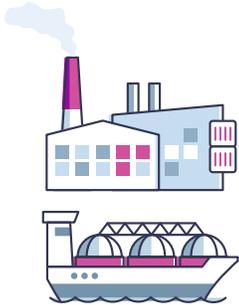


# Company Overview



Teralta is a leader in hydrogen strategies, technology, and infrastructure, focused on the development of clean, utility-scale hydrogen for commercial use.

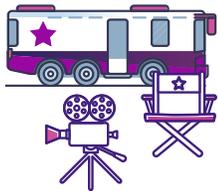
We leverage deep domain experience and proprietary technology to stand up hydrogen projects across North America, supporting three distinct use cases:



## Industrial & Utilities

- ✓ Replace natural gas with clean by-product hydrogen to supply heat and electricity back to the operation
- ✓ Work with industrial clients, local governments, and utilities

**Sustainable and safe operations; cost effective**



## Mobile & Portable

- ✓ Replace diesel and other inefficient, noisy energy sources from remote worksites
- ✓ Work with film production, equipment rental, and construction companies

**Lower emissions; quieter, safer worksites**



## Hydrogen Derivatives

- ✓ Expedite hydrogen distribution using infrastructure purpose-built for derivatives such as ammonia, e-fuel, and others.
- ✓ Reduce carbon footprint within hard-to-abate segments (heavy industry, transport, resource sector, etc.)

**High energy density by volume**

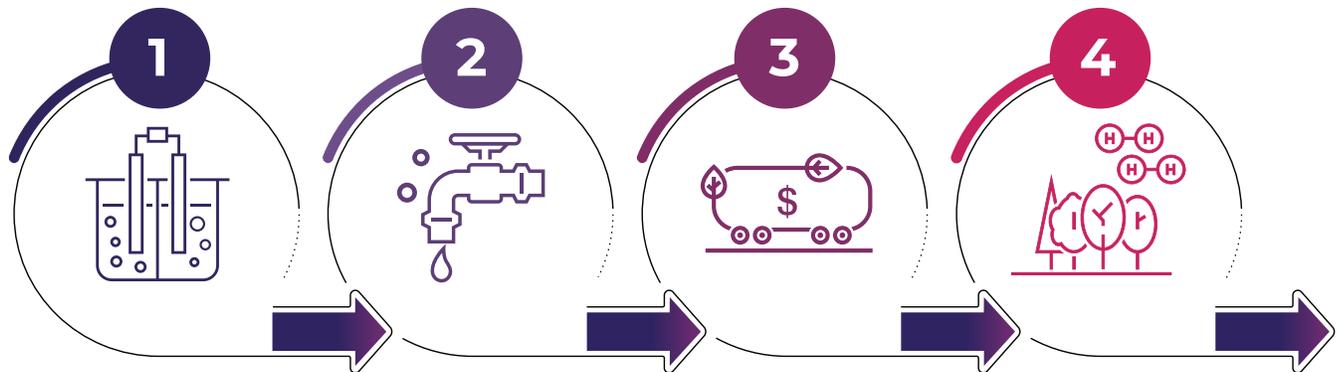
# The Teralta Advantage

We deliver an end-to-end business model, including project development, contract negotiation, financing, project execution, coordination of business consortiums (industry, government, utilities, regulatory, etc.), the supply and distribution of hydrogen, through to engineering, procurement, and construction services, including turnkey manufacturing and machining of the integrated hydrogen infrastructure used by our customers.



# Industrial & Utilities

Repurpose byproduct hydrogen that is being discharged (or vented) from an existing operation, for re-use within the operation. The process involves four stages:



## RAW HYDROGEN CAPTURE

Hydrogen is recovered at production site

## HYDROGEN UPGRADING & PIPELINE INJECTION

Recovered hydrogen upgraded to ISO 14687:2019 Hydrogen fuel quality and injected into pipeline

## TRANSFER TO UTILITY

Ownership and environmental attributes transferred to utility or natural gas distributor

## INDUSTRIAL USE

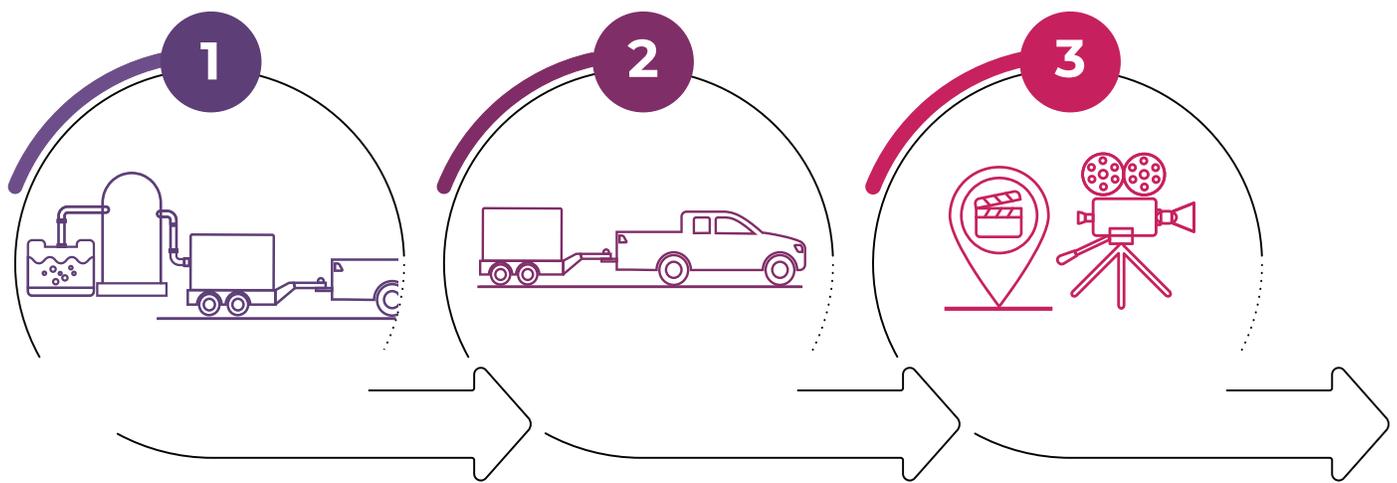
Hydrogen displacement of natural gas consumption reduces emissions and generates environmental attributes

There are hundreds of industrial operations currently discharging waste hydrogen in North America. Teralta has active projects underway within this sector.



# Mobile & Portable

Partner with existing equipment rental companies that provide energy and infrastructure (diesel, battery packs, etc.) to on-location and remote worksites for the film and construction industries.

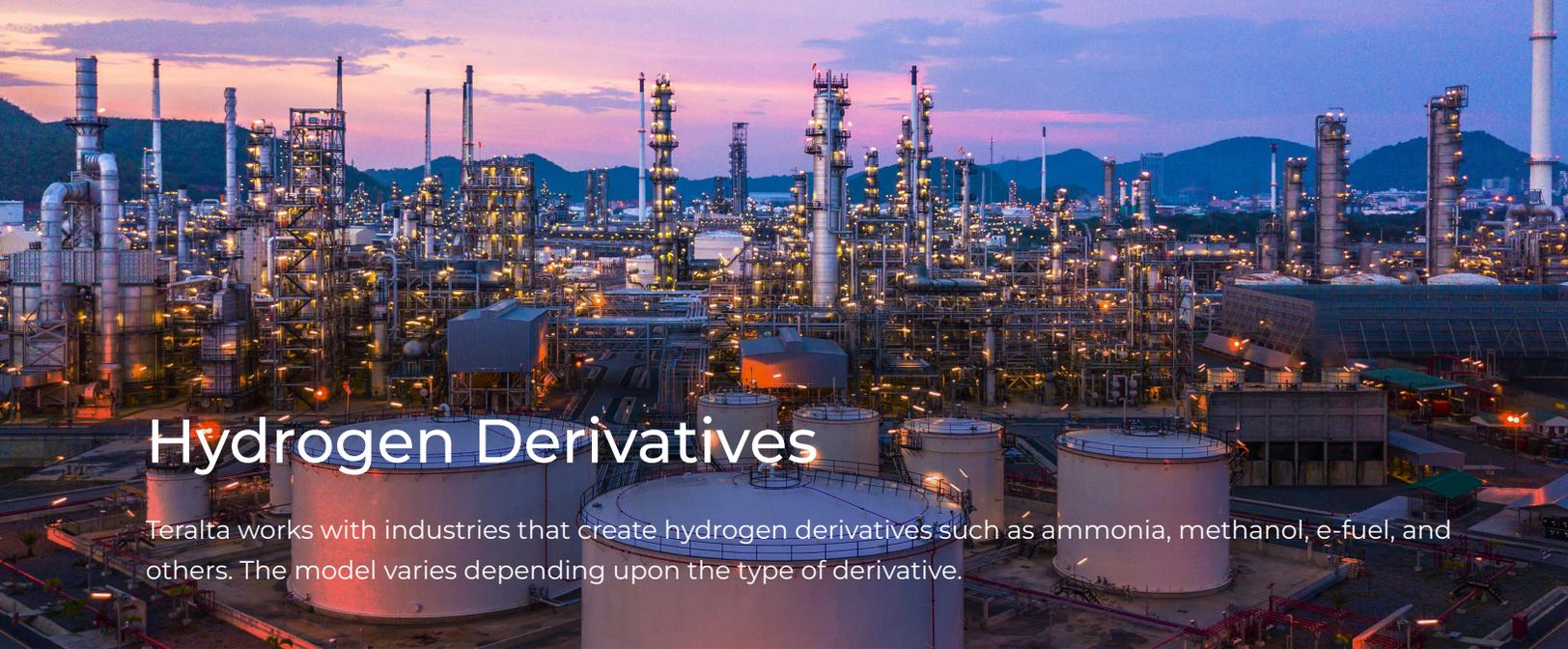


1 Extract hydrogen from the steam methane reforming unit for transport.

2 The hydrogen power unit (HPU) and fuel are transported to the location.

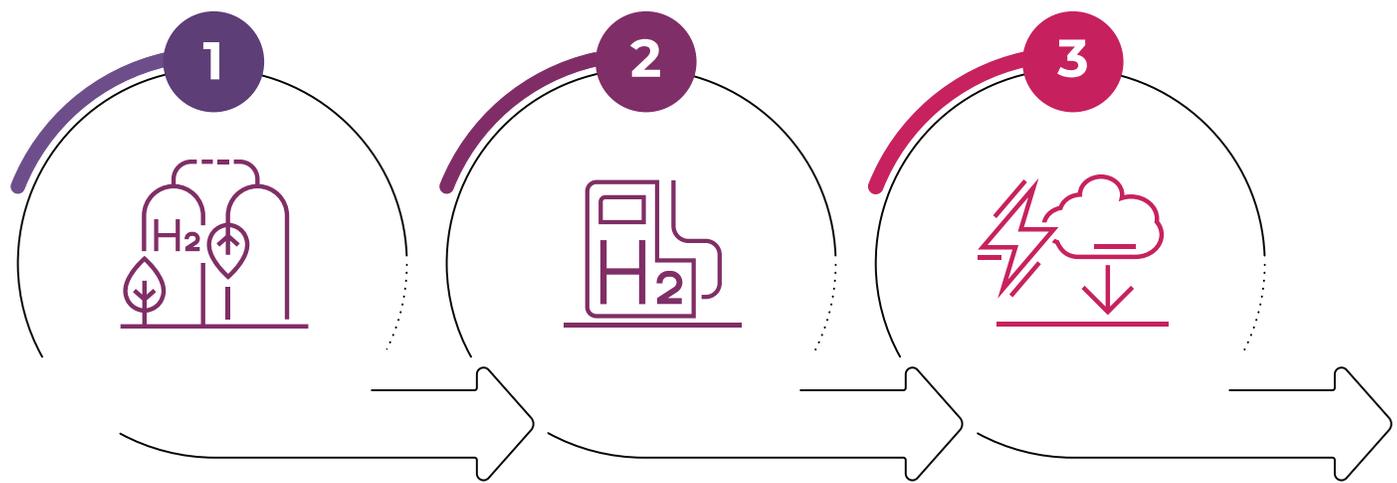
3 Clean hydrogen powers a quiet, healthier production.

Teralta has already tested this model in the film industry and we are in active discussions with equipment rental companies in North America. Visit the [Teralta Hydrogen Solutions](#) channel to learn more.



# Hydrogen Derivatives

Teralta works with industries that create hydrogen derivatives such as ammonia, methanol, e-fuel, and others. The model varies depending upon the type of derivative.



## PROVISIONING

Hydrogen is transported to the manufacturing site.

## FORMULATION

Other ingredients are combined with the hydrogen.

## CREATION OF DERIVATIVES

Derivatives such as ammonia, methane, e-fuel, and others are generated.

Teralta is in active discussions with potential partners in North America.

# Strategic Partner: AdvanTec Global



Teralta benefits from a strong partnership with AdvanTec Global, a specialized manufacturer that serves oil and gas, water, clean-tech, and marine industries.

With facilities across Canada and the US, AdvanTec provides Teralta with a unique differentiator: world-class engineering, procurement, and construction services to deliver the hydrogen infrastructure our customers need.



## About Teralta

Teralta was founded in 2021. Our uniquely qualified team represents deep hydrogen, engineering, and manufacturing expertise.

For more information about Teralta and the work we do, visit our [website](http://www.teralta.com) (www.teralta.com) or [info@teralta.com](mailto:info@teralta.com)

