

Ace Hydrogen

Up to 175 metric tons per day green hydrogen facility to decarbonize industrial, power, and transportation sectors

NovoHydrogen is engaged with customers in the broader Hutchinson County region that are interested in decarbonization to purchase cost effective long-term volumes of green electrolytic hydrogen from our hydrogen production facility, named Ace Hydrogen. The project will qualify for the full \$3/kg H₂ Production Tax Credit (“PTC”) outlined in Section 45V of the tax code in the Inflation Reduction Act (“IRA”).

Green hydrogen can be used in a variety of different applications: replacing existing fossil-based hydrogen in manufacturing and industrial facilities, providing backup power, replacing fleets with zero-emission hydrogen-fueled alternatives, and bridging the intermittency of renewable resources with dispatchable hydrogen.

Project summary

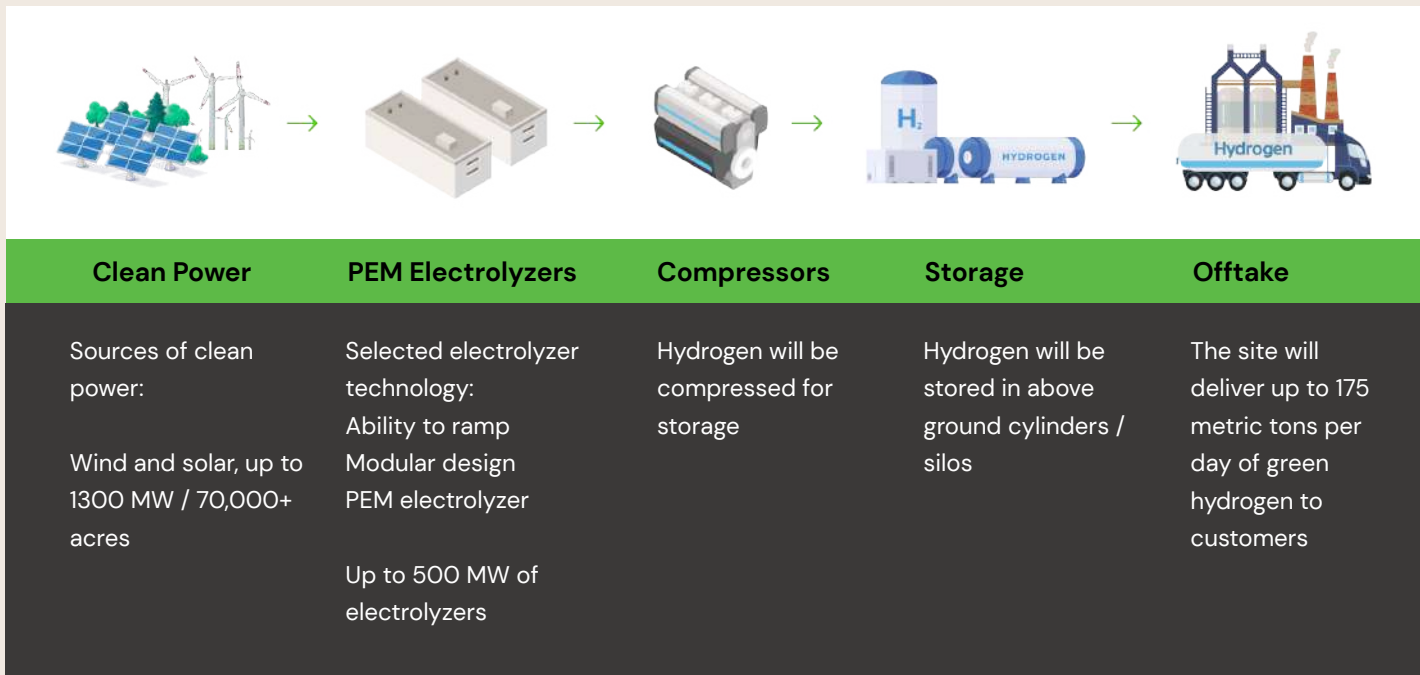
NovoHydrogen will own and operate a green hydrogen production facility in Hutchinson County on up to ~70,000 acres serving regional hydrogen demand. The project involves installing up to 1300 MW of electrolyzers to supply green hydrogen to decarbonize various customers’ operations under a long-term hydrogen purchase agreement (“HPA”), for which we are currently securing offtake with industrial, transport, and power generation customers.



Project details

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| Facility location: | Hutchinson County, TX |
| Facility concept: | Up to ~70,000 acre production facility serving regional hydrogen demand |
| Hydrogen production: | Up to 175 metric tons of H ₂ per day |
| Source of power: | Up to 1300 MW of behind-the-meter solar and wind power generation |
| Commercial status: | Securing customer offtake |
| Expected Commercial Operations Date: | 2028 |

Novo is currently progressing term sheet and hydrogen production agreement (“HPA”) offtake negotiations. Please reach out to ace@novohydrogen.com for more sales or project information.



Impact

✓ GHG Emissions and Environmental Impact

The project will reduce CO2 emissions and improve local air quality. Additionally, AVH1 will use approximately 10% of the business-as-usual agricultural water consumption, significantly contributing to water conservation efforts.

✓ Community Engagement

The Novo team has already started engaging with academic institutions, public officials, environmental justice groups, labor unions, and other community engagement organizations to provide full transparency for the project to ensure it benefits the community. We have engaged with the Economic Development Corporation as well as multiple County Commissioners.

✓ Job Creation

The project is expected to create at least 400–500 construction jobs and multiple high-paying long-term operational jobs for the surrounding community. NovoHydrogen will be paying prevailing wage rates for all contractors engaged in the construction, alteration, or repair of the facility.

✓ Environmental Justice

NovoHydrogen intends to hire and engage a diverse workforce and equitably allocate project benefits to underserved communities.

About NovoHydrogen

NovoHydrogen (“Novo”) is a green hydrogen project developer, based in the U.S., with decades of combined renewable energy development and oil and gas experience throughout North America. The team brings this expertise to the difficult-to-decarbonize industrial, transportation, and power sectors through the development and supply of green hydrogen. Novo focuses on origination, procurement, project development, financial structuring, construction, and operations of renewable hydrogen projects. NovoHydrogen provides both onsite and offsite green hydrogen production solutions. Novo can help generate hydrogen where a customer needs it with an on-site electrolyzer powered by renewable energy. Novo also leverages the scale of off-site green hydrogen projects to deliver hydrogen reliably to the site of any customer’s operations.