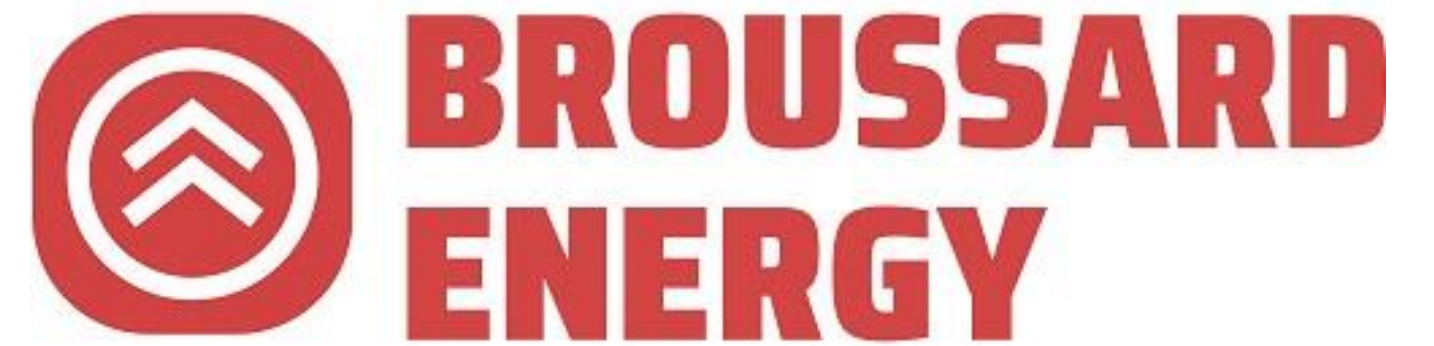




Flare Gas Solutions from



Panhandle Producers & Royalty Owners Assn.

IS YOUR COMPANY STUCK WITH

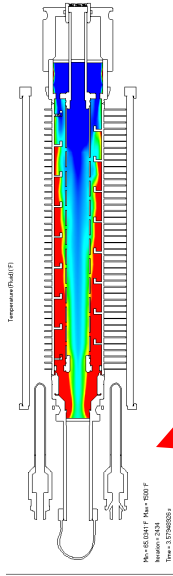
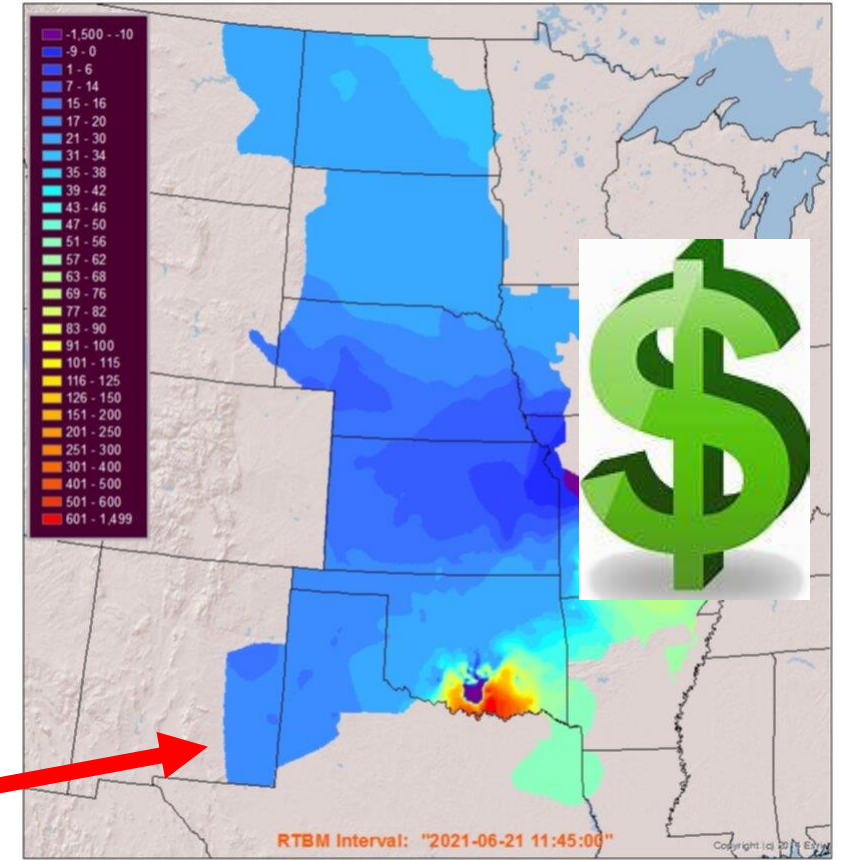
STRANDED GAS?



IS YOUR COMPANY FLARING

ASSOCIATED GAS?





COMPRESSOR

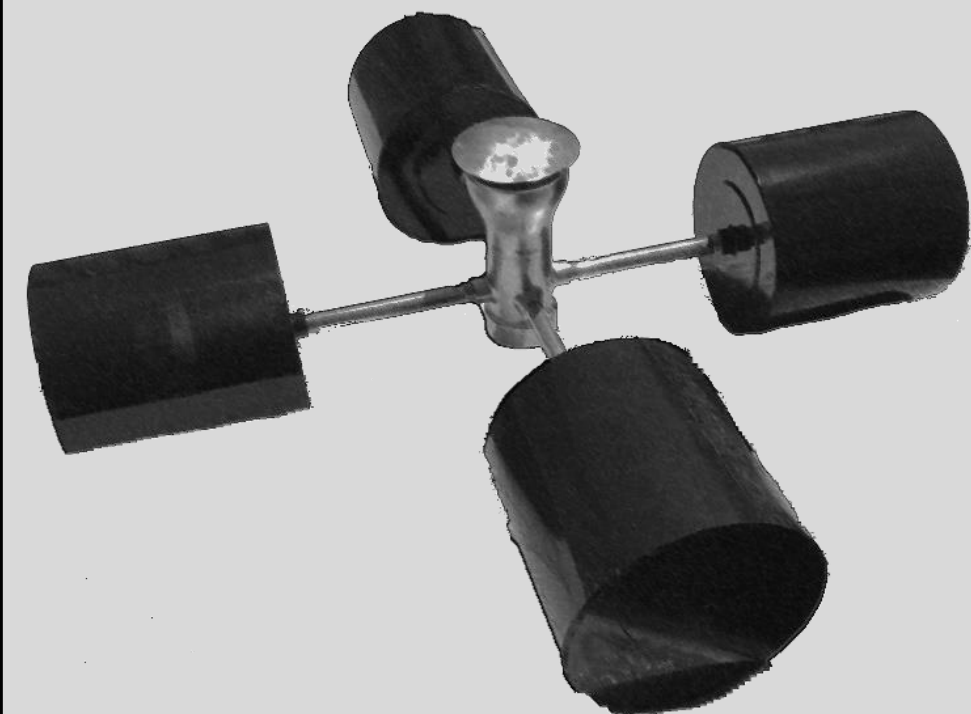


THE XTREME TANK TOOL

A PATENTED MULTIPURPOSE TOOL

- **ENHANCE CARBON CAPTURE**
- **SOLVE RVP ISSUES**
- **DETECT AND EXTINGUISH TANK FIRES**
- **CHANGE A TANK ATMOSPHERE FROM FLAMMABLE TO INERT**
- **REMOVING THE H₂S INCREASES THE LIFE OF A TANK BY DRASTICALLY SLOWING CORROSION.**
- **ALLOWS YOU TO HANDLE AND TREAT BAD OIL**
- **THE XTREME TANK TOOL ASSISTS IN KEEPING OIL CLEAN FOR "HOT OILING" PROGRAMS.**
- **USE IN SWD TANKS & WATER FLOOD TANKS FOR SECONDARY RECOVERY**
- **GROUNDS THE LOAD INSIDE THE TANK**
- **STABILIZE TANK BOTTOMS TO LET LIQUIDS SETTLE**

THE XTREME TANK TOOL

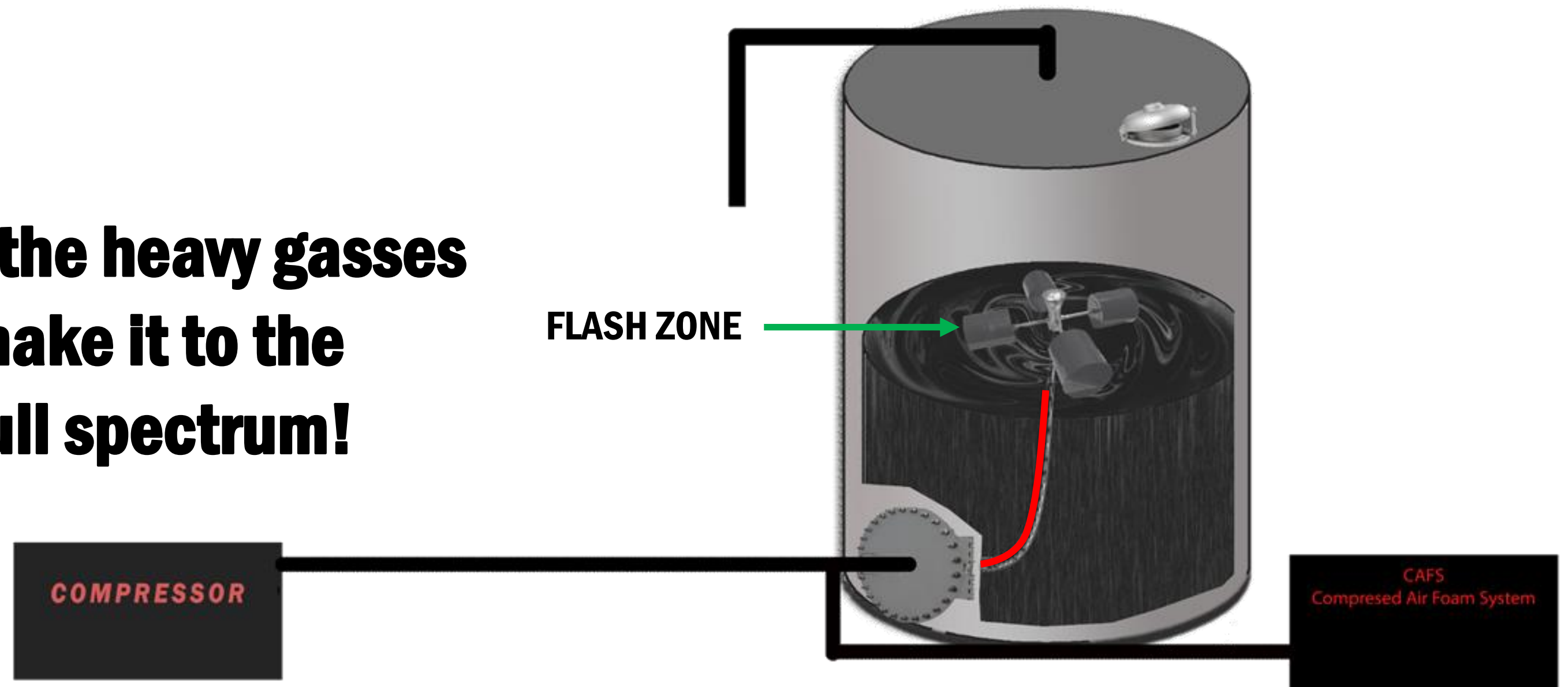


WE REMOVE FROM THE FLASH ZONE

Where the vapors are created

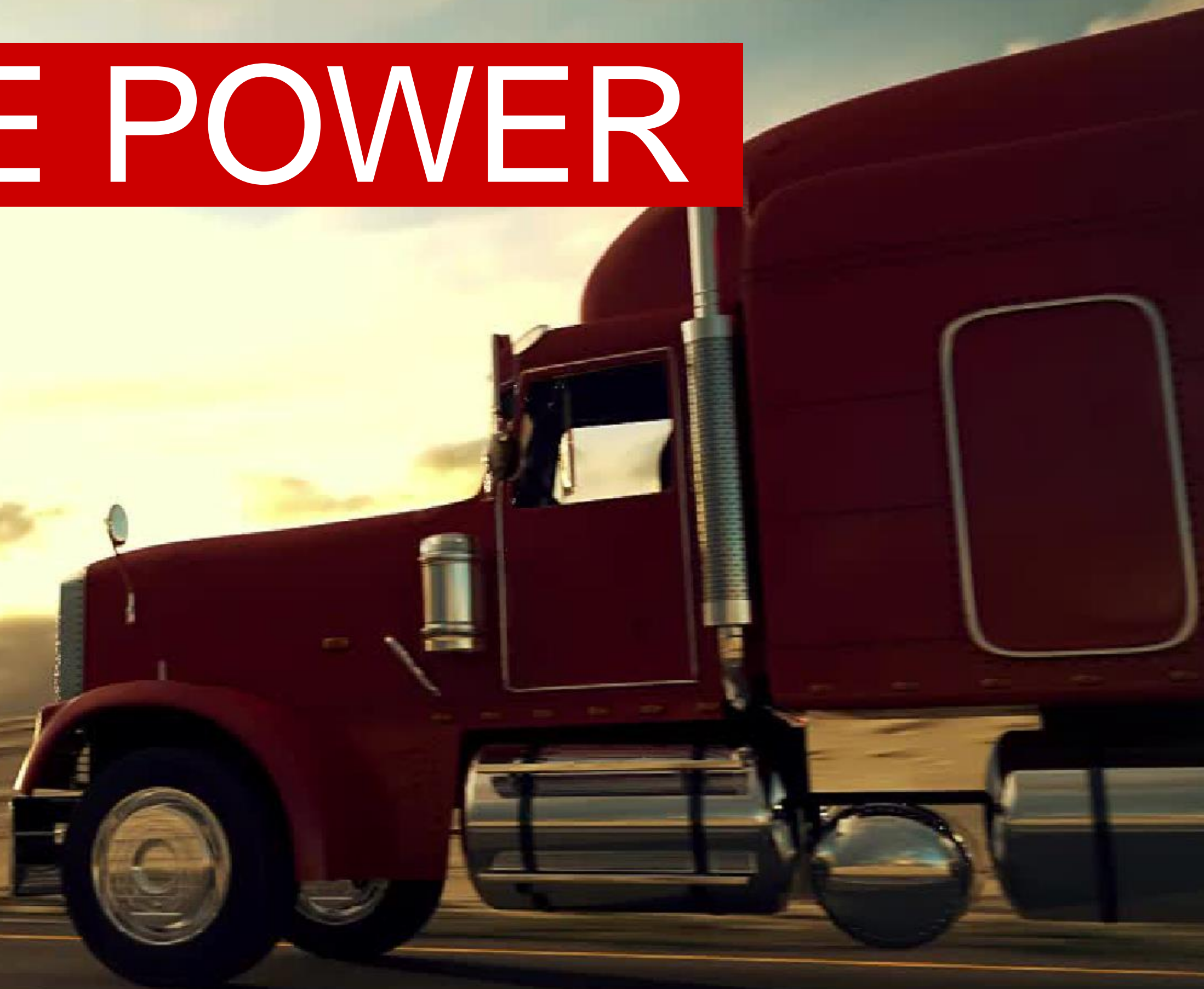
We take our pressure reading in the active area...the **FLASH ZONE**

We capture the heavy gasses
that never make it to the
roof....the full spectrum!



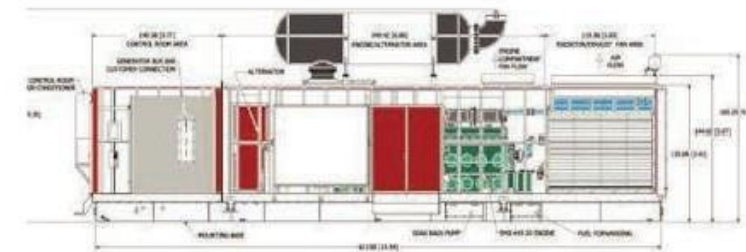
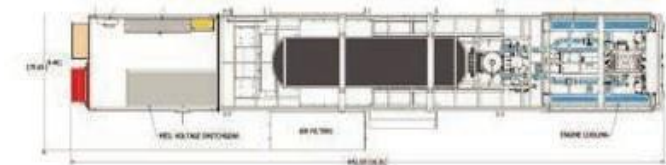
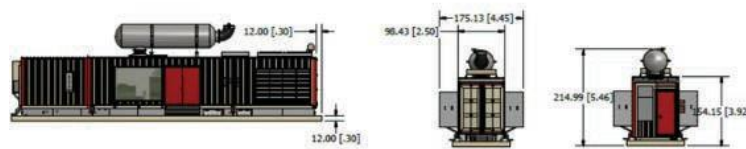
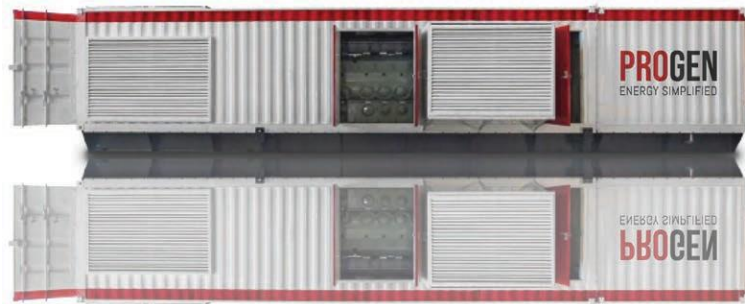
1MW - 3.7MW FLEX FUEL

PORTABLE POWER



TITAN - Mobile Power Units

Mobile Utility Grade Power Wherever you need it.



Medium Speed Continuous Power Rating

Titan Model 1000, 1500, 2000, 2500 & 3500 kW

Base Load "Mobile Utility" Performance

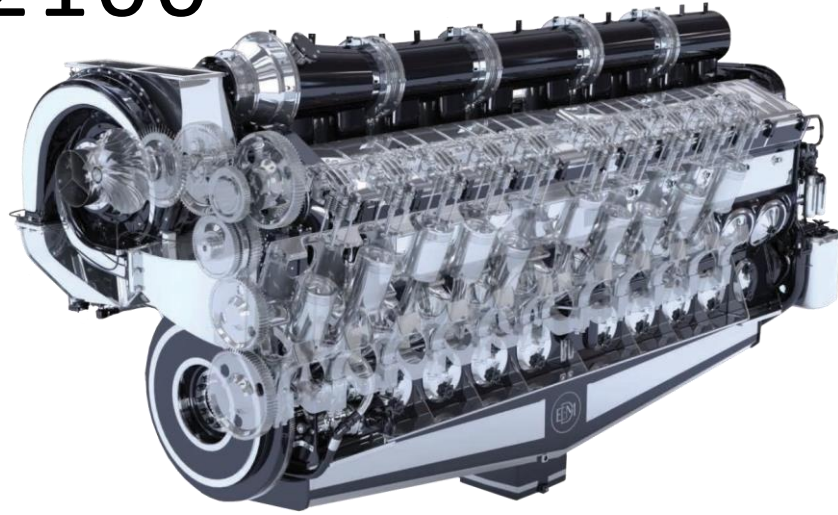
Smarter Reliable High Performance

Power Outputs from 1000kW to 3500kW Continuous

The Titan Power Modules Offer the Highest Reliability

Technology Advantage / Control Systems

2100™



Engine/Generator Control Systems

- Progen's Control System 2100™ offers the most advanced predictive/preventative maintenance system available.
- The system provides the most comprehensive asset protection possible. Progen has virtually eliminated catastrophic failures and unforeseen forced outages.
- The Control System 2100™ increases run time, stabilizes performance and solidly reduces operations and maintenance cost to the guaranteed lowest in the industry.
- The system offers the most advanced yet intuitively simple power plant control system with full remote controls and monitoring with automatic startup, paralleling and pre-programmable load control and load sharing.



Control Systems 2100™

State of the Art Computerized Engine/Generator Control & Alarm System

- Highly Advanced Preemptive and Predictive Controls and Alarm System.
- The Progen Control System 2100 provides advanced effective controls and alarms protection, monitoring and controlling virtually every aspect of the entire power station and each individual unit, permitting fine tuning of output production and early warning of potential maintenance problems. Focused on Protecting the Asset and Increasing Run-time.
- The control system also provides for remote operation, starting, stopping and monitoring of manned or unmanned power stations.



The background features a dark, reflective surface with shimmering gold coins and Bitcoin symbols scattered across it. The coins are in various orientations, some showing the Bitcoin logo and the text 'BITCOIN DIGITAL DECENTRALIZED'. The overall aesthetic is one of wealth and digital currency.

START MINING FOR DIGITAL GOLD

Introduction

PROGEN LLC, a Single Source Energy Solutions company located in Clearwater, Florida has partnered with miners to deploy a mobile power generation and data processing system that converts stranded or associated gas into sustainable profits at locations throughout the United States.

Using modular power and data systems can be installed at stranded and/or flared natural gas sites to turn raw gas into low-cost electricity to power data centers, drastically reducing the carbon footprint and remediating 100% of flare gas at any site.

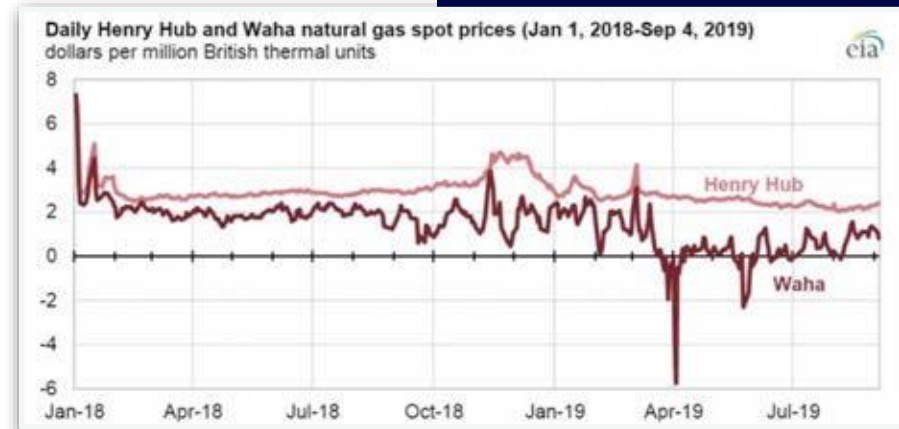
This effort will harness otherwise wasted energy to generate revenues from a growing industry that requires intensive computing such as Blockchain and Artificial Intelligence. This is a win-win solution for the oil industry and the data provider.



The Problem: Natural Gas Surplus

Ever since the U.S. shale revolution took flight in 2008, it's been a consistent theme: not just rising natural gas production but also rising proven natural gas reserves.

Over the past decade, the U.S. Department of Energy reports that our proven gas reserves have ballooned nearly 85% to almost 450 trillion cubic feet (Tcf)



Underperforming Prices

Continued low price from increasing shale oil/gas production in US

Limited Pipeline Capacity

In many areas gas is unable to reach markets. New pipelines will take years to absorb the current volumes.

Flaring

It is estimated that more than 660 million cubic feet of natural gas per day is flared in Texas alone, adding to the Greenhouse effect.

Power Generation for Remote Data Processing

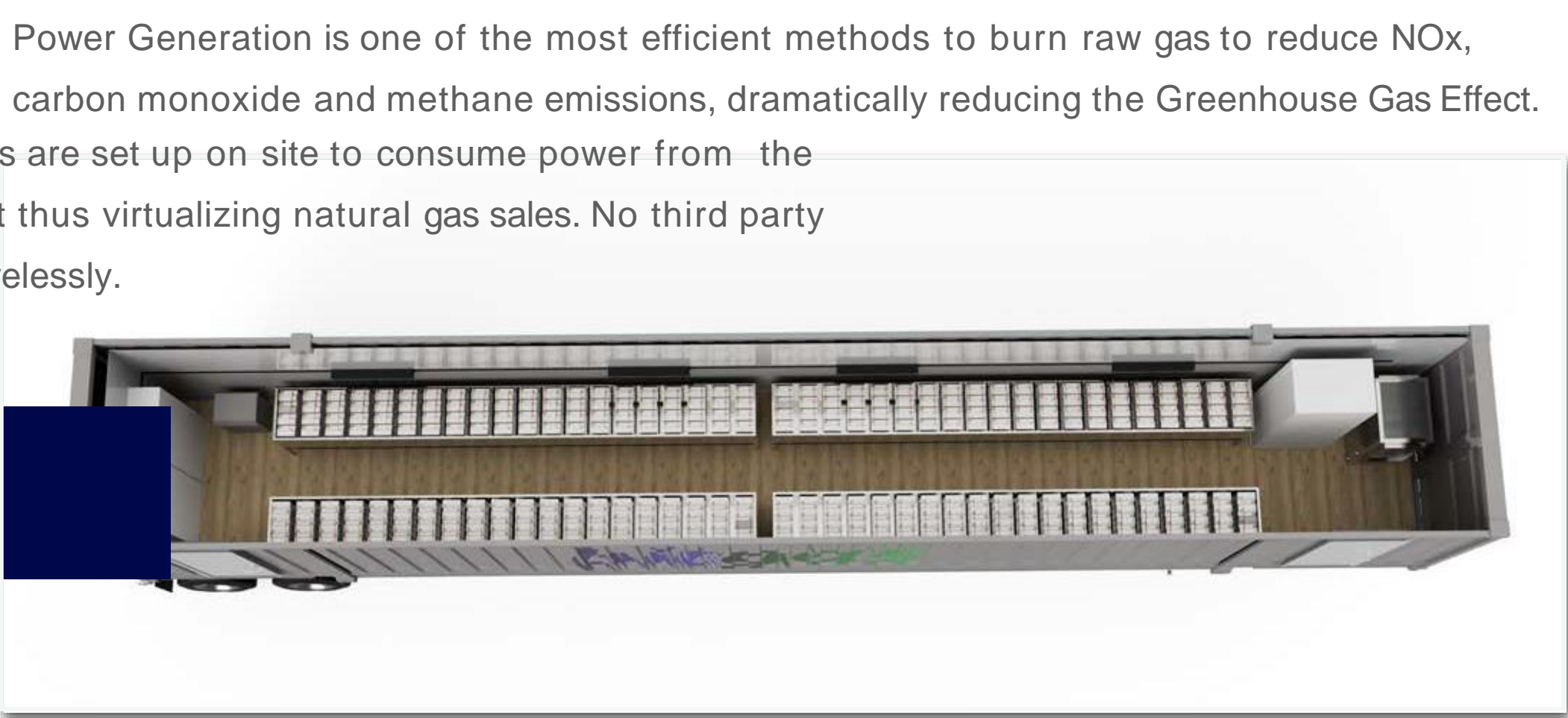
1. Power Generation

Instead of selling gas through a pipeline, utilize it at the source for electricity generation. BitGas will utilize trailer-mounted industrial grade mobile power generators. These units will provide utility grade electricity in harsh or remote manned and unmanned power station operations.



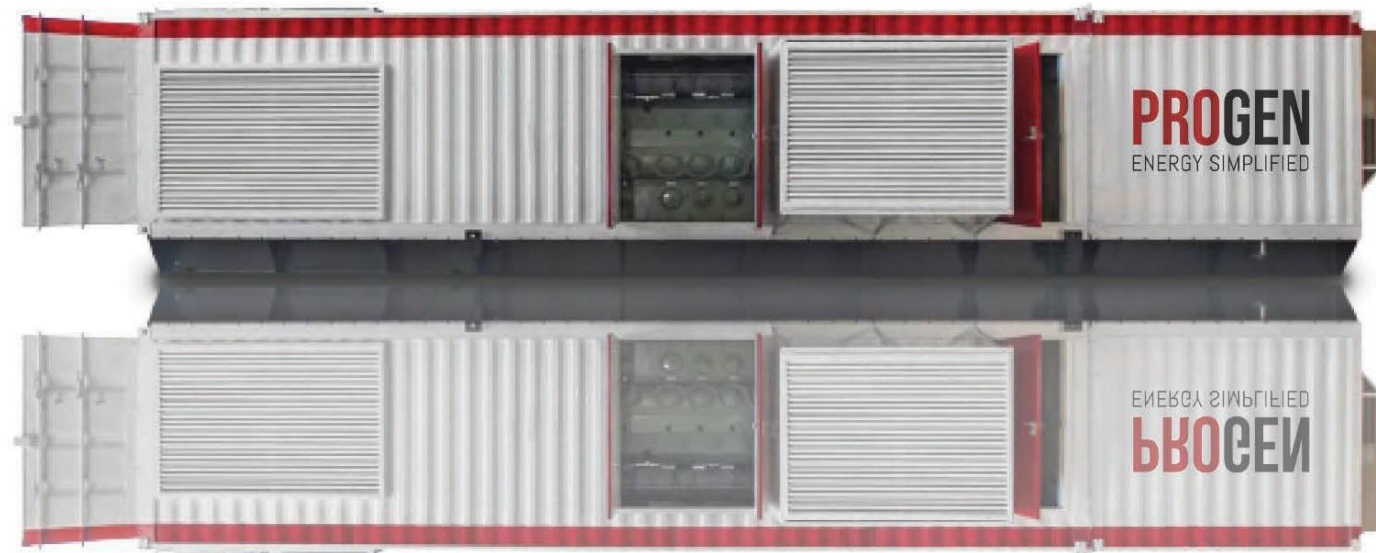
2. Mobile Data Centers

Proprietary 53ft containers outfitted with computer servers are set up on site to consume power from the generators. Processing power is sold on the global market thus virtualizing natural gas sales. No third party utility services are required. Internet data is transmitted wirelessly.



Power Generation is one of the most efficient methods to burn raw gas to reduce NOx, carbon monoxide and methane emissions, dramatically reducing the Greenhouse Gas Effect.

Climate Controlled Walk-In Controls Room



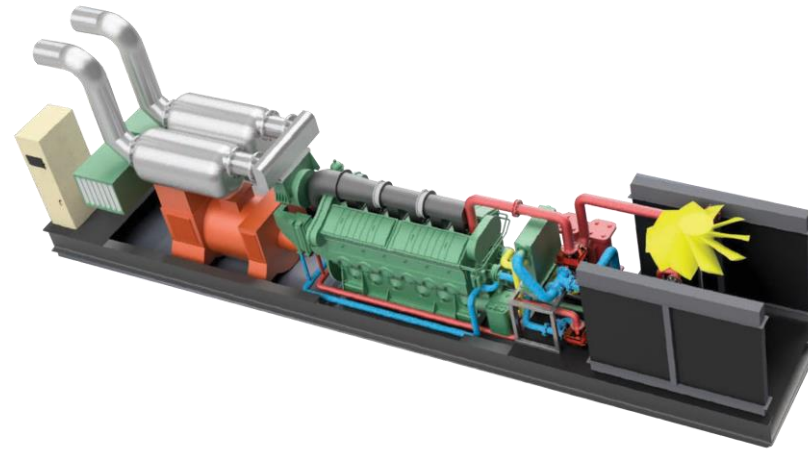
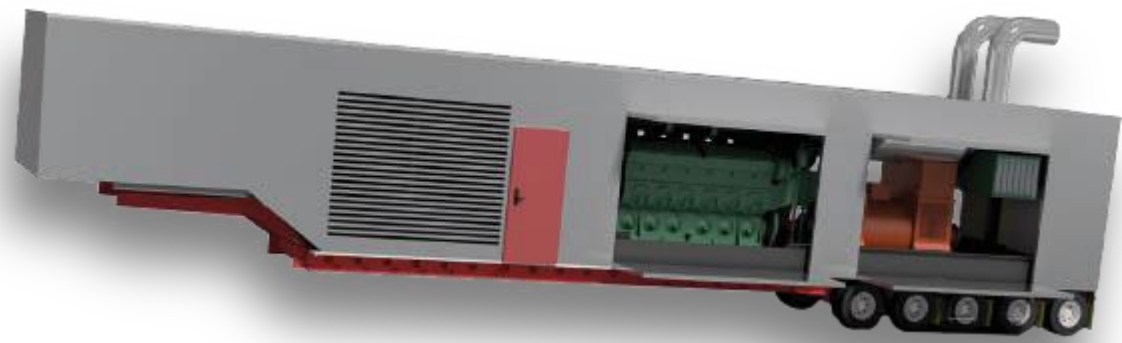
Local / Remote Controls & Monitoring

Inside Control Room



TITAN - Trailored Unit

1MW to 3.05MW Trailered Power Modules



Powerful Mobile Solutions - Only Medium Speed Solution on Wheels

Trailer Dimensions



VIEW THE TITAN VIDEO: https://www.youtube.com/watch?v=IVgL_IF8NBc&t=10s

Product Specification

- The Titan Trailered Power Module is a trailered mounted extreme duty industrial grade mobile power generator set package utilizes a low speed two cycle gas fired engine technology to provide unmatched reliability in harsh or remote manned or unmanned power station operations.
- With a rotating speed of only 720-900 rpm the The Titan Trailered Power Module delivers maximum durability and performance to provide a continuous supply of utility grade power at altitudes up to 1200 meters with no deration in site ambient temperatures that range from minus -10 to 55 degrees Celsius.
- The Titan Trailered Power Module is a single trailer mounted powerhouse that includes all operating auxiliaries including an APU generator and compressed air that is required for normal operation, all controlled from a large single HMI touch screen inside of a integral climate-controlled control room compartment.
- The Titan Trailered Power Modules 2500 KW are packaged with a 12-cylinder medium speed two stoke engine with high pressure liquid or direct gas injection. This engine can deliver up to 50,000 hours or more of full load service before an overhaul is required.

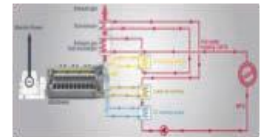


Your Single Source Turn-Key Supplier



Packaging >

Stationary and Mobile Power Generator Sets
Switchgear & Sub Stations
Power Plant Local/Remote Controls & Monitoring



Engineering >

Turn-Key Power Plant Design & Engineering



Installation >

Turn Key or Partial - Power Plants & Sub Stations



After Sales >

Field Service, Repairs, Overhauls & Upgrades



O & M >

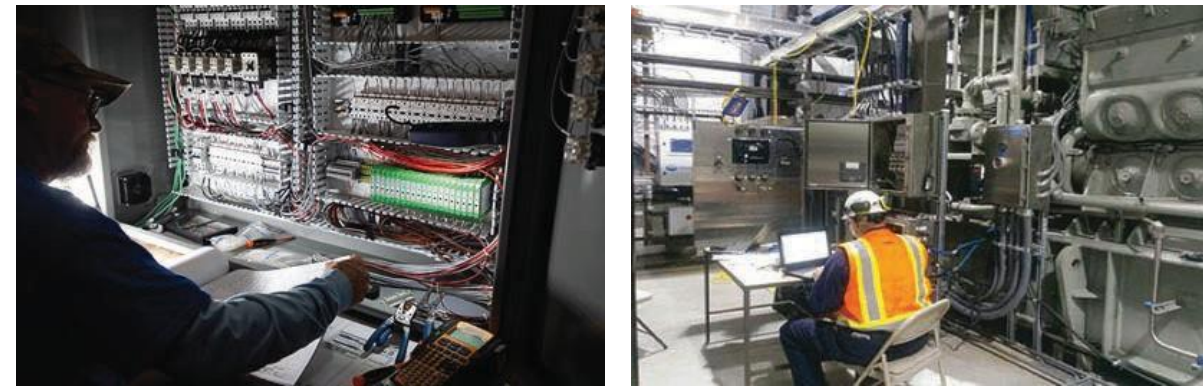
Operations and Maintenance Services



After Sales / O&M / Support

AFTER SALES SERVICES

- Extended Maintenance
- Extended or Full Service Life Warranty
- Full Operations and Maintenance
- Schedule Maintenance & Overhauls



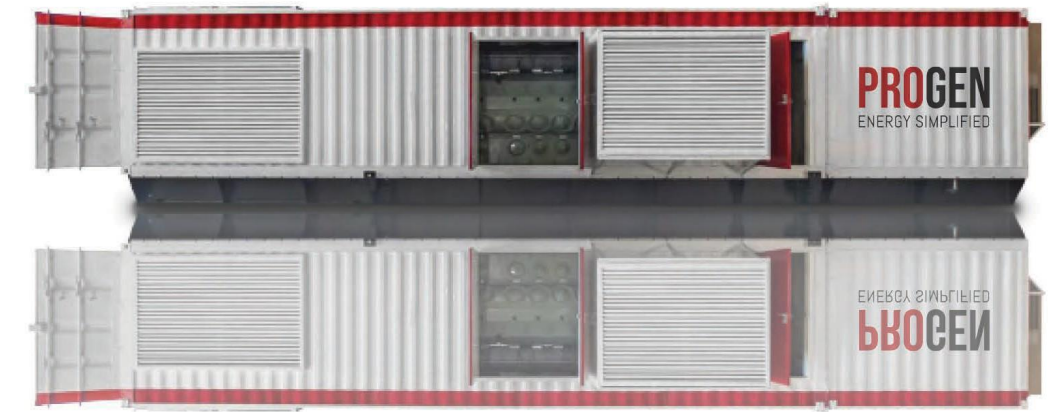
ProGen Industries provides after sales support for the operation and maintenance requirements of the power station by supplying consumables, replacement parts and 24 hour-a-day field service.

The equipment shop production facility consists of several working departments including New Engine Assembly, Engine Tear Down, Parts Cleaning, Component Rebuild and Assembly Departments, Engine Re-manufacturing and Rebuild, Engine Assembly Welding & Fabrication, Machine Shop, Switchgear and Electrical Departments, Engine Controls and Alarms, Load Testing and Prep and Painting that are all located at one facility.

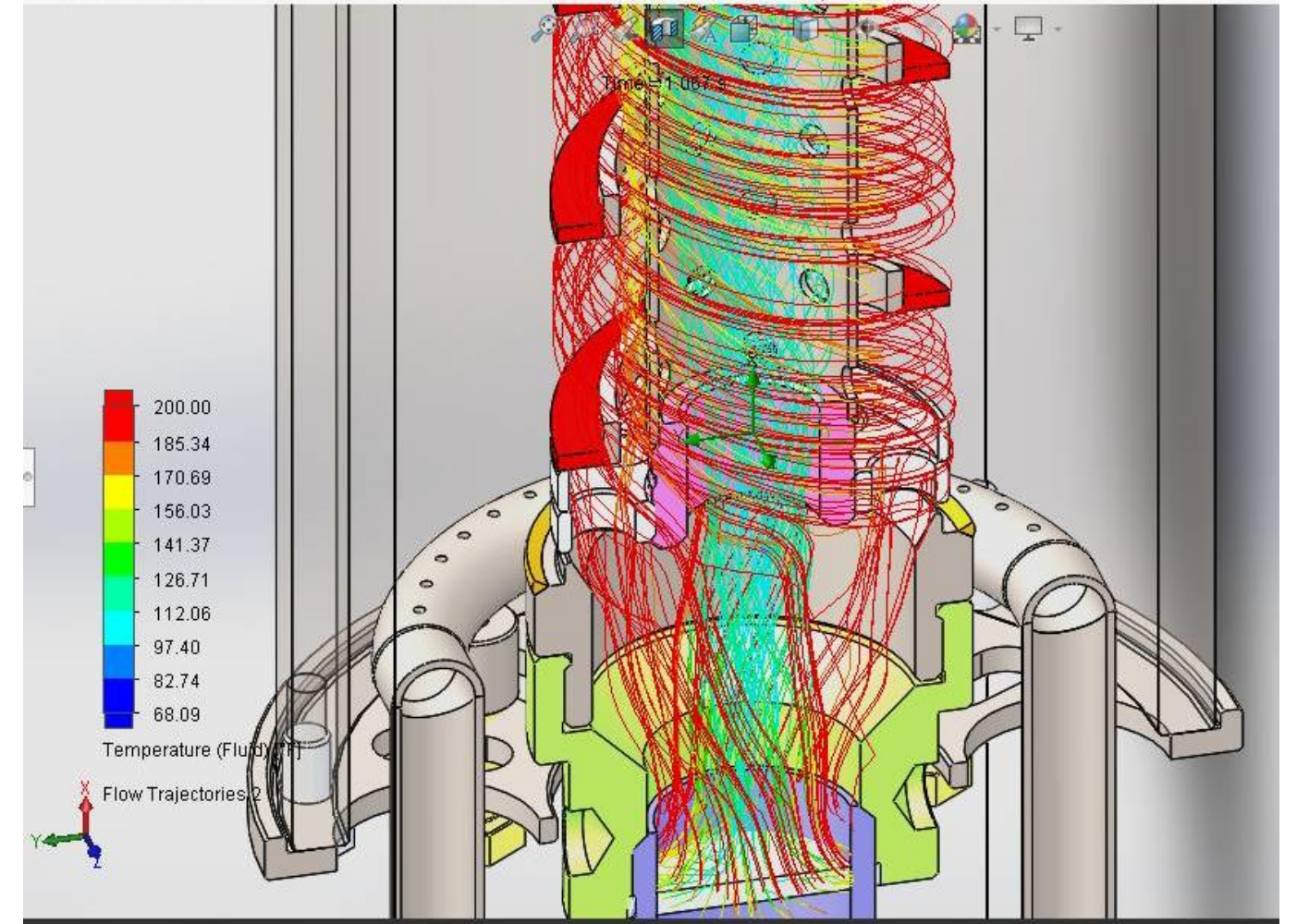
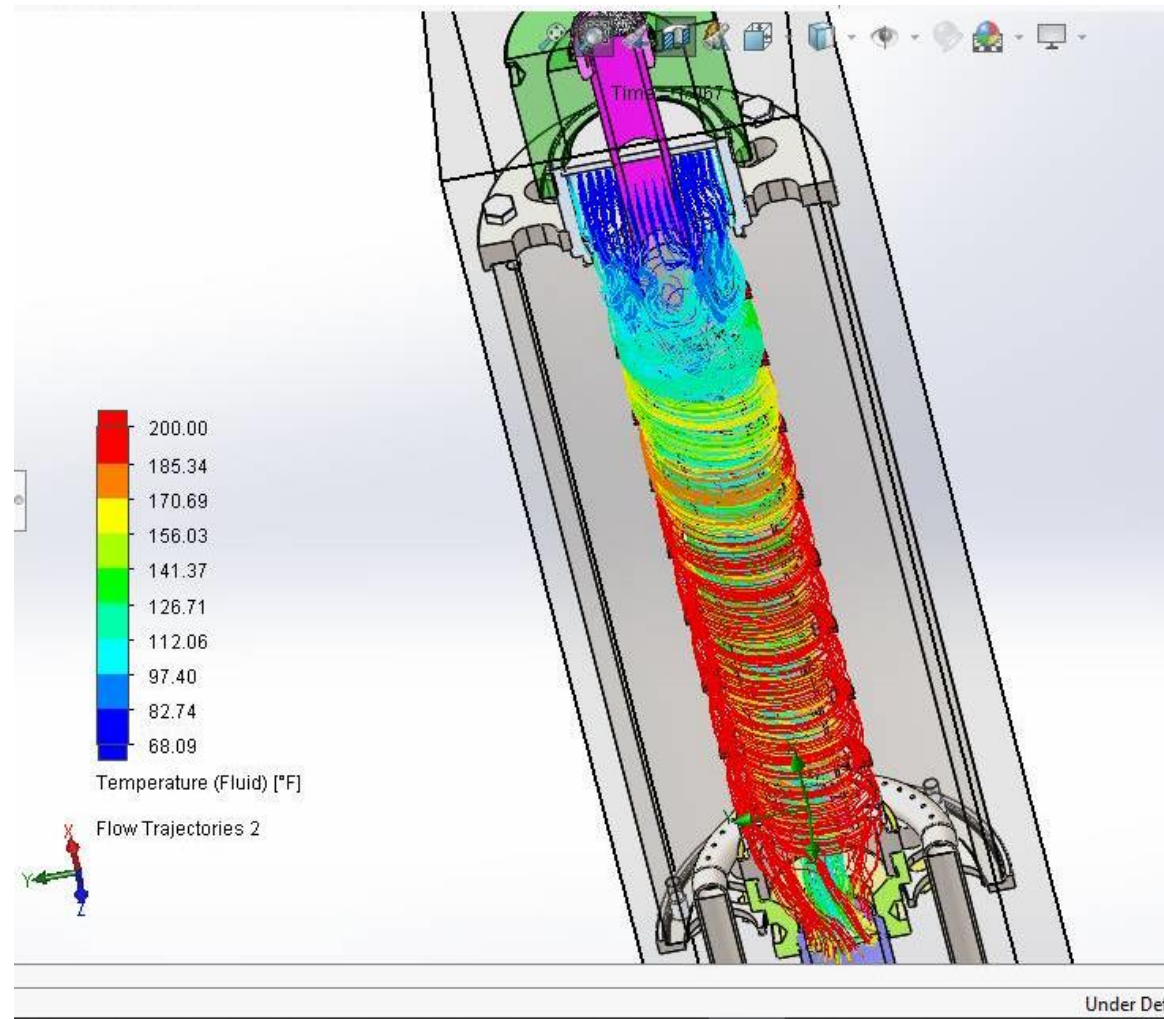
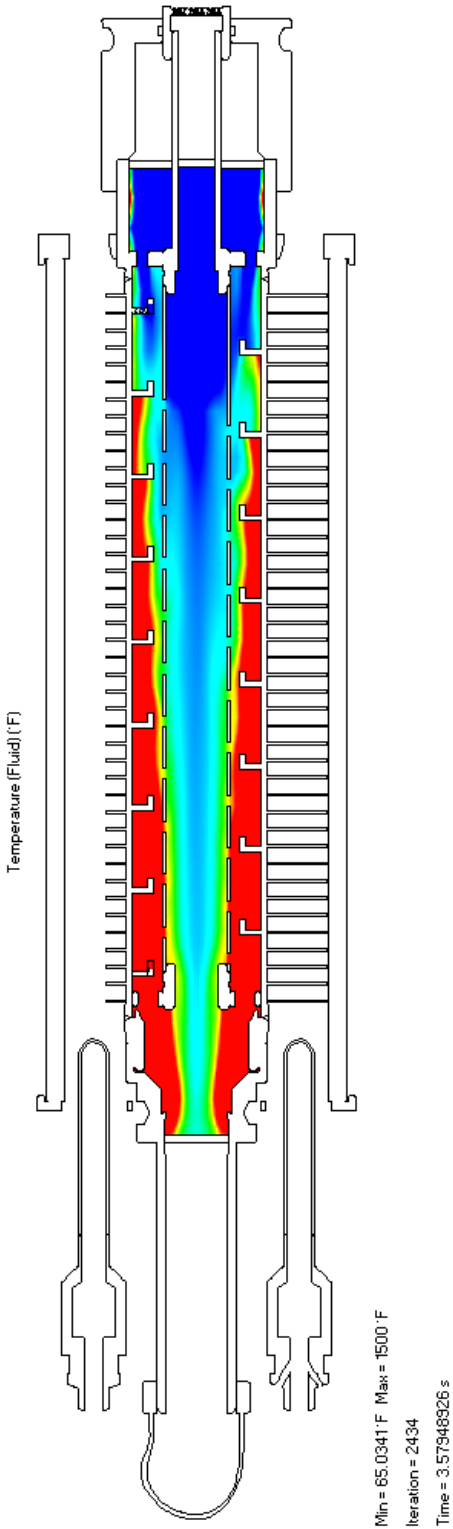
An organized parts department with an inventory system set up to manage thousands of parts, rebuilt and new, that are ready for delivery or assembly requirements.

Summary

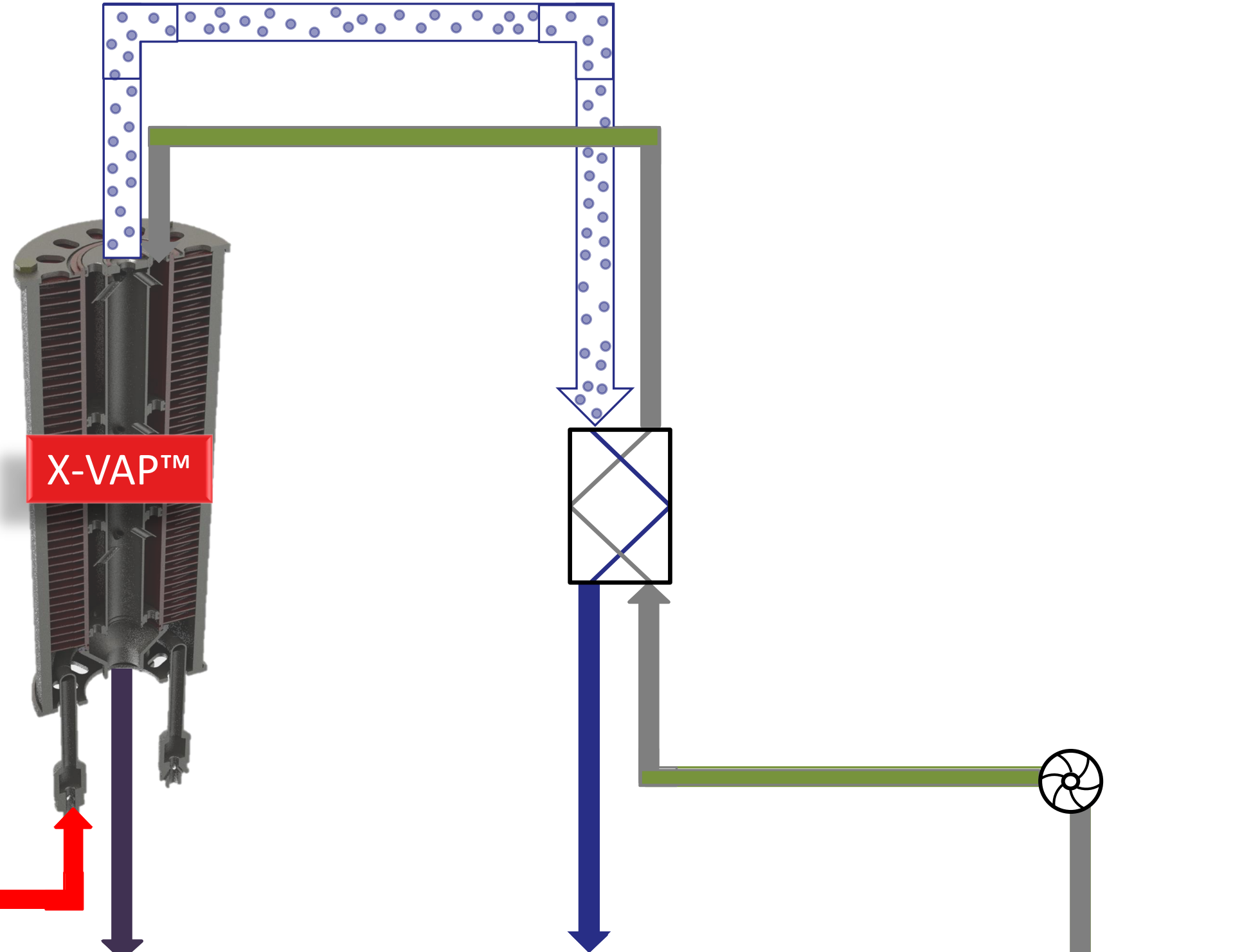
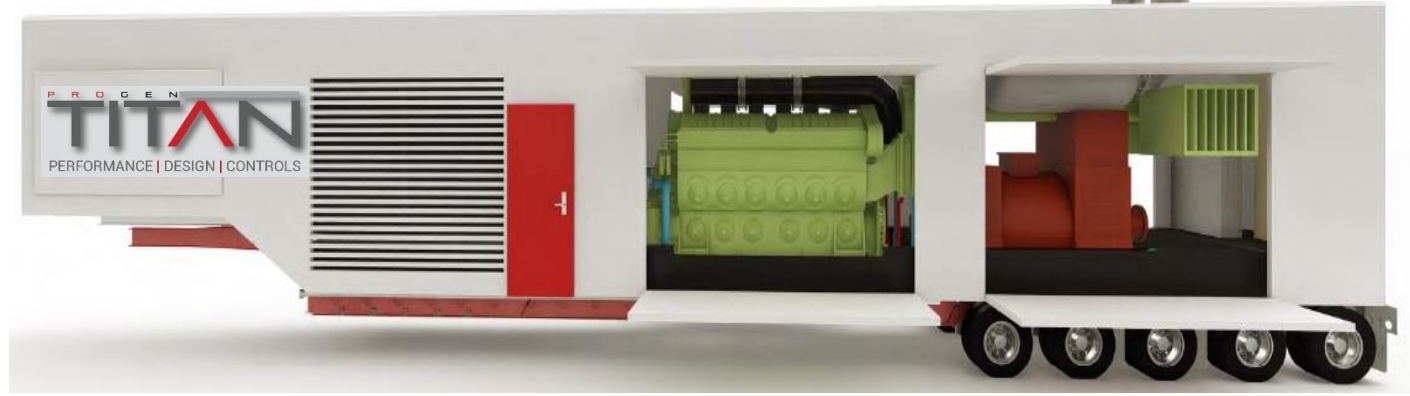
- Medium speed mobile power modules and trailered power modules
- Quickest install and set up time with no special alignment procedures. Levels itself
- Less costly to install, operate and maintain
- Robust and extremely reliable power supply under the harshest of conditions
- Startup up to full load in less than 10 seconds
- **Emissions Compliance for Mobile Power Modules per a gas specification**
- Operates on a variety of raw associated gases. Has its own scrubber to remove water
- Easy to Operate and Maintain – no special tools required
- Complete remote-controls and monitoring
- Can be installed in parallel operation with any number of units at given site
- Can operated at low loads while meeting emissions
- Ratings at a site ambient of 50 deg C (122 F) and high dust environments
- No deration up to 1295 meters (4250') and minimal deration after 4000 of 1.3% per 1000' up to 1200 feet



Thermal Simulations



Simulations Conclusion: If the burner can heat the walls to 1000F you can achieve 66% water to vapor conversion.



Concentrated Brine

Purified Water

Produced Water

Over 99% removal of total dissolved solids from produced water > 200,000 TDS in 12 seconds

| Table Showing Results of Spring, TX, Small Producer Field Test | | | |
|---|-----------|-----------------------------|---------------------------|
| Parameter¹ | | Raw Production Water | Treated with X-VAP |
| Ag 328.068 | Silver | 0.01 | N.D. |
| Al 167.079 | Aluminum | 0.65 | 0.03 |
| B 249.773 | Boron | 38.73 | 0.79 |
| Ba 455.403 | Barium | 1266.36 | 4.62 |
| Bi 223.061 | Bismuth | 0.2 | 0.01 |
| Ca 315.887 | Calcium | 5912.29 | 26.07 |
| Cd 226.502 | Cadmium | 0 | N.D. |
| Co 228.616 | Cobalt | 0 | N.D. |
| Cr 267.716 | Chromium | -0.03 | N.D. |
| Cu 324.754 | Copper | 1.45 | 0.88 |
| Fe 259.940 | Iron | 23.41 | N.D. |
| Ga 294.364 | Gallium | 0.33 | 0.02 |
| K 766.490 | Potassium | 622.99 | 4.86 |
| Li 670.784 | Lithium | 14.92 | 0.07 |
| Mg 280.270 | Magnesium | 511.72 | 2.84 |
| Na 589.592 | Sodium | 33234.63 | 102.25 |
| Ni 221.647 | Nickel | -0.2 | 0.01 |
| Mn 257.610 | Manganese | 25.88 | 0.07 |
| Pb 220.353 | Lead | -0.01 | N.D. |
| Sr 407.771 | Strontium | 1172.93 | 5.66 |

¹ EPA method 6010B wavelength





AQUAPULSAR LLC

**Electro Oxidation
Treatment
for Recycle-&-Reuse of
Flow back and
Produced Water**

SPE-174813-MS

Sanjeev Jakhete
CTO
Aqua Pulsar LLC

www.aquapulsar.com

APPLICATIONS



Hydraulic fracturing

- Cost Effective treatment for reuse saves on fresh water and disposal
- Complete Bacteria disinfection
- Oxidation & Precipitation of Boron and other Divalent cations

Water flooding

- Elimination of SRB and APB Bacteria.
- Multiple oxidants eliminates immunity and assures complete kill
- Softened water has further reach into formation

Pit, pond and tank cleaning

- Mobile unit for rapid mobilization/ demobilization
- Rapid bacteria disinfection
- H₂S smell reduction / elimination

Pretreat

- Simple pretreat for Flash evaporation Process
- Scale elimination allows longer run times
- VOC oxidation assures air quality

Other

- Cooling tower water treatment
- Waste water from hospitals, Food industry and Pharmaceutical industry



Maximum Hydrogen

Bryan Test Facility







**BROUSSARD
ENERGY**

Mark Lancaster

Senior Vice President Business Management for Broussard Energy

432-638-6749

mark@broussardenergy.com