



TURQUOISE HYDROGEN PLANT



About US

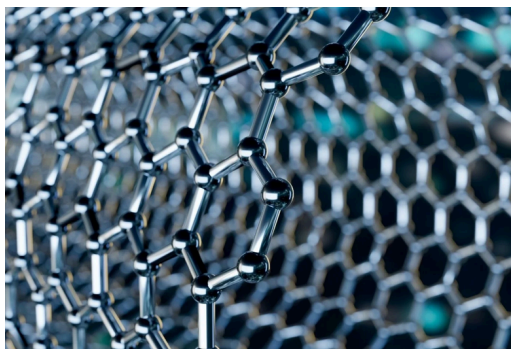
Curve H2 is transforming the energy landscape by producing **zero-emission** hydrogen through advanced Pyrolysis technology. This innovative approach not only generates hydrogen of the **highest purity** but byproducts like high-quality carbon materials, addressing both energy generation and environmental.

Our proprietary reactor technology converts a wide range of hydrocarbon gases—whether from raw emissions, or captured streams—into **hydrogen**, carbon nanomaterials, and next-gen **battery** components. expertise and strategic collaborations, Curve H2 is positioned as a future leader in sustainable energy carbon materials.



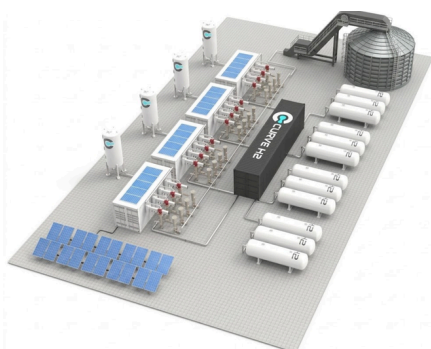
HYDROGEN

Unlock the future of clean energy with zero-emission, **decentralized** hydrogen production—powering a world free from fossil fuels. Our cutting-edge technology delivers on-demand, high-purity hydrogen without CO₂ emissions, **revolutionizing industries** from transportation and aviation to steel, chemicals, and energy storage. By eliminating reliance on centralized fossil-based hydrogen, we empower businesses with a **scalable**, cost-effective, and sustainable solution for deep decarbonization. The future isn't just green—it's independent, efficient, and **unstoppable**.



GRAPHITE

Revolutionizing the future of **materials**, our zero-emission, decentralized graphite production delivers ultra-pure, battery-grade **graphite** without the environmental toll of traditional mining and refining. Using cutting-edge technology, we produce high-performance graphite for EV **batteries**, energy storage, semiconductors, aerospace, and advanced manufacturing—helping to decarbonize industries that power the modern world. Scalable, sustainable, and innovation-driven, our graphite is paving the way for a cleaner, **electrified future**.



OUR DISTINCT ADVANTAGE:

- **Economically Priced Hydrogen:** Affordable production methods to facilitate mass adoption.
- **Decentralized Production:** On-site hydrogen generation minimizes transportation needs.
- **High-Quality Graphite:** Production of ultra-pure, battery-grade graphite for various applications.
- **Modular Technology:** Scalable and easy-to-install systems for diverse operational requirements.
- **Expert Team:** Inclusion of PhD-level professionals driving innovation and efficiency.
- **Emission Reduction:** Zero-emission processes contributing to environmental sustainability.
- **High Cracking Efficiency:** Advanced plasma technology ensures efficient hydrocarbon conversion.