



Liquid Hydrogen Storage Tanks

Hydrogen Powered Fleet

Hydrogen Storage

element one
TECHNOLOGIES POWER UP!

Not to scale

Manufacturing Footprint (Castle Dale)
Full technological suit on 60 acres to streamline and shorten startup time and maximize production of hydrogen and hythanol®

Total est. Hydrogen capacity: **26 million kilos/yr**
Total est. Hythanol® capacity: **43,800 barrels/yr**
Total est. HythanolPLUS® capacity: **43,800 barrels/yr**

1 Solid to Gas

Coal, biomass and municipal solid waste conversion using STG.
Est. Output: **1,000 barrels/day**

2 CO-2 Capture Greenhouse

30 acre enclosed, organic, hydrogen powered agrifarm.
Total Capacity: **20,000 tons/yr**

3 GTL M1000

Modular gas-to-liquids unit based on the conversion of natural gas into Hy-fuels.
Output: **1,000 barrels/day**

4 200 MW Hydrogen Plant

Industrial scale hydrogen manufacturing
Max Capacity: **80k kilos/day**

5 GE TM2500 | 33 MW Gas Turbines

Scalable aeroderivative gas turbines.
Total Output: **230 MW**

6 PDC Hydrogen Compressor

M2-Stage diaphragm compressor

7 Cryogenic Storage and Transport

Liquid hydrogen **25k kilos/day**

