



Shelmark Engineering provides design services including civil, structural, and marine engineering services to coastal communities along the Texas Gulf Coast since 2000.

Our project development includes research, planning, evaluation, design, bid procurement and construction administration. We specialize in permitting processes with environmental constraints such as wetlands and critical habitats; high wind and flood design for storm events; floodplain mitigation; and challenging soil conditions for both private & public projects.

Our experience leads to a common sense approach that results in a successfully completed project within budget and on schedule.

CIVIL | MARINE | PLANNING | STRUCTURAL

Our Services

CIVIL - All facets of the project development including research, planning, evaluation, design, bid procurement and construction administration for private/public infrastructure projects.

- Site Assessments/Feasibility Studies
- Site Plans
- Storm Water Drainage Plans/ Detention Facilities/Excavation & Mitigation Plans
- Roads/Bridges/Parking Lot Designs
- Wastewater Collection Systems/Pump Stations/Low Pressure Sanitary Systems
- Water Distribution Systems/Utility Extensions
- Recreation & Municipal Facilities/Commercial Centers
- Residential Subdivisions
- Project Coordination for Building Permits
- Local & TXDOT Permitting
- SWQMS/SWPPP Plans

MARINE / COASTAL - Environmental constraints/critical habitats; permitting processes; high wind and flood loads factors for storm events; floodplain mitigation; and challenging soil conditions for projects for individuals to Ports.

- Bulkhead/Shoreline Protection Systems
- Mooring & Breasting Structures
- Pile Foundations & Platforms
- Marinas/Boardwalks/Piers/Boat Houses
- Dredging Plans/Maintenance Permits
- Waterfront Facility Design/Expansions
- Dock Assessments & Inspections
- Regulatory Permits - Municipal, State & Federal

STRUCTURAL - Analysis and design from footings to finite element analysis (FEA) for complex structural framing systems based on high wind conditions for commercial, industrial, petrochemical, public and private markets.

- Structural Assessment and Inspections/Code Reviews
- Residential & Commercial Building Foundations
- Storage Tank & Equipment Foundation
- Reinforced Concrete/Piling Foundations for Elevated Structures
- Concrete Tiltwall Buildings/Masonry Wall Design
- Steel and Timber Design and Analysis
- Pedestrian Walks and Bridges
- Finite Element Analysis & Numerical Modeling
- Windstorm Design and Inspections

Project Portfolio



~ **Marina Expansion at NAS**, Corpus Christi, Texas
Navy Installations Command (CNIC)
Contact: Commander David Munnell
Phone: (901) 874-6667



~ **BMW Vehicle Processing Center** - Galveston, Texas
Port of Galveston
Contact: Mr. Peter Simons
Phone: (409) 766-6113



~ **Sunset Cove Subdivision** - Galveston
Sunbird Development, L.P.
Contact: Mr. Ross Novelli, Jr.
Phone: (409) 737-9700



~ **Elevated Grain Tank Platform**
Sweetwater, Texas
John D. Mercer & Associates, Inc.
Contact: Mr. John D. Mercer
Phone: (361) 782-7121



~ **Silverleaf Seaside Resort - Buildings 18, 35, 36**
Infrastructure and Building
Silverleaf Resort, Inc , Galveston



~ **Century AC Showroom & Warehouse Complex**
Bearotti, LTD, League City
Contact: Mr. Jim Walker
Phone: (281) 451-7703



~ **Murdoch's Bathhouse** - Seawall Galveston
Pier Properties, Inc.
Contact: Mr. Jim Little
Phone: (409) 771-0323



~ **Evia Subdivision** - Galveston
Sullivan Interests, L.T.D.
Contact: William Sullivan - Principal
Phone: (713) 880-8411