



**We are a “pure-play”
green hydrogen
developer**

Our Mission

Ambient Fuels is tackling the toughest decarbonization challenges with scalable green hydrogen solutions.



Our Approach

We deliver custom-engineered green hydrogen solutions. Blending development and technical expertise with our renewable energy and industrial process experience, we oversee every step of execution - from project development and design to financing and construction.



Our Impact

Adopting a zero-carbon molecule solution enables ammonia producers to achieve low-carbon goals, ensure reliable hydrogen supply, and position themselves to capitalize on declining green hydrogen costs.



Benefits of Green Hydrogen for Ammonia Production

- **Emissions-free:** Green hydrogen is produced using renewable electricity, resulting in zero carbon emissions.
- **Scalable:** Green hydrogen production capacity can be easily scaled to meet growing demand.

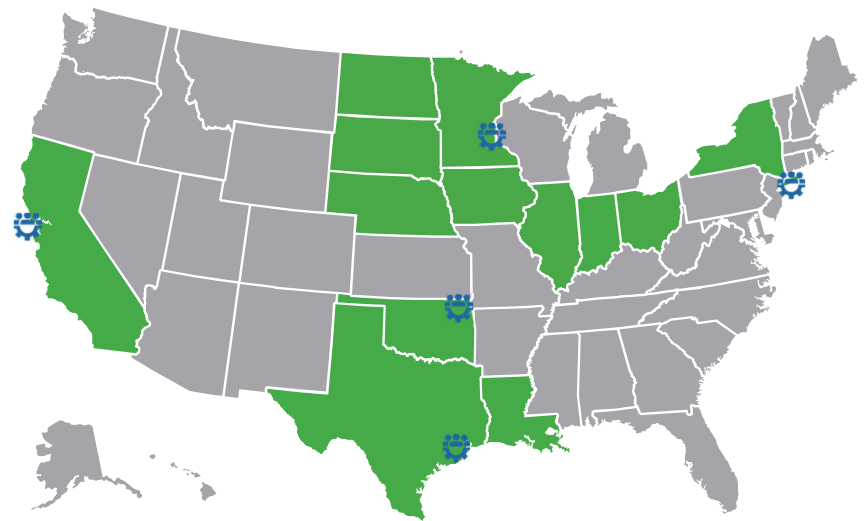
How Ammonia Producers Can Use Green Hydrogen

- **Blending:** Ammonia producers can start by blending green hydrogen with gray hydrogen to reduce their carbon footprint.
- **Full conversion:** Ammonia producers can convert their existing plants to use green hydrogen exclusively.
- **New production facilities:** Ammonia producers can build new facilities that use green hydrogen from the start.

How we are engaging with ammonia partners

- Projects dedicated for over the fence supply for existing ammonia production assets
- Co-development of greenfield green ammonia facilities
- Focused in particular on RFNBO compliance for export markets; renewable structuring expertise in optimizing hourly matched renewable power procurement
- Working on AEA certification committee to ensure system is flexible enough to allow for EU compliance as well as other regulatory and voluntary markets

Our Presence



Certification for low-carbon ammonia

- Patchwork regulatory framework poses challenges for producers seeking to develop projects that meet all potential offtaker needs in the most cost-effective way
- Poses challenges to develop certification frameworks that are flexible enough to support various requirements associated with voluntary, compliance, incentive and carbon tax markets
- AEA certification scheme is being designed to maximize flexibility; however, not all needs can be met perfectly
- Allows producers to serve various markets under a comprehensive scheme and can support development of voluntary demand markets
- Expected near-term demand for green ammonia still to be driven by EU regulatory markets, requiring projects to be structured to meet requirements
- If certification could be expanded to support low participation in carbon offset markets, voluntary demand could be a significant driver of adoption

