



**Environmental Solutions.
Redefined.**

ARPA-E REMEDY 2023 Annual Meeting

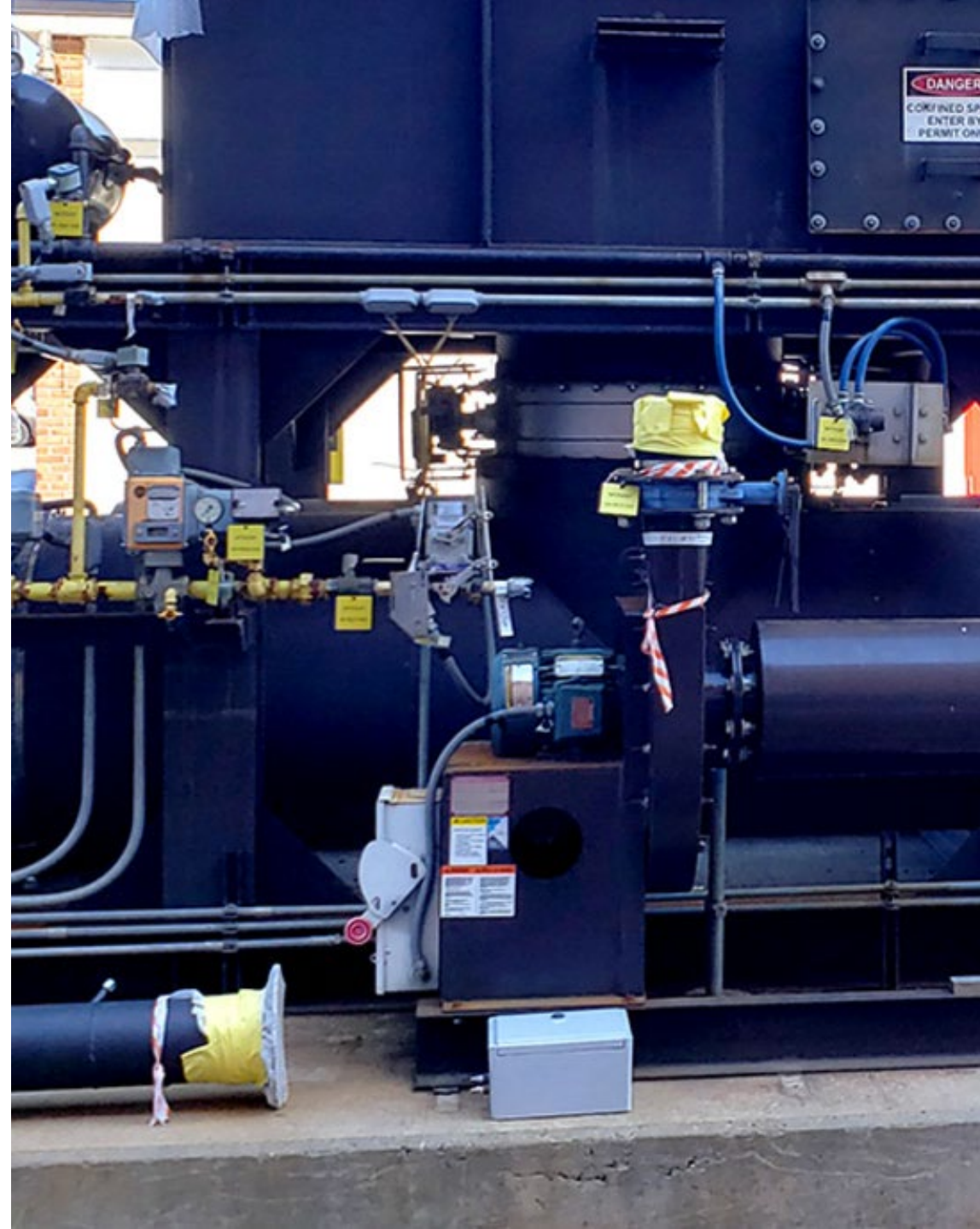
March 21, 2023



About Us

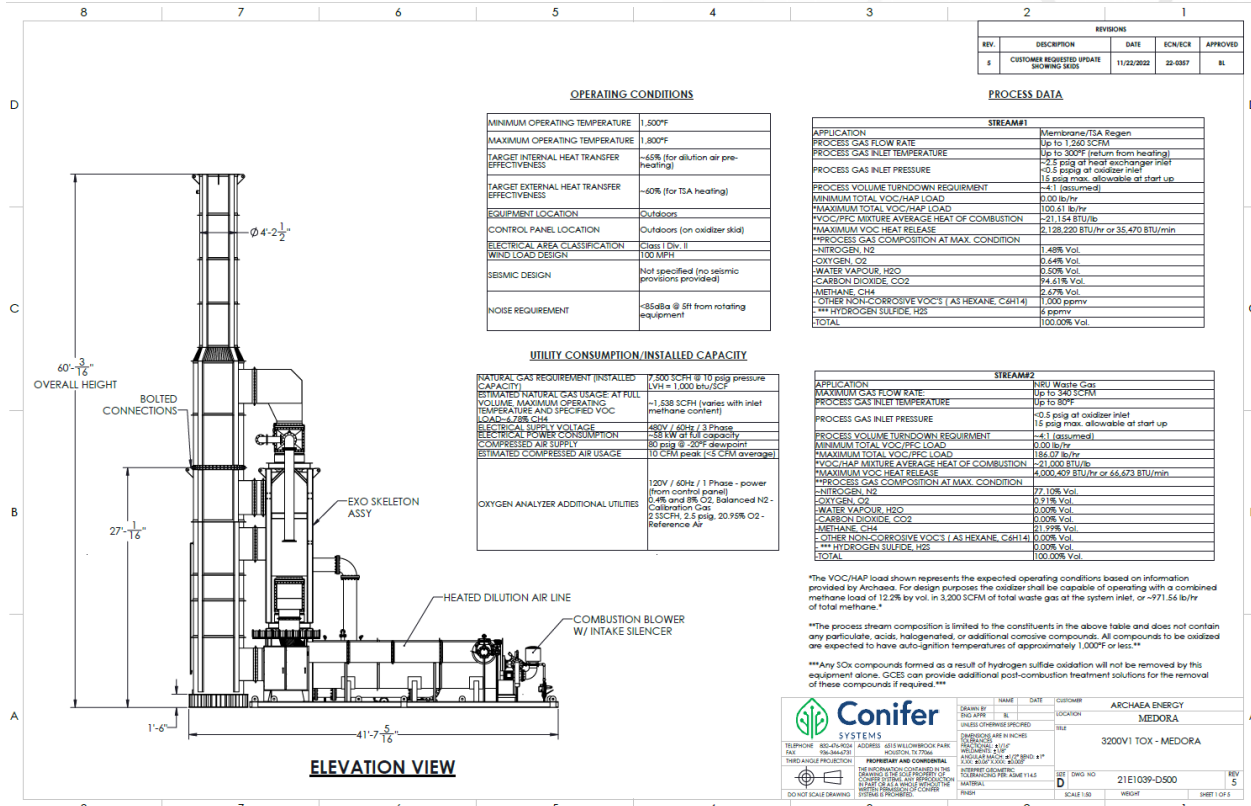
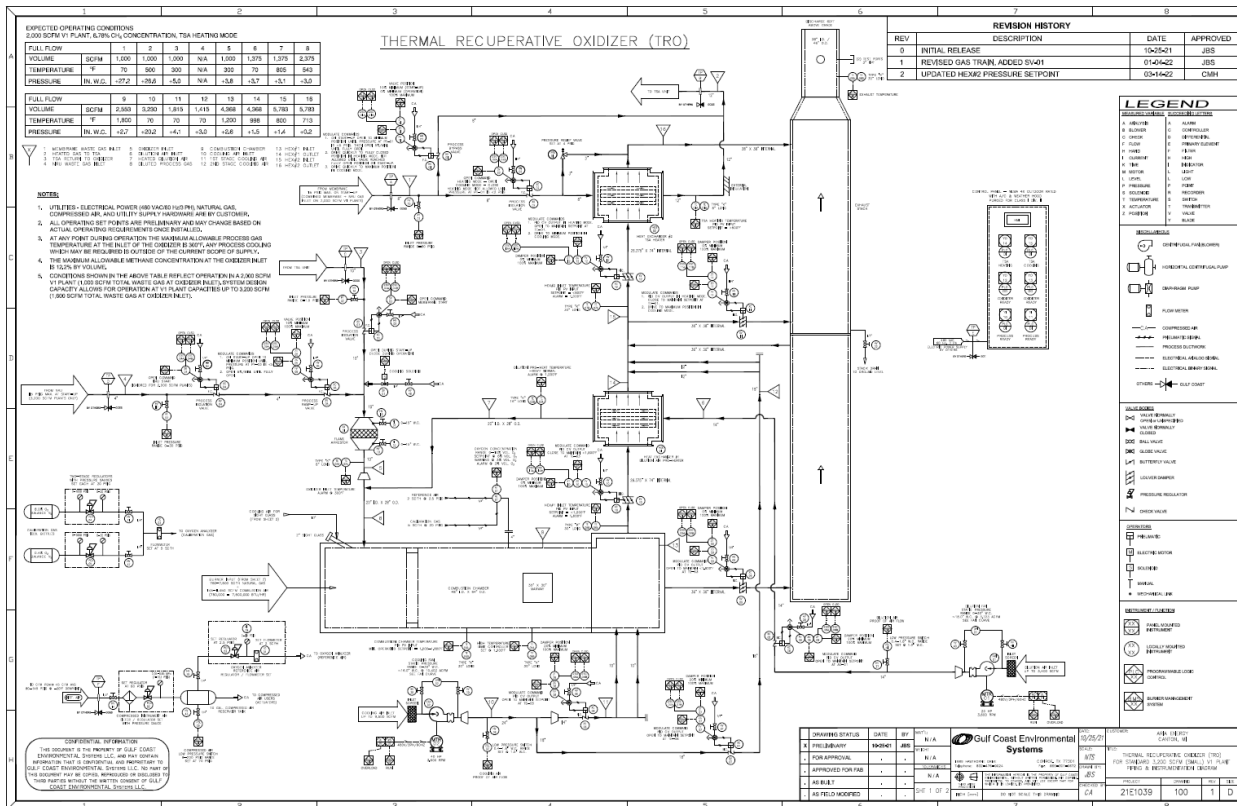
Conifer Systems designs, manufactures, installs and services state-of-the-art emissions control systems. We have delivered 500+ environmental solutions since 2004, helping companies across all industries to achieve their environmental goals.

Conifer Systems is a wholly-owned subsidiary of Archaea Energy, which was acquired by bp in December 2022. We design and manufacture environmental solutions in Houston, Texas.



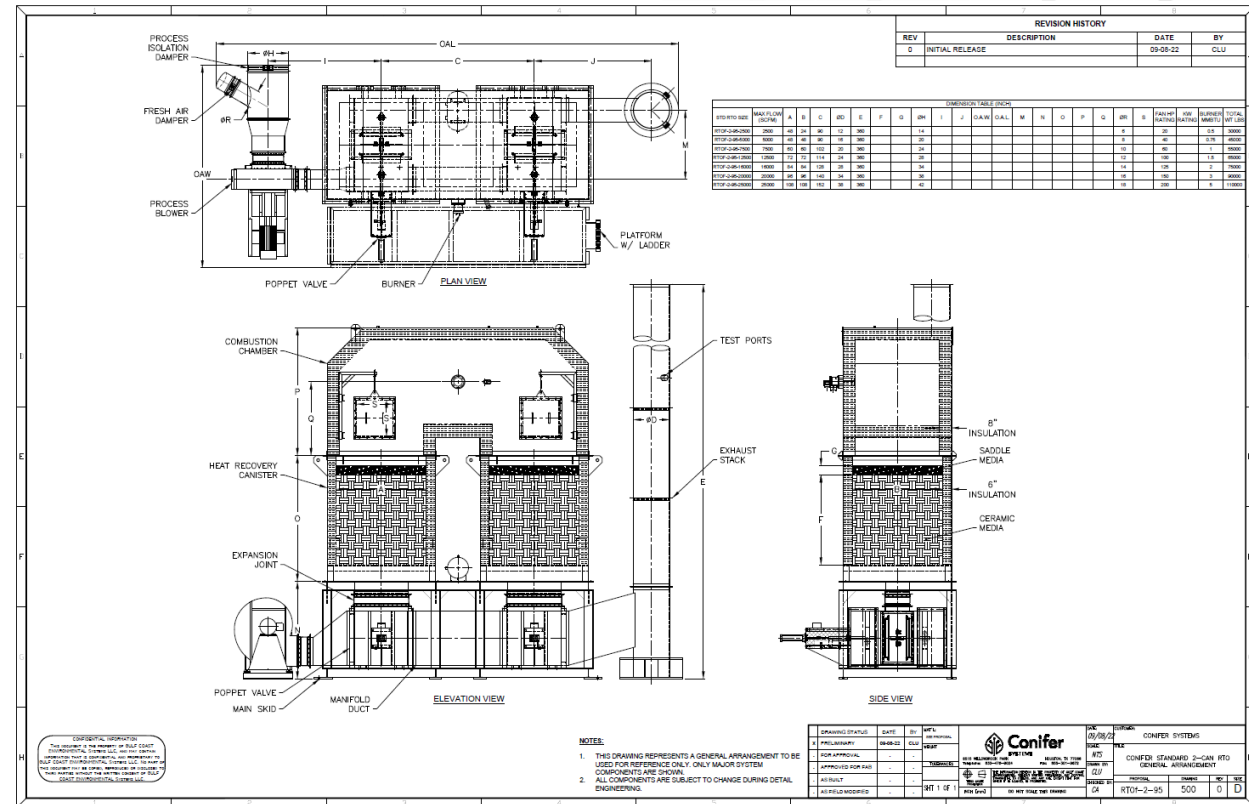
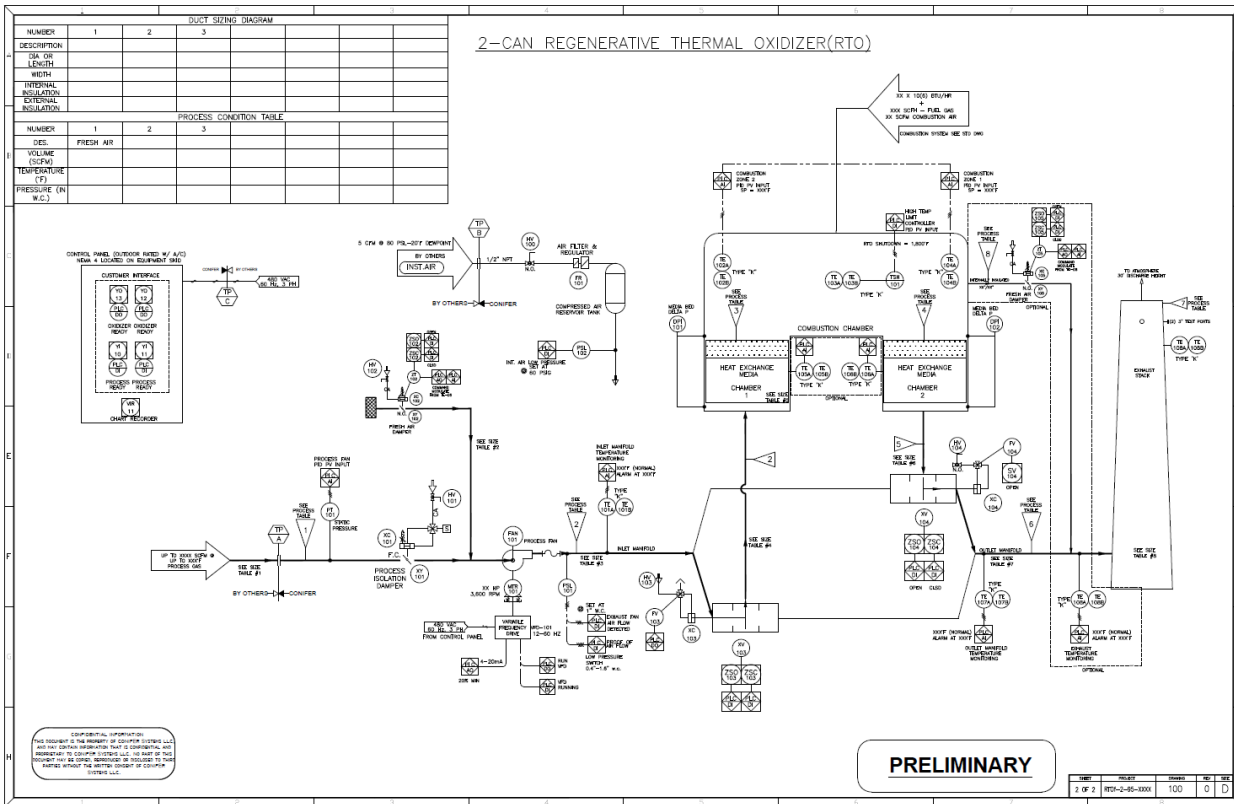
Standardized DFTO Offerings for Landfill Applications

- Pre-engineered DFTO solutions with waste heat recovery
- Landfill production flow rates from 3,200 to 9,600 SCFM
- Lower cost and shorter lead-time vs. custom engineered solutions



Standardized RTO Offerings for VAM Applications

- Pre-engineered 2-can and 3-can RTO solutions
- Flow rates from 2,500 to 60,000 SCFM
- Lower cost and shorter lead-time vs. custom engineered solutions



Aeros MineOx

Aeros MineOx meets the needs of mining operations and highlights stewardship initiatives by lowering carbon footprints, destroying fugitive emissions, and creating carbon credit opportunities. This specialized Regenerative Thermal Oxidizer (RTO) system was developed for large volumes and varying methane concentrations while being scalable to suit individual facility needs.

Robust

Aeros MineOx is strong and resilient in design to ensure reliable performance in both harsh conditions and remote environments.

Scalable

Conifer's high-efficiency RTOs are arranged in a parallel, scalable configuration to form the backbone of the Aeros MineOx solution to destroy fugitive emissions in larger volume applications.

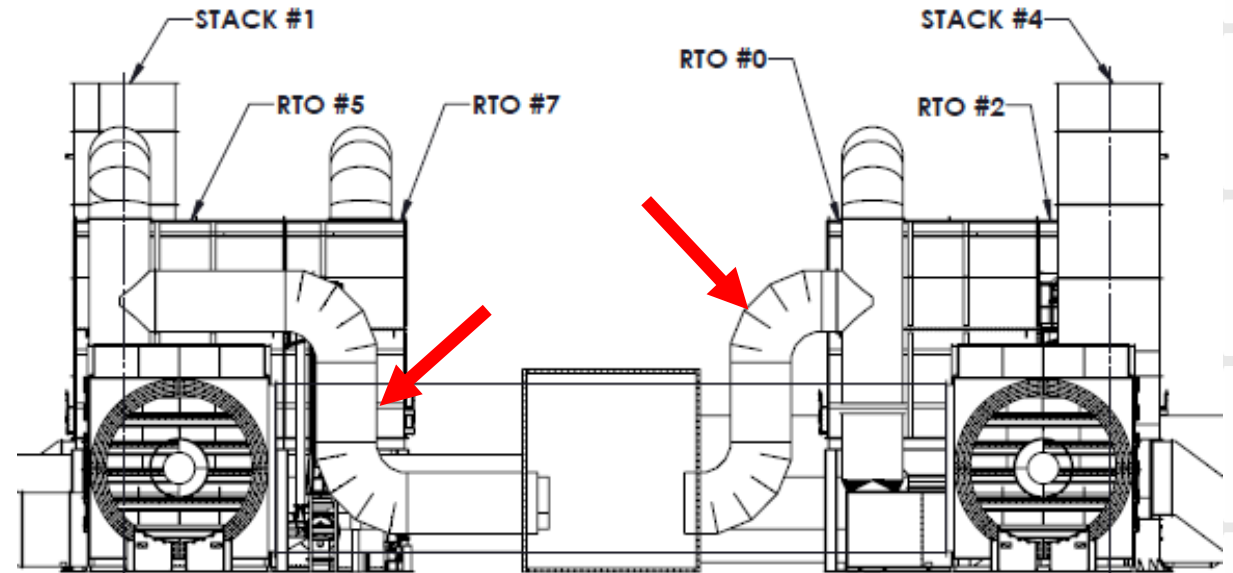
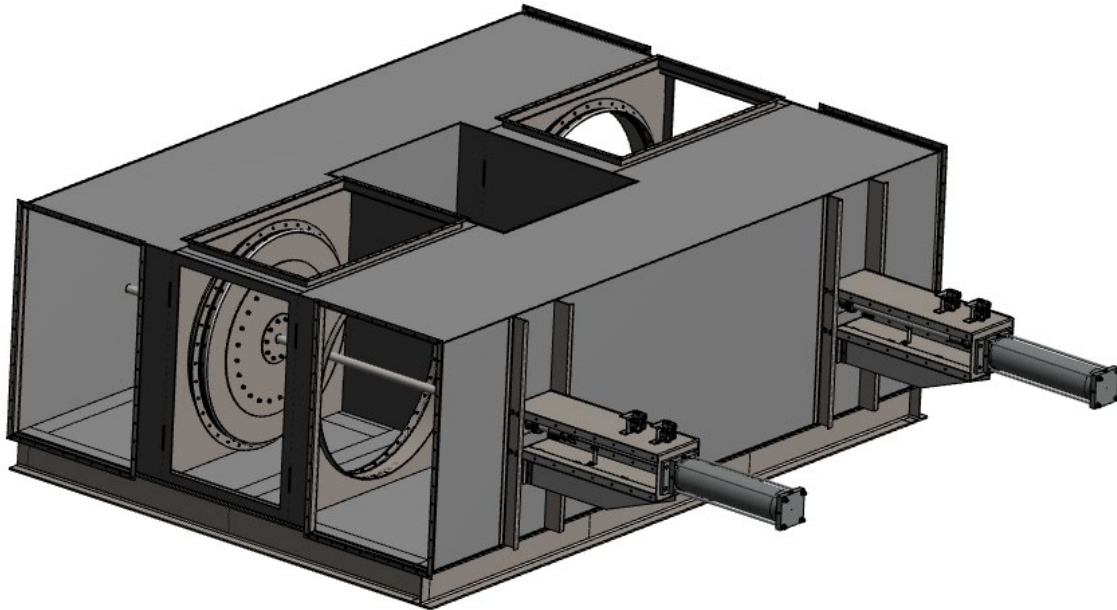
Efficient

Aeros MineOx can destroy up to 98% of fugitive emissions, making it the ideal solution to achieve carbon reduction targets while maximizing project returns.

Key Aeros MineOx Features

MONOLITHIC POPPET AND DEWPOINT CONTROL SYSTEM (PATENT APPLICATIONS PENDING)

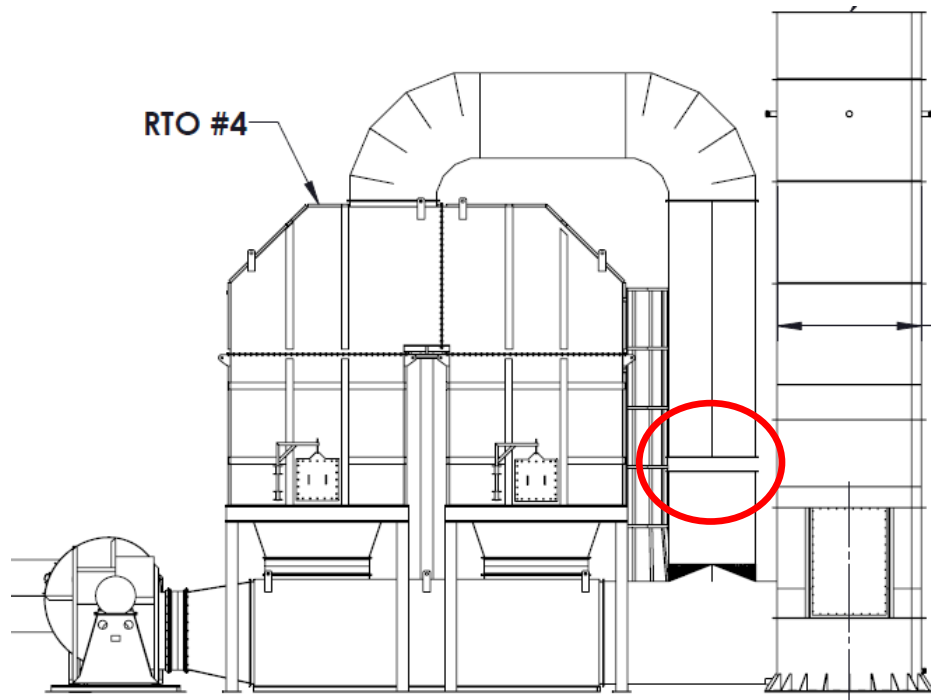
- The Aeros MineOx Monolithic Poppet is fully assembled and tested during manufacturing, significantly reducing installation cost and time without adding significant cost to manufacturing
- Aeros MineOx diverts hot gas from the RTO combustion chamber to the inlet source ducting to prevent condensation formation, providing flow assurance and reducing corrosion for high humidity VAM applications
- Supplemental Fuel Injection ensures sufficient hot gas is available to be diverted at lower VAM concentrations



Key Aeros MineOx Features

HOT GAS BYPASS (HGB) AND CEMS TECHNOLOGY

- An HGB feature maintains combustion chamber operating temperatures between 1400 to 1800 deg F at higher VAM concentrations
- The HGB damper is designed for continuous operation at 1900 deg F and is installed beyond the radiant heating zone to ensure years of reliable operation
- We offer the CEMTEK Tunable Diode Laser (TDL) system to confirm methane destruction
 - Gas sampling not required (no heated sample lines)
 - Approved Zero & Span Calibration (self-calibrating)
 - Extremely Fast (<1 second) response time
 - Operates in high dust/moisture applications
- Integrates with Aeros Controls to provide seamless data storage and information transfer to site DCS



Launcher Detector



Reflector Optics

Key Aeros MineOx Features

AEROS CONTROLS BY ALTRONIC

- Built on the Altronic DE-4000 Safety Shutdown and Control System
 - Designed and manufactured in Ohio, USA
 - Scalable solution built around modern Ethernet communications
 - Lua scripting engine to support custom algorithms and logic
 - Open source, IoT (no special software to purchase)
 - Auto-start functionality
- Class I, Division 2, Groups C and D Rating
- Designed for severe service environments
 - HMI temperature rating from -22°F to $+175^{\circ}\text{F}$
 - Controller and Terminal Module (RIO) temperature rating from -40°F to $+185^{\circ}\text{F}$
- Field devices wired to RIO panels and networked via Ethernet to reduce electrical hook-up scope (saves on cost and schedule)
- Customizable web-based dashboards
- 12-week lead time vs. typical current market availability of 48+ weeks

The graphic features the Conifer Systems logo at the top left. The main title 'Aeros Controls' is in large yellow font, with 'A Solution by ALTRONIC' below it. A tagline on the right states: 'Aeros Controls delivers an adaptable solution for facilities in any industry, application, or environment.' Below this, a green banner reads 'EASY IMPLEMENTATION & SIMPLIFIED INTERFACE'. The 'CONTACT US TODAY' section includes phone, email, and address information. Three feature icons (Robust, Reliable, Scalable) are on the right, each with a brief description. The bottom right corner has the slogan 'EQUIPMENT CONTROLS. REDEFINED.' and the website 'www.reallygreatsite.com'.

Conifer
SYSTEMS

Aeros Controls

A Solution by ALTRONIC

Aeros Controls delivers an adaptable solution for facilities in any industry, application, or environment.

EASY IMPLEMENTATION & SIMPLIFIED INTERFACE

CONTACT US TODAY

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ROBUST
This control system is fully designed and manufactured with in-house quality control at Altronic's facility to allow for lower costs and quicker lead time. Aeros Controls is expandable for use across a range of applications and defaults to the lowest level of complexity and incorporates an easy user interface. Integral auto-start functionality, automatic speed, capacity control, and an onboard cool-down timer are also available to optimize any equipment.

RELIABLE
Aeros Controls was specifically created with harsh or hazardous environments in mind. With operating temperatures ranging from -40°C to 85°C (-40°F to 185°F), it is suited for facilities almost anywhere in the world and applications with the most severe conditions.

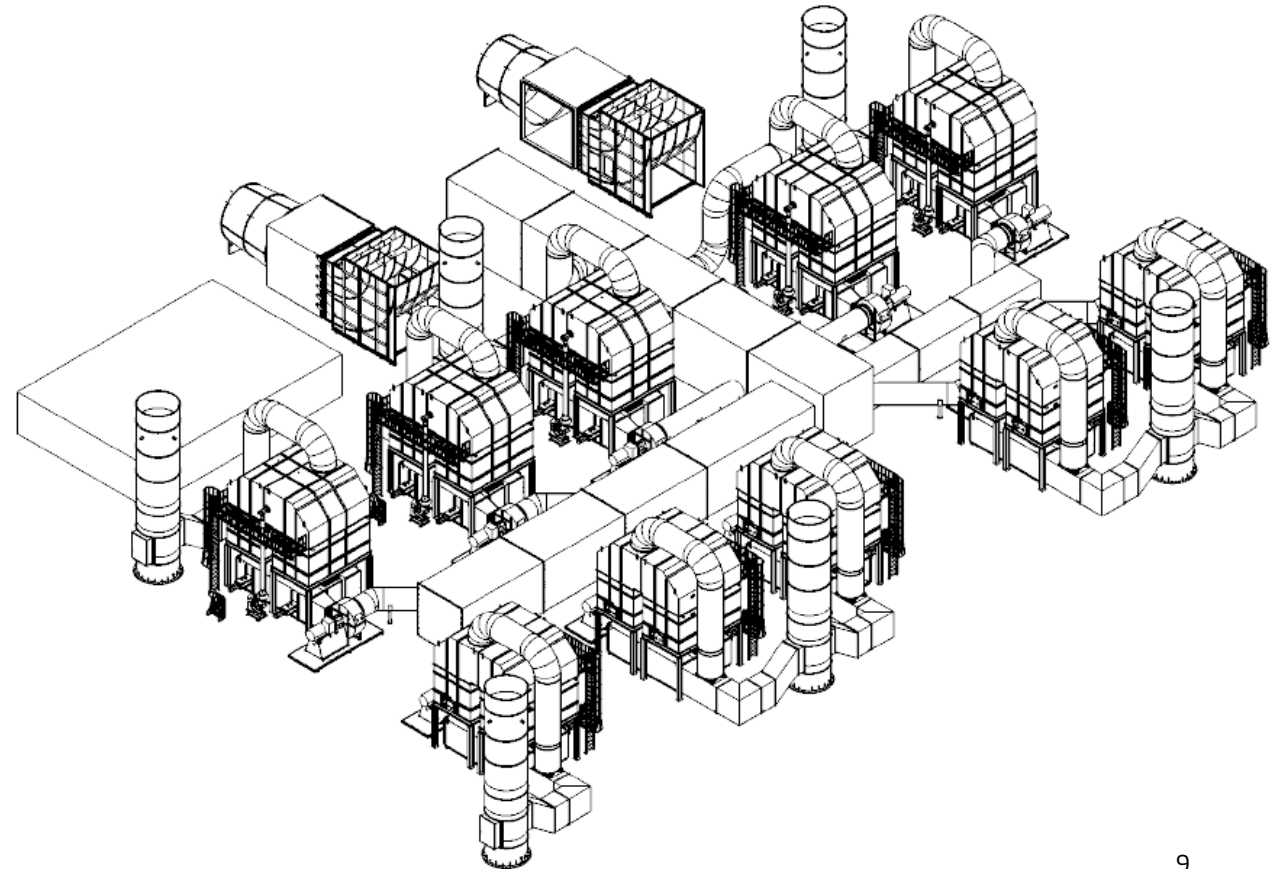
SCALABLE
Aeros Controls can be scaled as a standardized system for small to large horsepower units and modestly complex to PLC-class applications. The solution is RIO capability enabled and built from the ground up around modern Ethernet communications to operate in a connected environment for equipment fleets.

www.reallygreatsite.com

EQUIPMENT CONTROLS. REDEFINED.

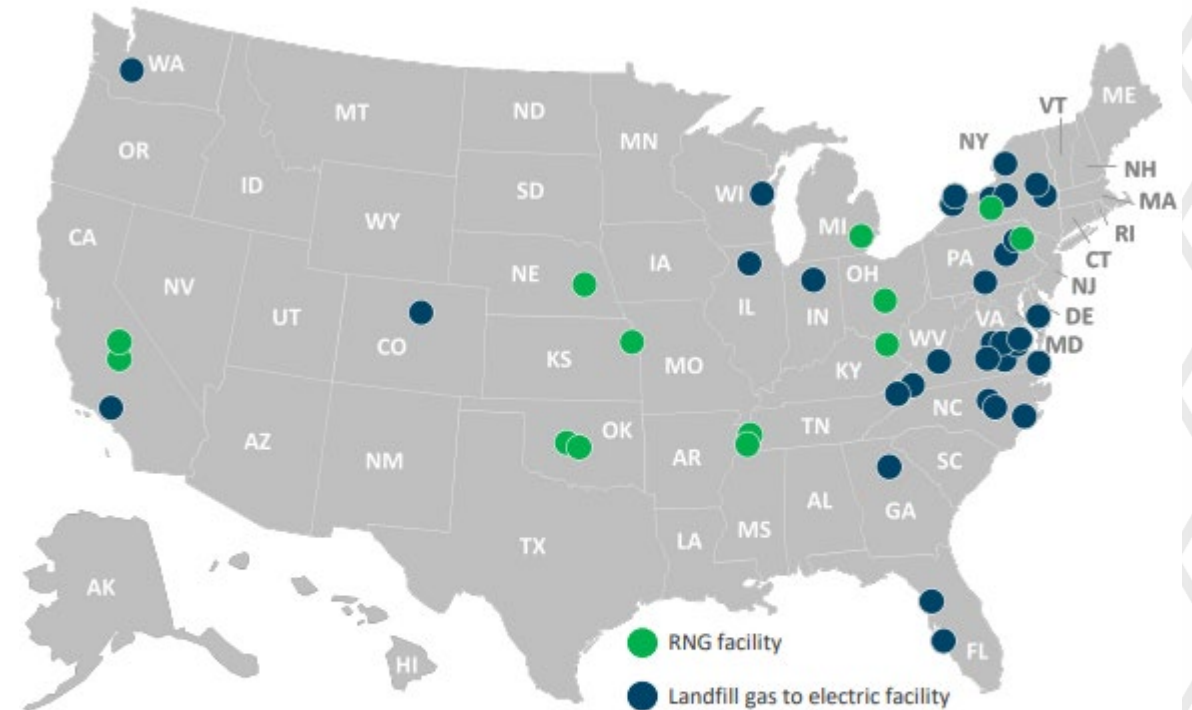
Recent VAM Project Win - Solvay Project Vulcan (Green River, Wyoming)

- Largest VAM project in the USA
- Infrastructure designed to accommodate 20% future growth
- Project awarded November 2022, fabrication commenced February 2023, commissioning scheduled to begin March 2024



Archaea Energy RNG and LFGTE Development

- RNG company focused on the end-to-end development of facilities to transform waste emissions into low carbon fuel, with a primary focus on landfill gas (LFG) as feedstock
- Industry-leading RNG platform, with 13 RNG facilities and 33 landfill gas to electric facilities (LFGTE)
- Extensive, high-quality project backlog of 88 projects including optimizations of existing RNG assets and new build projects
- Technology-driven approach paired with gas processing expertise advances operational excellence, faster project timelines, and lower development costs

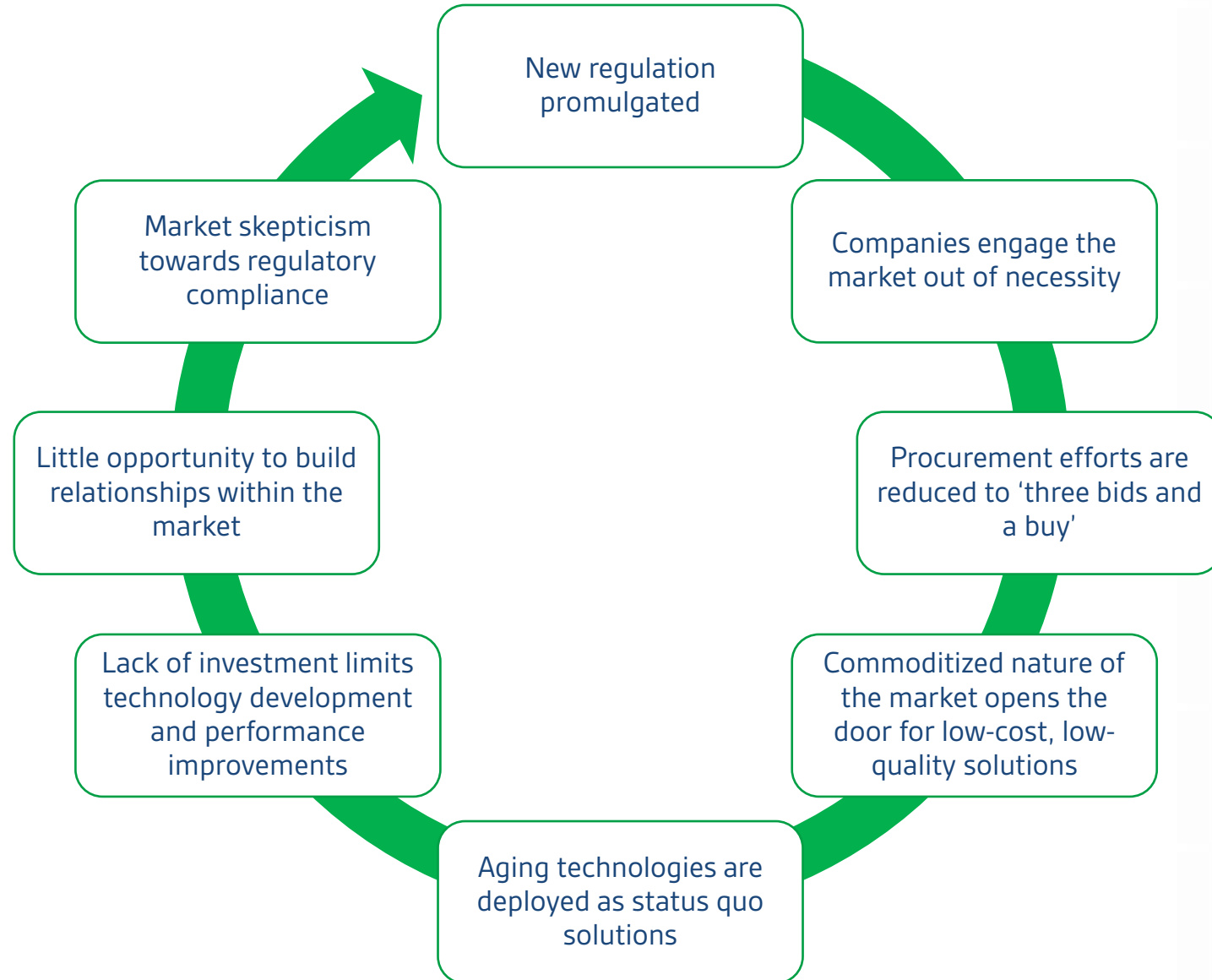


46 RNG and landfill gas to electric (LFGTE) facilities across the U.S.

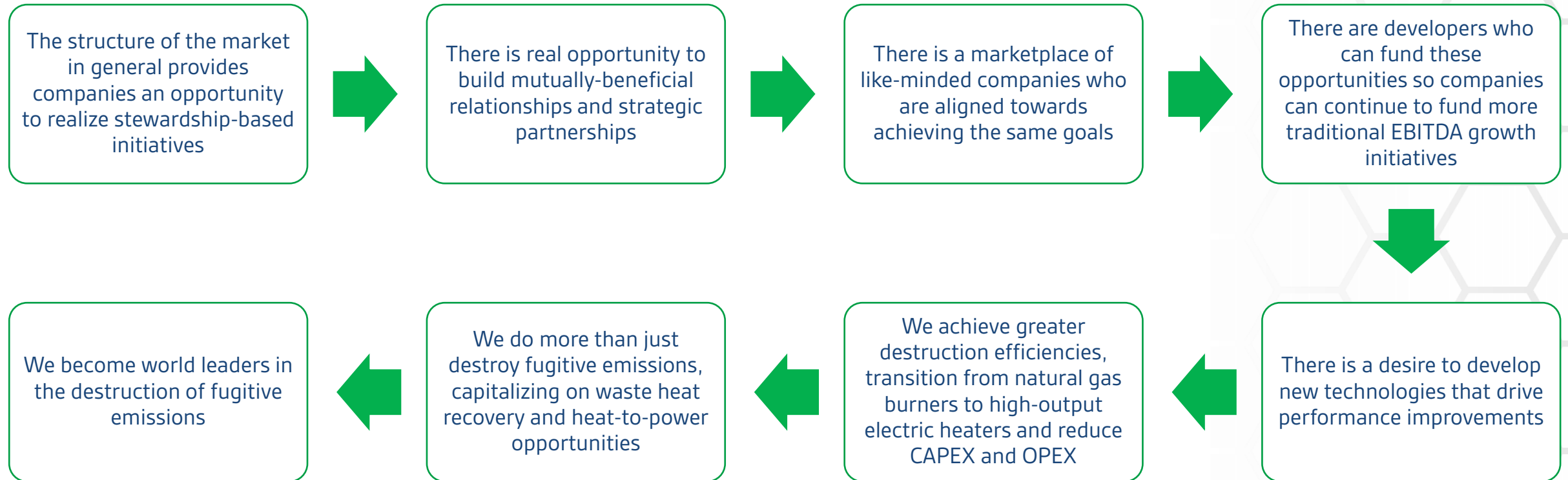
Archaea Energy RNG Facility



Traditional Behavioral Cycle within Regulated Markets



Why are We Excited about the VAM Market?



What Challenges do We Need to Address?

MARKET

- Address any 'regulatory hangover' that has carried over from the regulated markets
- Build relationships and convince mine owners that this is not too good to be true
- Educate the market on the various commercial strategies (own, own/operate and development by others)

DEVELOP

- Identify key players within the market and explore strategic partnerships
- Realize new technology developments and implement performance improvements

EXECUTE

- Build a development pipeline, capitalizing on the recent uptick in activity and pushing opportunities across the finish line
- Capitalize on the benefits of this market to avoid regulatory intervention, putting us right back where we started . . .

Why are We the Right Strategic Partner for the VAM Market?

We have the right solution

- Fugitive emission destruction is in our DNA, 95% of our revenue comes from destroying methane
- We are a US-based company with manufacturing operations in Houston, Texas
- Our modular solution is easy to transport and install and can be redeployed to maximize long-term asset value
- We offer long-term service plans and extended warranty programs to extend equipment life, maximize equipment uptime and reduce operational costs

We support the development of new technologies that push the performance envelope

- We want to partner with like-minded companies who are passionate about what they do but may need assistance commercializing their development
- We manufacture our own systems, so we have the expertise to bring new technologies to life
- We are well capitalized and can sponsor or fund developments
- We can be the vehicle to take these new technologies to market

Why are We the Right Strategic Partner for the VAM Market?

We can execute under any commercial strategy and are ready to push this market forward

- We can supply the RTO technology
- We can deliver a turn-key, installed VAM system
- We can operate and maintain the VAM system
- We can fund and develop a VAM solution

We are externally focused and driven to be a strategic execution partner

- We value mutually-beneficial relationships
- Our Management Team has decades of fabrication, manufacturing, construction and abatement experience
- We are passionate about building environmental solutions that help customers achieve stewardship-driven goals
- We know the best projects start and finish on time without commercial change orders
- We accurately scope the solution at bid stage and do what we said we would do during project execution
- We identify workarounds to address challenges and keep the project on track and on budget

Contact Us

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