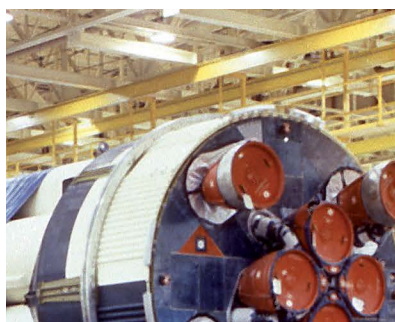
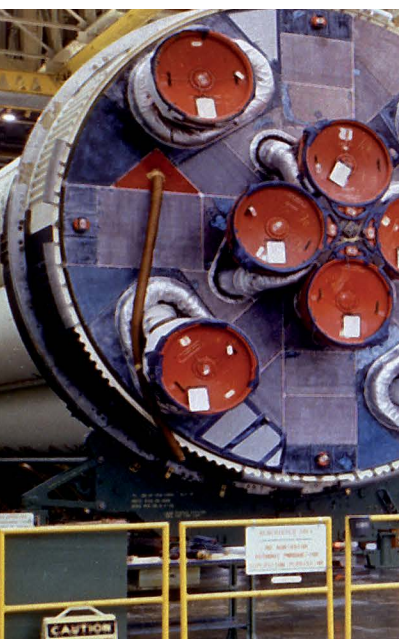


ENGINEERS

CONSULTANTS

DESIGNERS

SURVEYORS



GOVERNMENT

FULL DISCIPLINE CONSTRUCTION ENGINEERING



NOTABLE PROJECTS



AIRBUS MILITARY
MOBILE, AL

Airbus Military NA (previously CASA NA) needed a Maintenance Repair and Overhaul facility in North America to service their customers in the Western Hemisphere. The project included a 29,500 square foot hangar and office building. The work was completed as a design/build project with Dunn Building Company. This award winning structure came in on time and under budget. GSE provided all design services for the project including civil, structural, mechanical, electrical, life safety and fire protection.



EGLIN AIR FORCE BASE
OKALOOSA COUNTY, FL

EOP Processing and Storage facility consolidates operations, support, wing plans, emergency operations and command post facilities to direct functions associated with the Combat Search and Rescue Mission on Moody AFB and geographically separated units. The EOD Barracks building is a three-story structure totaling 174,000 square feet and was constructed as a design-build project. GSE's design included fire alarm and mass notification systems for the entire building. The design included a fully sprinkled building with a brick masonry exterior. Other features included: DoD Antiterrorism Standards, comprehensive interior design, landscaping, commissioning, and LEED Gold Certification.



SHAW AIR FORCE BASE
SUMTER COUNTY, NC

GSE provided engineering design and inspection services for all life safety and passive fire protection systems throughout the project. These services included underground water supply, mass notification system fire sprinkler, standpipe systems and seismic protection. Project included Retrofitting fire protection in existing active Air Force Command Areas providing Command Support for Air Force efforts in the Middle East. Due to High Security issues, GSE provided on-site daily oversight of changes necessitated by unknown variables.



DAPHNE CITY HALL
DAPHNE, AL

In collaboration with Gatlin Hudson Architects, GSE provided all structural engineering for the renovation of the existing 10,000 square foot Daphne City Hall and the 30,000 square foot addition. The complex architectural design of the building called for numerous structural systems including precast concrete, load bearing masonry, architectural structural steel, and exposed timber.



AL SUPERCOMPUTER
HUNTSVILLE, AL

GSE has provided mechanical, electrical, and fire protection design on multiple projects for Alabama Supercomputer Authority. Scope of work included full fire alarm design to providing, study to determine if existing Halon system should be replaced with a more eco-friendly agent, design and project management for HVAC upgrades, and bid preparation. Additionally, GSE was tasked with construction management and start-up of the fire system installation.

NOTABLE PROJECTS



COMMUNITY SAFE ROOM
OCEAN SPRINGS, MS

GSE provided full engineering services for the community and recreation center planned for construction at the Gay-Lemon Park in Ocean Springs, MS. The ten acre site currently houses soccer and baseball fields. Scope of work included structural, mechanical, electrical, civil, and fire protection design for the 18,000 square foot facility. The building was designed to withstand 200 mph winds in strict accordance with FEMA 361 in order to later be used as a storm shelter.



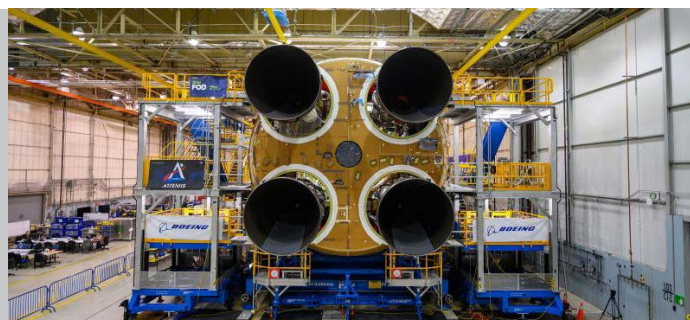
NAVFAC
PASCAGOULA, MS

This facility consists of housing and support facilities for service members to reside while ships are being outfitted at Ingalls Shipbuilding in Pascagoula. The Lakeside building, which obtained LEED Silver Certification, is a two-story structure totaling approximately 200,000 square feet on a 37 acre site and was constructed as a design-build project. The design included spaces for residence, exercise, food service, administration, and utility. The scope of work included a fully sprinkled building with a brick masonry exterior and a new asphaltic roof. Utilities included: domestic and fire water services, sanitary sewer connection, electrical and gas service, Mass Notification systems, storm drainage and water quality design. The building design included precautions for flooding, as Hurricane Katrina flooded the first floor of the facility in 2005.



TEMPORARY INMATE HOUSING
ORLEANS PARISH, LA

Existing facilities on the site, Templeman III and IV Jail, were demolished in 2007 due to damage sustained from Hurricane Katrina. GSE provided full engineering design for phase II in the new Correctional Complex Plan which is a 500 bed inmate housing facility built in New Orleans, LA funded by FEMA. The 40,000 square foot medium security facility consisted of four identical inmate buildings, a two-story visitation and staff building, and outside recreational areas. Scope of work included project management for civil, and survey coordination along with structural, fire protection, electrical, and mechanical engineering design.



NASA - AREA 47/48
NEW ORLEANS, LA

GSE designed modifications to Building 103, a 45,000 square foot facility in Area 47/48, to allow the transition from External Tank manufacturing to Space Launch Systems (SLS) manufacturing. Area 47/48 will be used for the final integration of SLS core stage sub-assemblies which will include liquid hydrogen tanks, engine sections, intertanks, liquid oxygen tanks, and forward skirts. In addition to final integration of the above listed sub-assemblies, Building 103 will also house the installation of engines, feedline and press lines, systems tunnels with applicable wiring, and final testing and systems checkout. GSE provided structural, mechanical, electrical and fire protection design services for the renovated facility.



COMFORT STATIONS
GULFPORT, MS

GSE partnered with Eley, Guild, Hardy Architects to provide engineering services for several elevated comfort and bus stations. With a total of four built along the Gulf Coast, the 2500 square foot structures were designed to withstand 200 mph winds and the high loads resulting from storm surge. Scope of work included electrical, mechanical, and plumbing design. The naturally-ventilated restrooms were designed to be hosed down for cleaning. Additional measures were taken to ensure rainwater penetration via absorption would not cause any issues down the road.

SERVICES

CIVIL

Site Plan Development/Master Planning
Paving, Grading & Drainage Design
Storm water Modeling
Site Utilities
Erosion Control/SWPPP
SWPPP Compliance Inspections
Roads/Transportation

SURVEY

Boundary
Construction Staking
Elevation Certificate
Roadway Layout
Topographic
Utilities
Crane Alignment
Control Surveying
As-Builts
Easements
ALTA Survey
3D Scanning
Laser Tracker Technology / Metrology

CONSTRUCTION SERVICES

Environmental Permitting
Construction Inspections
Cost Estimating
Program Management
Construction Management
Procurement

ELECTRICAL

Medium Voltage
Transformers
Switch Gears
Ductbank/Distribution
Substation Layout
Motors
Grounding
Low Voltage
Panel boards
MCC/Switch Boards
Lighting
Lightning Protection
Data/Telecom
Security
Access Control
PA Systems
Wireless Access Points
Fiber Optics
Photovoltaics
Power Studies
Arc Flash
Short Circuit
OCPD Coordination

SPECIALTY

Design-Build
BIM
LEED
Fast-Track
Site Selection

MECHANICAL

HVAC Systems
Plumbing
Ventilation Systems
Dust Collection
Medical Gas
Hazardous Exhaust Systems
Paint Booths
Fume Hoods
Smoke Evacuation
Stairwell Pressurization
Clean Room Design
Boiler System Design
Conveyors/Material Handling
Building Automation
Energy Modeling

BUILDING

General Arrangement
Interior Design
Life Safety

PROCESS/CHEMICAL

Piping
Instrumentation
PFD
P&ID
Equipment Specification
Pressure Vessels
Stress Analysis

STRUCTURAL

Deep Foundations
Equipment Foundations
Steel Framing
Load Bearing Masonry
Load Bearing Metal Stud
Precast and Tilt-Up
ICF (Insulated Concrete Forms)
Concrete Restoration
Forensic Analysis
Historic Preservation
Seismic Retrofit
FEMA/Tornado/Wind Resistant Design
Blast Design

FIRE PROTECTION

Active System
Sprinkler/Stand Pipe
Fire Alarm
Clean Agent
Foam
Passive System
Life Safety
Fire Ratings
Performance Based Solutions
Insurance/Underwriter Consultation
Fire and Egress Modeling
Smoke Management
Fire Pumps/Water Supply
Failure Analysis

ABOUT US



Gulf States Engineering, Inc. (GSE) is a multidiscipline engineering firm with a wide variety of experience in heavy industrial, commercial, and government projects. GSE is an employee-owned consulting firm founded in 1998 staffing 90 highly experienced engineers and designers, most of whom have been with the company for over 10 years. The firm's staff includes planners, multi-disciplinary engineers (Structural, Civil, Mechanical, Chemical, Electrical, and Fire Protection), surveyors, and program/construction managers. GSE is headquartered in Mobile, AL and has regional offices located in Gulfport, MS and Nashville, TN.

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GULFPORT

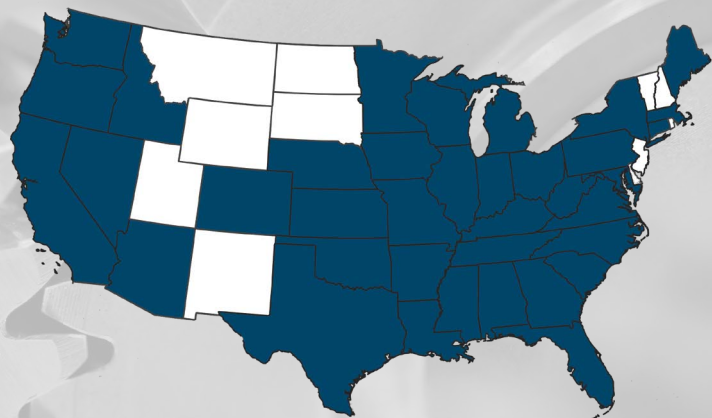
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LICENSED STATES

ALABAMA
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KANSAS
KENTUCKY
LOUISIANA
MAINE
MARYLAND
MASSACHUSETTS
MICHIGAN
MINNESOTA
MISSISSIPPI
MISSOURI
NEBRASKA
NEVADA
NEW YORK
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TEXAS
VIRGINIA
WASHINGTON
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