Energy
Mining
Infrastructure
Construction

BANTREL

Energy Transition
Hydrogen Technology

Our Energy Transition offering enhances our continued development towards new technological innovations and incremental facility improvements that reduce energy consumption or risk to people and the environment. Our focus areas include clean fuels, carbon capture, emissions management, and water management.

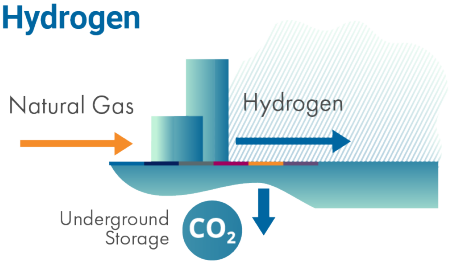
Hydrogen solutions reduce greenhouse gas **(GHG) emissions** and **reduce the carbon intensity of products.**

Hydrogen

Our refining business has given us extensive experience at manufacturing and processing hydrogen, continually performing hydrogen based projects for the past 38 years.

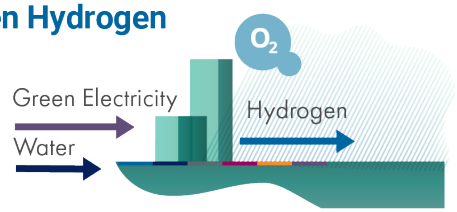
Bantrel's success in executing projects are the result of an in-depth understanding of the physical properties of hydrogen - it's uniqueness, benefits and challenges. Hydrogen has the ability to decarbonize the energy chain from resource extraction, through production, transmission, distribution, storage and end-use across a variety of sectors. It is rapidly entering the conversation as a viable route to net zero, reducing emissions and improving air quality.

Blue Hydrogen



Using natural gas as the feedstock for hydrogen manufacturing, through Steam Methane Reforming (SMR), Auto-Thermal Reforming (ATR) or Partial Oxidation technologies, coupled with carbon capture and sequestration has enormous benefits. Shifting grey hydrogen users to clean hydrogen has significant potential for paths to net zero.

Green Hydrogen



Ultimately the use of renewable energy sources (i.e. hydro, wind, solar) and electrolysis in the production of green hydrogen provides the greatest impact towards net zero and decarbonization of assets.

Hydrogen Subject Matter Experts

Planning for Net Zero

Experienced with All Hydrogen Technology Licensors

Studies
DBM/FEED
Detailed Engineering

An integrated end-to-end solutions company.