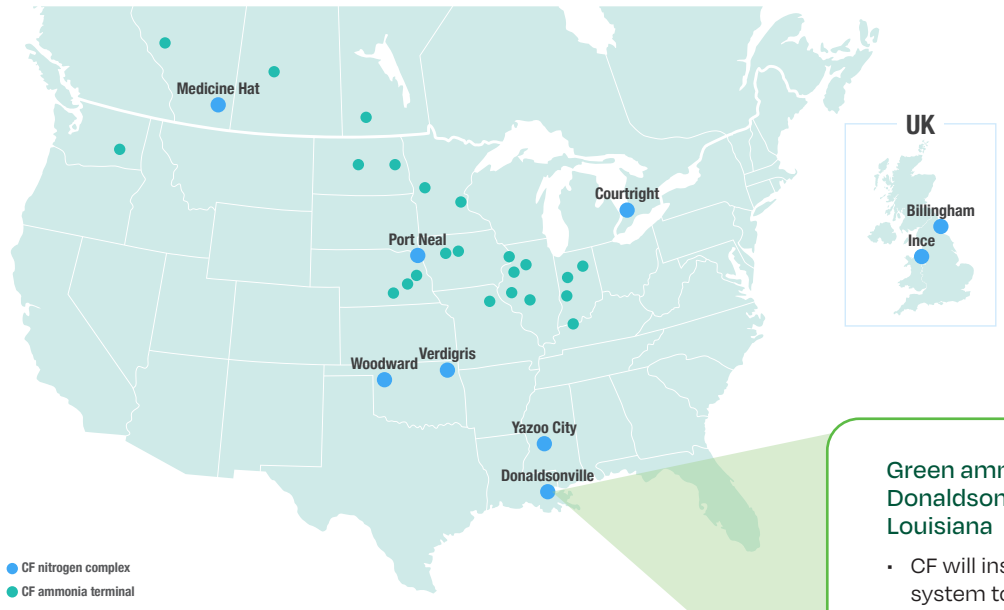
CF Industries' commitment to a clean energy economy

NET-0
2050

Green hydrogen and ammonia have emerged as leading candidates to help the world achieve net-zero carbon emissions by 2050

- Ammonia is one of the most efficient ways to transport and store hydrogen and is also a fuel in its own right
- Industry experts project hydrogen will meet approximately 20% of the world's energy need by 2050, up from less than 1% today.

Extensive ammonia network with global reach



CF is uniquely positioned to fulfill anticipated demand for hydrogen and ammonia from green and blue ammonia sources

- World's largest producer of ammonia
- Unparalleled manufacturing and distribution network
- Technical expertise

Green ammonia project at our flagship Donaldsonville Nitrogen Complex in Louisiana

- CF will install a state-of-the-art electrolysis system to generate carbon-free hydrogen
- Expected to produce approximately 20,000 tons per year of green ammonia
- Anticipated completion by 2023

Clear pathways to growth in clean energy:

- **Green ammonia:** ammonia produced through a carbon-free process
- **Blue ammonia:** ammonia produced by conventional processes but with CO2 removed through carbon capture and sequestration (CCS) and other certified carbon abatement projects

CF Industries is taking significant steps to support a global hydrogen and clean fuel economy

- CF industries has committed to initial investments into the production of green and blue ammonia
- In line with our commitment to clean energy, CF is targeting net zero carbon emissions by 2050, with a 25% reduction by 2030

Demand for blue ammonia already exists across sectors

- Aviation and maritime transport
- Passenger vehicles
- Utility power generation
- Long-haul trucking