



VALVERDE
POWER SOLUTIONS

**PRESSURIZED OXY COMBUSTION
CLEAN POWER / CCUS**

May 10, 2022



- ▶ VPS strongly contends that renewables by themselves will not meet North American electrical demand for the foreseeable future
- ▶ **We do not view renewable energy as the competition, rather as a vital part of the global effort to address climate change, VPS will meaningfully aid in the process**
- ▶ Former Denbury Resources (NYSE:DNR) Founder/Management/Leadership/ Operating team
- ▶ Seasoned and progressive energy executives with unique technical and operating knowledge of CO₂ assets; U.S. and globally
- ▶ CO₂ Experts: sequestration/injection, production, EOR / tertiary recovery, and processing

Significant Relevant Industry Experience:



VPS Decarbonizes Fossil Fuels to Produce Clean Electrical Power

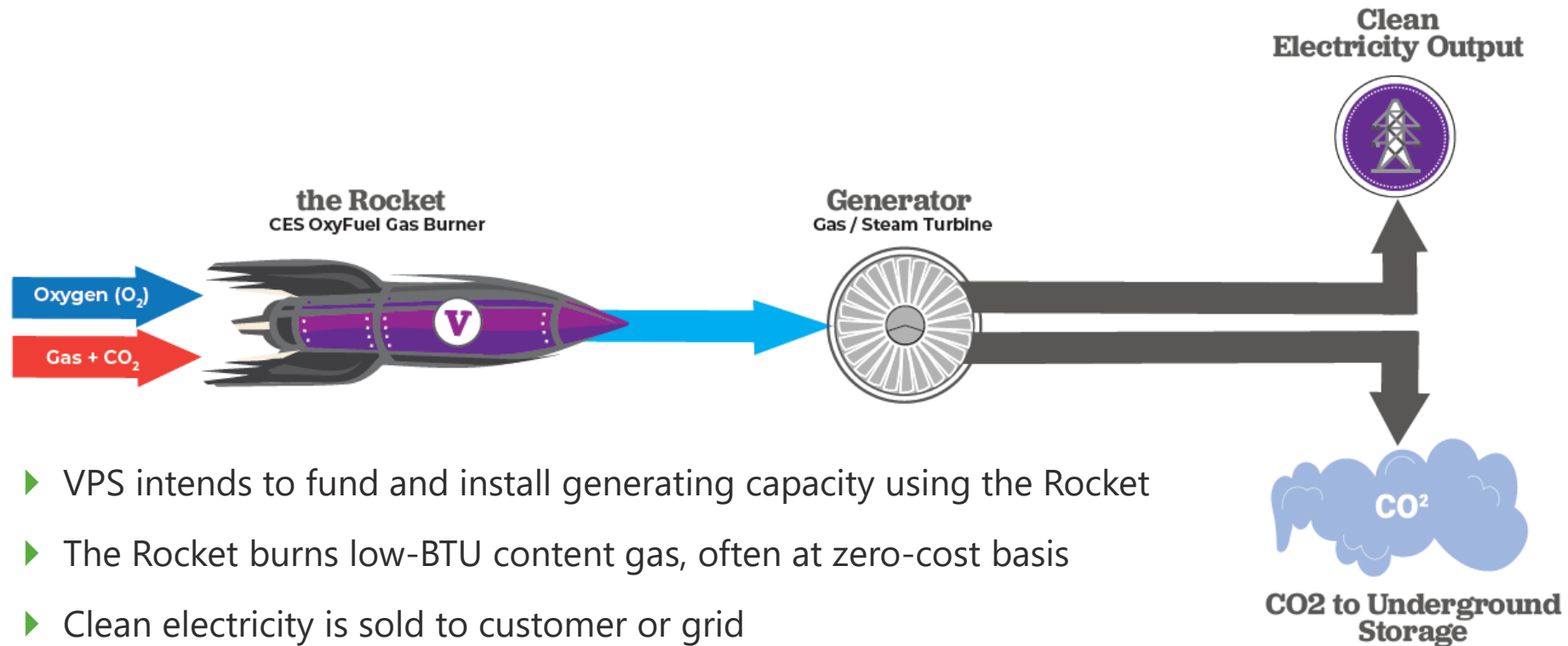
VPS is to the power generating industry what EVs are to the automotive industry

- ▶ VPS has a Master License Agreement with technology provider for 20+ initial projects in North America utilizing Oxy-Fuel Combustion technology (The Rocket)
- ▶ The Rocket can burn natural gas in pure oxygen to produce clean power with zero emissions
- ▶ The Rocket can burn a wide range of gas qualities, burns dirty stream, ~20% methane
 - » No other existing technology can accomplish this
- ▶ Eliminates grid power cost at operating sites
- ▶ Mobile, scalable and available for reuse
- ▶ **VPS believes The Rocket technology will be the single most efficient contributor to carbon neutral power generation, worldwide**

Turning Electrical Power Carbon Neutral

- ▶ CCUS is viable transition tool to utilize natural gas to provide dependable clean power
- ▶ **Storing carbon is relatively easy**, the oil & gas industry has employed CO₂ enhanced oil recovery since the early 1970s
- ▶ **Capturing carbon is difficult**, natural gas power plants emit a low concentration of CO₂ that is costly and problematic to extract
- ▶ Oxy-Fuel combustion avoids the problem and produces a pure stream of CO₂ ready for sequestration

Oxy-Fuel Burner (The Rocket) Produces Emission-free Power



- ▶ VPS intends to fund and install generating capacity using the Rocket
- ▶ The Rocket burns low-BTU content gas, often at zero-cost basis
- ▶ Clean electricity is sold to customer or grid
- ▶ CO₂ is sold and / or sequestered for 45Q credits
 - » Other plant products may also be sold: steam, boiler water