “Plan”

- Society lacks concrete PLANS to get to 100% decarbonization for each energy sector
 - “To fail to plan is to plan to fail”
- Good plans must have goals with dates plus detailed steps to get there
 - “A goal without a plan is just a wish”
- A federal Clean Energy plan is unlikely under current administration
 - State plans are a possibility
 - Grass-Roots efforts possible but slower
- CHN to work within the State to encourage plans for:
 - Hydrogen fuel stations (quantity, locations)
 - Geologic Hydrogen development to power Data Centers.

HydrogenNowCast Podcast

- Episode 100 just released!
- First podcast aired May 25, 2020
- To date, 48,000 downloads world-wide
- Future podcasts:
 - “California Hydrogen Stations Lessons-Learned”
 - “Southeast Hydrogen Alliance”
 - “A New Liquid Organic Hydrogen Carrier (LOHC)” with Ayrton Energy.

Zuckerberg AI Manifesto

Zuckerberg AI Manifesto

Aug 10, 2026 – Meta CEO Mark Zuckerberg published a 6,500-word Artificial Intelligence manifesto titled “The Future is for Everyone, the Path to a Positive AI Future”

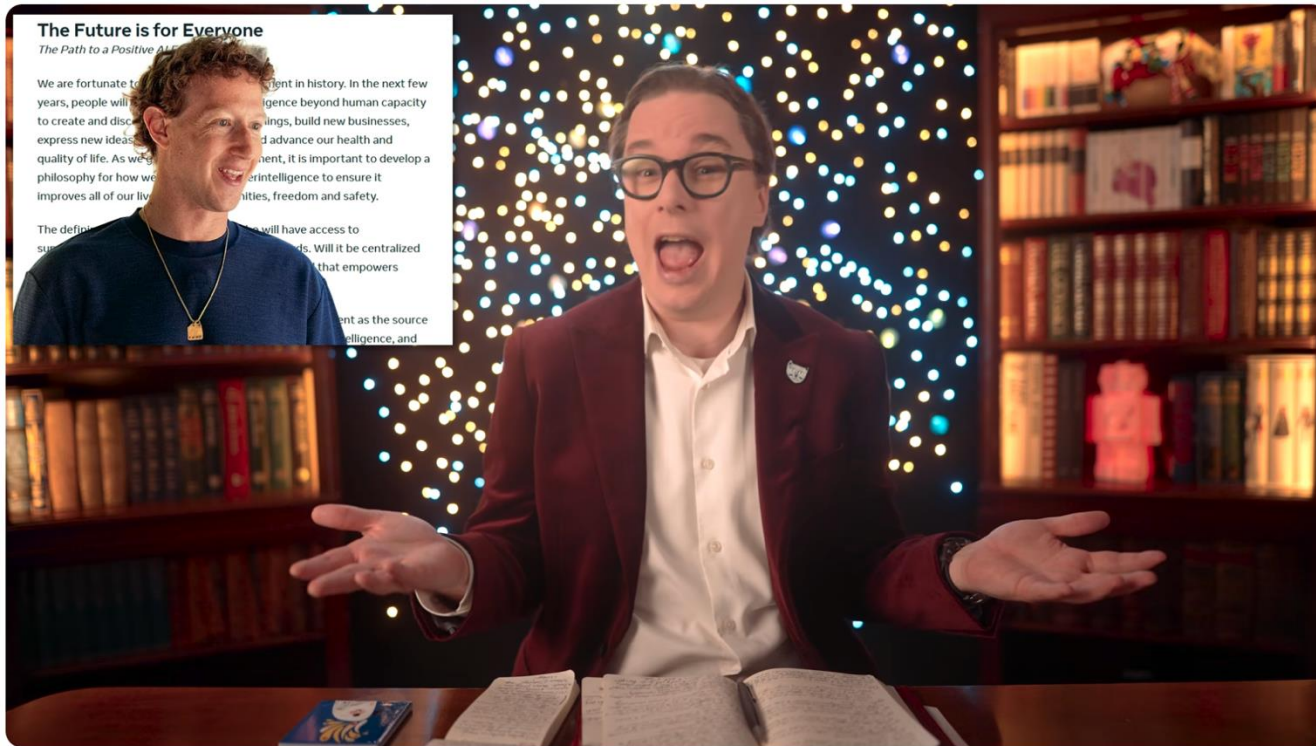
Key Themes

- **Individual Empowerment** – The primary goal of superintelligence should be empowering people rather than concentrating power in a few mega-institutions or governments
- **Open-Source Access** – Advocates for open-weight AI models to diffuse control and prevent closed-frontier rivals from monopolizing the technology
- **Personal Superintelligence** – The manifesto details plans for personal AI agents designed to assist with learning, business creation, health, and daily life management
- **Jobs and Economy** – Predicts that AI will not cause mass unemployment, but will instead fuel a rise in small, entrepreneurial companies.

AI Manifesto Criticisms

- **Convenient Moral Principles:** Every moral or philosophical stance in the manifesto aligns directly with Meta's commercial and lobbying interests – such as pushing open models (where Meta trails competitors) and urging lightweight government regulation
- **Privatizing Profit but Socializing Risk:** The manifesto attributes all positive AI outcomes to individual empowerment provided by Meta, while framing risks (such as misuse or infrastructure security) as the responsibility of governments and other institutions to handle
- **Presumption of Inevitability:** Rather than genuinely evaluating whether superintelligence is worth the societal costs and risks, the document treats the technology's arrival as inevitable and desirable, functioning more as corporate ideology and advertisement than actual philosophy.

AI Manifesto Critic "PhilObot"



PhilObot is a YouTube podcast by Dr. Drew Ninnis who has a PhD in philosophy and uses his background to explore deep philosophical themes in pop culture, sci-fi literature, current events, and films.



PhilObot YouTube link

A Word About AI

“The saddest aspect of life right now is that science gathers knowledge faster than society gathers wisdom.” -*Isaac Asimov in 1988*

Knowledge $\neq$ Wisdom

AI is just a tool. And as with any tool, the quality of the result is dependent on the skill of the craftsman.

“Many highly intelligent people are poor thinkers. Many people of average intelligence are skilled thinkers. The power of the car is separate from the way the car is driven.” -*Edward DeBono*

Intelligence $\neq$ Wisdom

AI has no more understanding of what it produces than a parrot understands language

AI pundits predict the coming of AI General Intelligence, yet we don't even know how the human brain really works.



HydrogenNowCast



Podcast