

PROJECT PROFILE

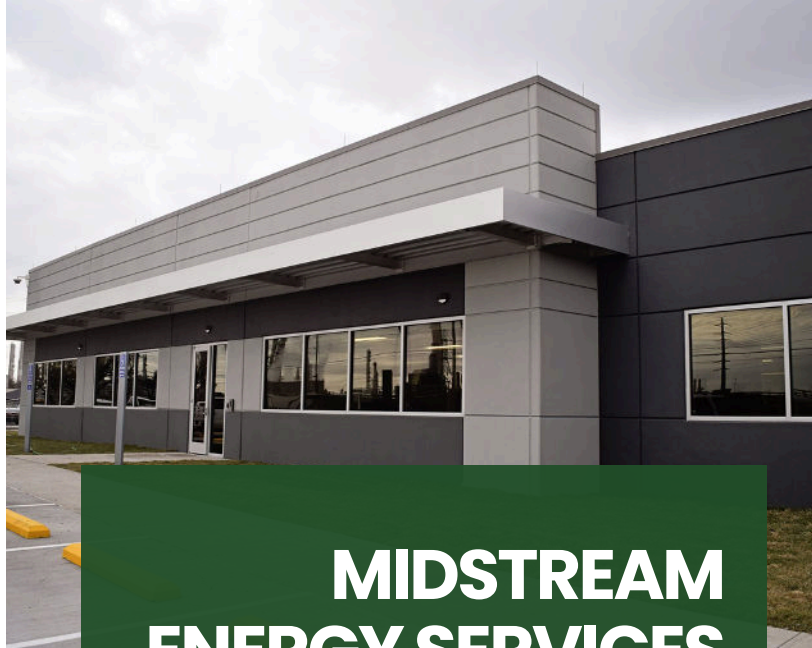


The new single-story, tilt-wall concrete building features a main laboratory, environmental/wet laboratory, sample receiving area, shipping and receiving area, conference room overlooking the plant, new lobby area, offices and cubicles, breakroom, locker rooms, and restrooms. The main laboratory is outfitted with snorkel hoods, gas chromatography (GC) benches with process piping, regulators, and valves, point-of-use high-pressure and low-pressure valves, stainless steel tubing for high-pressure gases, fume hoods for H₂S on a separate manifold system, 8' benchtop fume hoods, steel casework with 1" epoxy resin tops, and windows around the perimeter.

There is an equipment maintenance room, electrical service room (MCC), and IT room. The new Building Information System (BIS)/Building Automation System (BAS) reports information via wireless IT equipment that feeds back to the main plant.

The building's exterior features a large outdoor stainless steel fume hood for sample residue with overhead pipe manifold that feed to a flare stack designed by the Brewer team. The electrical service to the building was brought in from an existing substation and tunneled under a road to access the project site. The project also included the design and installation of a large fire water holding tank.

The new QA/QC operations laboratory supports refinery production and provides the required federal, state, and industry testing for all outgoing chemical product shipments via rail, truck, and pipeline. The building showcases the large, shared laboratories by providing visual connections between the visitor areas and the workspaces. The new facility provides an efficient layout and safe operating environment that meets the clients' growing business needs.



MIDSTREAM ENERGY SERVICES COMPANY

QA/QC Laboratory Building
Project Delivery Method: Design Build
New Construction
10-Acre Site; 14,430 square-foot lab building
Mont Belvieu, Texas

Cost: \$10.8 Million
Safety: 48,137-man-hours on the job with
ZERO recordable incidents.

PROJECT TEAM:

Architect: Precision Architecture
Lab Design Team: Brewer Construction
Services
Project Manager: Teresa Rocknic
Estimator: Travis Brewer
Superintendent: David Waller
Safety Officer: Nathan Brewer



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