

Fact Sheet

About

Monolith's vision is to build the world's leading clean hydrogen and clean materials company. The company's proprietary commercial-scale methane pyrolysis process uses 100% clean power to superheat, not burn, conventional and renewable natural gas to create clean hydrogen and carbon black in an environmentally advantaged manner. Founded in 2012 by Rob Hanson and Pete Johnson, Monolith was formed on the belief that you could build both a profitable company and create a cleaner world using technology.

Monolith Products

Clean Hydrogen: Emissions-free, economically sustainable hydrogen manufactured using 100% carbon-free energy.

Carbon Black: A critical material often used in the automotive and industrial sectors for tires, manufactured rubber goods, plastics, tinting and protective coatings.

Clean Ammonia: Carbon-free anhydrous ammonia primarily used in the agriculture, heavy transportation and industrial sectors.

Monolith's Process

Monolith perfected commercial scale methane pyrolysis technology, a process first patented more than 100 years ago. Monolith's methane pyrolysis process takes traditional or renewable natural gas and superheats it to break the bonds in the natural gas molecule, separating the resulting atoms into hydrogen and carbon. Monolith then converts that carbon into high-value carbon black. This clean, highly efficient, environmentally responsible process creates virtually zero local emissions when traditional natural gas is used. When renewable natural gas is introduced into Monolith's process, the resulting emissions are carbon-negative.

Fast Facts

- Headquartered in Lincoln, Nebraska, USA
- Monolith's production facility near Hallam, NE is:
 - The first commercial scale, greenfield, carbon black production facility built in the U.S. in over 50 years.
 - The largest CO₂ free stand-alone hydrogen plant in the world.
- Founded in 2012
- Nearly 200 employees
- CEO: Rob Hanson
- When using traditional natural gas, Monolith's process is virtually carbon-free. When renewable natural gas is introduced into the process, Monolith's CO₂ emissions become carbon negative.
- Monolith is scheduled to begin construction on its expansion facility in Hallam, NE during Q2 of 2023. The expanded facility will:
 - Produce 275,000 metric tons of clean ammonia per year
 - Produce 194,000 tonnes of clean carbon black per year
 - Eliminate 1 million tons of CO₂ from entering the atmosphere compared to traditional carbon black and ammonia production processes.
- Monolith's facilities include:
 - **Monolith Headquarters**
134 S 13th Street, Ste 700 Lincoln, NE 68506
 - **MTC**
2610 West L Street Lincoln, NE 68522
 - **OC1**
27077 SW 42nd Street Hallam, NE 68368
 - **Denver Office**
1644 Platte Street, Ste 403 Denver, CO 80202
 - **Kansas City Office**
7309 W 80th Street, Ste 410 Overland Park, KS 66204
 - **California Office**
662 Laurel Street, Ste 201 San Carlos, CA 94070
 - **California Lab**
1051 E San Carlos Ave. San Carlos, CA 94070

www.monolith-corp.com