

PROJECT PROFILE

Modular Amine Treatment for West Texas Sour Gas

CLIENT: Confidential midstream infrastructure company**LOCATION:** Winkler County, Texas

A large midstream infrastructure company contracted Opero Energy to address sour gas at its processing facility in Winkler County, Texas. A custom-designed **amine-treating** unit was required to remove contaminants such as CO₂ and H₂S and make the gas suitable for pipeline transport.

The Opero Energy team **engineered, designed, and fabricated** a complete modular gas-treating train and custom amine regeneration system, including efficient management of long-lead equipment to treat 850 MMscf/d of sour gas. The skid-mounted modular design integrated a 2,400-gal/min amine circulation system and accounted for a future expansion to accommodate up to 4,800-gal/min circulation. Our team was also engaged by the operator for on-site commissioning support for the equipment.

 Project overview

- › 2,400-gal/min amine circulation
- › 4,800-gal/min expansion potential
- › 850-MMscf/d gas treatment
- › 125-MMBtu/hr heating

 Scope of work

- › Engineering + design
- › Procurement
- › Fabrication
- › Commissioning support





"Our approach at Opero Energy focuses on quality and timely project execution, even when faced with challenges. In collaborating with the West Texas operator, we generated a custom solution to sweeten their sour gas and ensured successful operational transition with on-site commissioning support."

Thomas Guillot

Senior Project Manager
Opero Energy

