

**NATURAL GAS PROCESSING
& TREATING PRODUCTS**





WHO WE ARE

Opero Energy, an affiliate of Audubon Companies, delivers integrated processing solutions to the oil and gas midstream industry. Offering a wide range of options for natural gas processing and treating, we provide customized process solutions that ensure a maximum return on investment. Our service capabilities include EPC, fabrication, operational and technical support services across all phases of the project life-cycle. As a leading expert in oil and gas infrastructure, we deliver value-added products, technologies, and services - safely and efficiently.

OUR COMMITMENT TO SAFETY

At Opero Energy, we are committed to a culture in which team members' work in a safe and healthy environment. We firmly believe that people are at the center of what we do. Whether in the office or on site, we are committed to creating an incident-free environment that complies with all safety procedures and regulations. Safeguarding the workplace begins with teamwork and leadership, and everyone has the authority and obligation to stop any work believed to be hazardous. We take every possible preventative and corrective measure to ensure all personnel makes it home safely each day.

NATURAL GAS PROCESSING & TREATING PRODUCTS

- Cryogenics Gas Processing Plants
- Mechanical Refrigeration Units (MRU)
- NGL Fractionation
- Condensate Stabilization Units
- Amine Treating Systems

PRODUCTION EQUIPMENT

- Gas Processing
- Oil & Gas Treating
- Crude Stabilization
- Gas Dehydration

ENGINEERING & FABRICATION SERVICES

- Standardized & Custom Designed Solutions
- Front End Engineering & Design (FEED)
- Multidiscipline Engineering
 - Process & Treating Engineering
 - Civil Engineering
 - Mechanical & Structural Engineering
 - Electrical Engineering
 - Instrumentation, Controls & Automation
- Equipment Procurement
- In-House Fabrication
- Installation & Start Up
- Project Management



**DESIGNED FOR
MAXIMUM NGL
RECOVERY**

CRYOGENIC GAS PROCESSING PLANTS



Opero Energy's cryogenic gas plants are designed for prompt production and maximum NGL recovery, saving our clients time and money. Our multidisciplinary team designs standardized and custom solutions that consistently meet or exceed performance expectations.

STANDARD SIZES & CAPACITIES

60 MMSCFD ■ 120 MMSCFD ■ 200 MMSCFD ■ 250 MMSCFD ■ 300 MMSCFD

FEATURES & BENEFITS

- Operates with no loss in rated capacity with up to 10.0 GPM gas
- Mole sieves that are capable of handling partially or fully water saturated gas
- Ultra high ethane and propane recoveries
- Ultra high ethane rejection designs
- Y-grade liquid product meeting C1/C2 LV% of 1.5



MECHANICAL REFRIGERATION UNITS (MRU)



Opero Energy's mechanical refrigeration units are modular, skid-mounted for rapid installation and commissioning. Used in natural gas or shale gas applications, our MRU's use chilled mediums to condense propane plus components from inlet gas streams. Our units are designed to maximize NGL recovery to meet dew point gas stream requirements.

Opero Energy offers a wide range of standard or customizable MRU's for different inlet gas temperatures, pressures, and compositions.

STANDARD SIZES & CAPACITIES

25 MMSCFD ■ 50 MMSCFD ■ 75 MMSCFD

FEATURES & BENEFITS

- Skid-mounted modules for rapid installation and commissioning
- Designed for maximum NGL recovery
- Stabilization and ethylene glycol dehydration complimentary units available



**PRE-ENGINEERED
FOR FAST-TRACK
DELIVERY**



**GUARANTEED
FOR OPTIMAL
PERFORMANCE**

NGL FRACTIONATION



Opero Energy's NGL fractionation designs and equipment are engineered to optimize product value for regional fractionation. From pre-engineered to custom-designed solutions, we offer a range of fractionators that separate produced NGLs into commercial propane, butane, LPG, and other natural gas condensates.

Fully modular and scalable, our standard plant sizes range from 2,500 BBL/D to 50,000 BBL/D fractionation capacity and offer midstream companies the opportunity to capitalize on fractionating and selling purity products, domestically or globally. Based on raw-mix feed conditions and final end product, Opero Energy offers multiple distillation columns to cover a range of capacities.

STANDARD SIZES & CAPACITIES

2,500 BBL/D to 50,000 BBL/D

FEATURES & BENEFITS

- Standard or custom designed solutions
- Modular and scalable
- Increased speed to market
- Increased product value



CONDENSATE STABILIZATION UNITS



Opero Energy's condensate stabilizer units are guaranteed for optimal field performance and customizability. The units are engineered for fast-track delivery and designed to meet stringent product specifications including, Reid Vapor Pressure (RVP) specifications, and color.

STANDARD SIZES & CAPACITIES

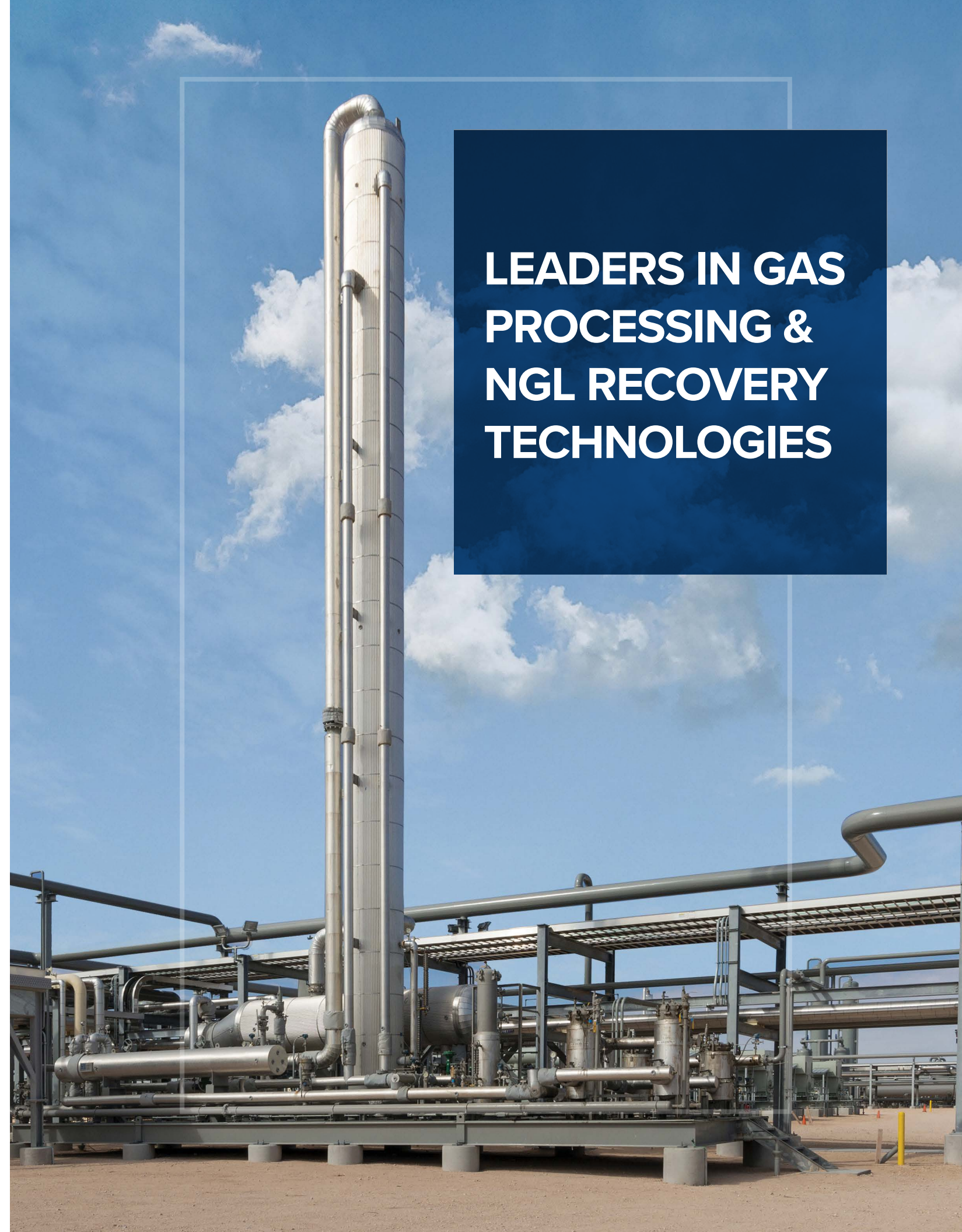
5,000 BPD ■ 10,000 BPD ■ 20,000 BPD ■ 25,000 BPD ■ 50,000 BPD

FEATURES & BENEFITS

- One (1) tower design: 8-12 PSIA RVP product
- Two (2) tower design: 8-12 PSIA RVP product and Y-grade liquid product meeting C1/C2 LV% of 1.5
- Stabilizer towers with stainless steel packing
- Stabilizer feed/bottoms exchanger
- Horizontal three phase flash tank
- Heat medium oil unit (HMO) or direct fired heater with expansion tank with BMS system



**LEADERS IN GAS
PROCESSING &
NGL RECOVERY
TECHNOLOGIES**





**INCREASED
SPEED TO MARKET**

AMINE TREATING SYSTEMS



Opero Energy's amine treating systems remove CO₂ and H₂S contaminants in order to meet pipeline or processing treatment specifications. Our amine treating systems can utilize both generic amine solutions and proprietary-formulated solvents to treat either gas or NGL streams to required levels. Opero Energy uses state-of-the-art engineering and design to provide optimal strategies for treating applications.

STANDARD SIZES & CAPACITIES

400 GPM ■ 600 GPM ■ 900 GPM ■ 1200 GPM

FEATURES & BENEFITS

- Amine units include MEA, DEA, DGA, MDEA, INEOS GAS/SPEC™, Dow UCARSOL™, BASF activated MDEA and Huntsman JEFFTREAT®
- Gas treating or NGL product treating
- 316L stainless steel equipment and piping in highly corrosive areas to ensure low maintenance and long life
- NACE MR0175 compliance as required
- All wetted carbon steel components stress relieved
- Deep CO₂ (<50 PPMV) and/or H₂S (4 PPMV) removal
- Selective H₂S removal in the presence of CO₂

ENGINEERING & FABRICATION SERVICES



Opero Energy provides expert engineering paired with world-class fabrication of modular oil and gas processing systems. We bring unmatched technical skill and market knowledge to every engagement and deliver end-to-end project execution—from design and engineering, fabrication and testing, to delivery and installation, commissioning and startup.

Opero Energy's fabrication facility is conveniently located in Houston, TX. With over 100,000 square feet, we bring state-of-the-art manufacturing processes and technologies to every project we deliver. All fabrication is conducted in a controlled environment that permits rigorous quality assurance and rapid delivery. We meticulously follow specifications, standards and guidelines to ensure all projects meet client requirements.

ENGINEERING SERVICES:

- Front End Engineering and Design (FEED)
- Multidisciplinary Engineering
 - Process & Treating Engineering
 - Civil Engineering
 - Mechanical & Structural Engineering
 - Electrical Engineering
 - Instrumentation, Automation Controls & Programming
- Procurement
- In-House Fabrication
- Installation & Start-Up
- Project Management
- Standardized & Custom Designs

FABRICATION SERVICES :

- Turnkey Modular Skid Assembly & Fabrication
- CS & SS Piping Fabrication, Assembly & Testing
- Electrical Layout & Design, Wiring, & Testing
- Mechanical Assembly
- Instrumentation & Valve Installation
- Insulation
- Painting
- CWI & AWS Certified Inspectors
- Structural Steel Fabrication
- Certified Welding
- FAT Testing
- Turnkey Logistics Support

A large, vertical industrial distillation column stands prominently in the center of the image, illuminated by warm lights at its base. The column is surrounded by a complex network of pipes, valves, and structural steel. In the background, other industrial structures and storage tanks are visible under a dark, twilight sky. The overall scene conveys a sense of advanced industrial manufacturing.

**ADVANCED
MANUFACTURING
CAPABILITIES**



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