



**PROJECT PROFILE  
MARKHAM GAS-PROCESSING  
PLANT EXPANSION**



# PROJECT PROFILE

## MARKHAM GAS-PROCESSING PLANT EXPANSION



Client: **WILLIAMS** | Location: **MATAGORDA COUNTY, TEXAS**

Opero Energy was enlisted for [engineering](#) and equipment [fabrication](#) on a gas-processing plant expansion and new stabilizer addition project by [Williams](#), a leading natural gas infrastructure company. To boost its capacity from deepwater Gulf of Mexico, Williams sought to expand its [gas-processing plant in Markham, Texas](#). For the new stabilizer, the Opero Energy team designed and fabricated a new two-product, 10,000-bbl/d [modular stabilizer unit](#) according to Williams' composition, pressure, and temperature requirements. The team also engineered upgrades to optimize two existing 200-MMSCF/d [cryogenic gas plants](#) and two pipelines running from Station #24 to the Markham facility.

Our processing expertise and modular design approach saved time and cost on the new and upgraded equipment, enabling Williams to complete its plant expansion and begin transporting and processing natural gas from the Gulf of Mexico. Williams also deployed engineering, automation, and construction services by Opero Energy's parent company [Audubon](#)—leveraging the benefits of a full EPC-fabrication solution.



### Project Overview

- New two-product, 10,000-bbl/d stabilizer
- Upgraded 400-MMSCF/d cryogenic gas plant
- Upgraded 4- and 6-inch pipelines
- Hot oil heater system
- Lease automatic custody transfer (LACT) meter skids

### Scope of Work

- Engineering & design
- Fabrication & assembly
- Installation & construction
- Commissioning

“Our modular design-fabricate-install methodology expedites project schedules and shortens onsite construction duration. By implementing this strategy for the Markham plant expansion, Williams experienced not only the processing expertise of Opero Energy, but the full scale of Audubon modular EPC project execution—resulting in faster successful startup than traditional methods.”

—Talal El Awar, *President, Opero Energy*