

Biogas Solutions





SUNOMA DAIRY PROJECT

Tough Challenge

Renewable Natural Gas (RNG) projects are comprehensive, complicated, and demand a multi-disciplinary team of experts to be able to tackle all that is required to successfully deliver a system that can operate for the long term.

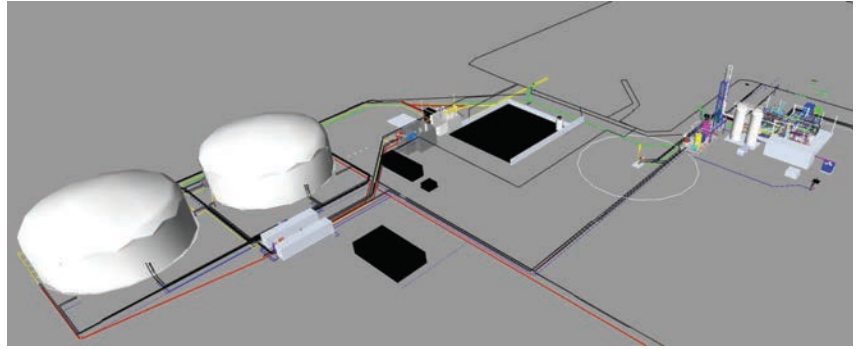
Smart Solution

Our team has industry-leading expertise. As your project partner, we provide a wide range of services that span the life cycle of your project. In addition to comprehensive Engineering Procurement Construction (EPC) solutions, we provide conceptual planning, preliminary design packages, operations and maintenance, environmental permitting, laboratory sampling and testing, and regulatory reporting.

COMPREHENSIVE SERVICES

With focused expertise on Low CI gas projects, we work closely with farmers, developers, site owners, investors, and other key stakeholders to help bring your project to life.

- Preliminary Project Evaluation & Troubleshooting
- Technology Screening & Selection
- Detailed End-to-End & Integrated System Design
- Project Engineering & Equipment Procurement
- Project Permitting
- Installation & Construction
- System Start-Up & Commissioning
- Long-Term Operations & Maintenance
- Owner's Representative & Project Management



See How it Works

We find unique and sustainable ways to generate renewable biogas from waste streams. Additionally, dairy farmers recognize the opportunity to boost farm revenue by installing anaerobic digesters - converting biogas from the farm's manure to RNG.



View our approach to Biogas projects



We Know Renewable Natural Gas



Our team of industry pioneers lead in early-stage project evaluation, permitting, technology selection, design, engineering, procurement, construction management, and long-term operations and maintenance for projects of all sizes.

BIOGAS EXPERTS

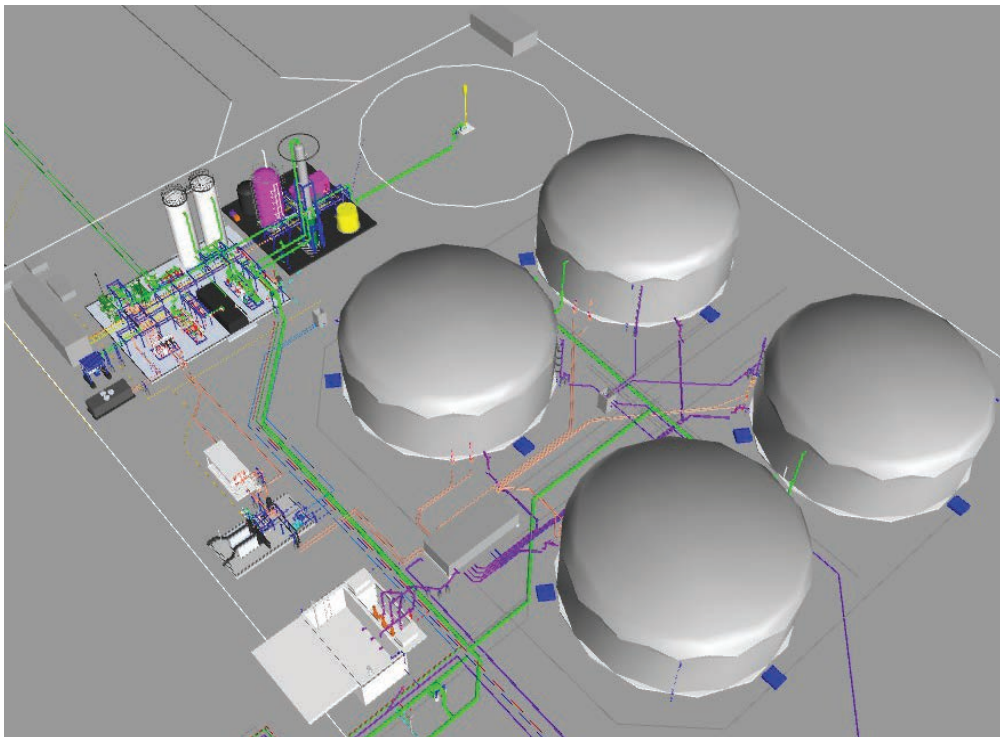
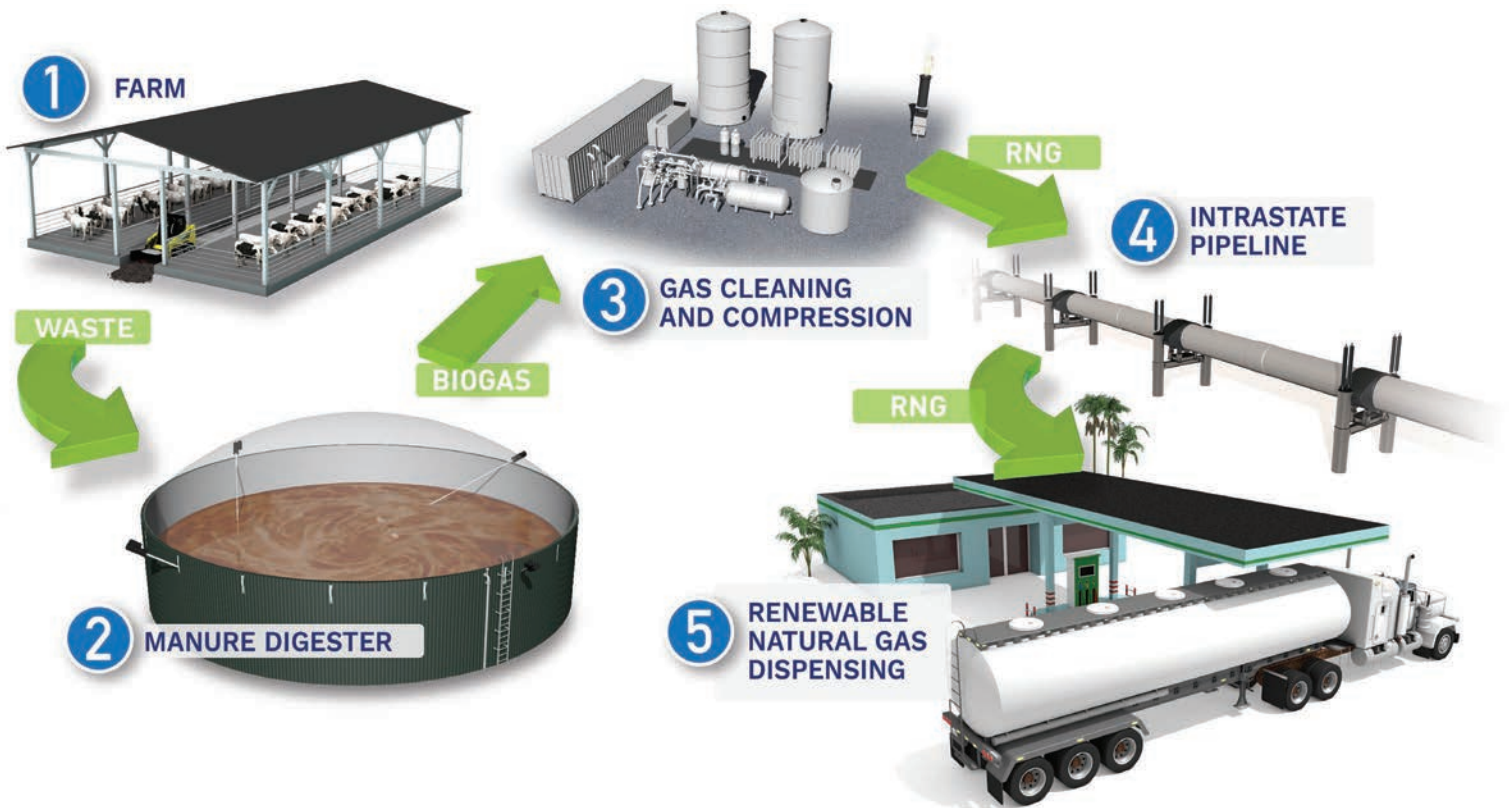
Our multi-disciplinary project team of certified engineers, project managers, construction staff and operators encompass the comprehensive suite of services necessary to develop, design, build, operate, and maintain RNG facilities.



Scan to
meet the
team

RNG PROCESS

Making Ultra-Low Carbon Fuel from Waste



COMPREHENSIVE IN-HOUSE 3D-MODELING

- Design
- Modeling
- Procurement
- Construction
- Commissioning
- Startup

We Can Handle RNG Projects

Our team is part of a global network of environmental professionals and experts that provide services across disciplines to clients in both the public and private sector.

Our team's footprint, resource and depth as part of Montrose Environmental Group allows us the ability to lead large projects and provide clients with the confidence and guarantees needed to execute and deliver complex RNG solutions.



PROJECT EXPERIENCE THAT SETS US APART

Collectively, our team has helped over 50 farms and landfills along their RNG project journey, and we hold and value key relationships across the industry for strategic teaming and partnering.



Project Experience



PALOMA DAIRY - GILA BEND, AZ
10,000 MILKING COWS

SCOPE

Montrose is providing a comprehensive manure handling system and full anaerobic digestion and gas upgrading system with injection to the Southwest Gas pipeline. We are providing all process equipment.

GAS FLOW RATE

700 SCFM

TECHNOLOGIES INCLUDE

Mix Digesters (3), Carbon filtration for H₂S, Membrane Gas upgrading, Gas compression to pipeline injection, Covered lagoon digester

SERVICES

Engineering, All Equipment Procurement, Process Guarantee for gas quantity and gas quality, Schedule Guarantee, Construction Management, Long Term O&M, Project Permitting, CI scoring



DEL RIO DAIRY - FRIONA, TX
8,000 MILKING COWS

SCOPE

Montrose is providing a fully integrated system that will have guaranteed gas quality to meet the local Atmos gas pipeline specification.

GAS FLOW RATE

Confidential

TECHNOLOGIES INCLUDE

Digester piston-style feed pumps, anaerobic digesters (2), Digester heating system, Screw press dewatering of digestate with fiber bedding return to the farm, Covered Anaerobic Lagoon, Thiopaq biological desulfurizer with dry media backup, Sulfatreat dry media H₂S polishing, membrane gas upgrading system, gas compression to pipeline injection

SERVICES

Engineering, All Equipment Procurement, Process Guarantee for gas quantity and gas quality, Schedule Guarantee, Construction Management, Long Term O&M, Project Permitting, CI scoring



CONFIDENTIAL

SCOPE

Montrose is providing a fully integrated turn-key facility with guaranteed performance and schedule.

GAS FLOW RATE

Confidential

TECHNOLOGIES INCLUDE

Manure receiving and pumping, CSTR digesters, integrated heat recovery system, fiber bedding return to dairy, anaerobic lagoon, biological and carbon based H₂S removal media, dehydration, 3-stage membrane system, final compression and interconnect

SERVICES

Concept Engineering, Detailed design to fabrication drawings, Owners Engineer



CONFIDENTIAL

SCOPE

Montrose is providing a fully integrated turn-key facility with guaranteed performance and schedule.

GAS FLOW RATE

Confidential

TECHNOLOGIES INCLUDE

Manure receiving and pumping, CSTR digesters, fiber bedding return to dairy, anaerobic lagoon, carbon based H₂S removal media, dehydration, 3-stage membrane system, final compression and interconnect

SERVICES

30% Engineering Package, Cost Estimating to get through final funding, CI Scoring



Learn Your RNG Potential

“In this complex space of converting cow manure into RNG there are only a couple of firms I would trust that can handle the whole project, of which Montrose is one of them.”

- Mark Stoermann, COO Newtrient

“Montrose came highly respected and has a lot of knowledge in this field, and has been very hands on with our project and been really good to work with. We’re really happy with how the project’s turned out.”

- Allan Van Hofwegen, Sunoma Dairy Owner

CONTACT

What can your dairy manure do for your farm? Or, for our environment?
Contact Jacob to get started.



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