



WIND

From wind to solar, power production to power distribution and transmission, T. Baker Smith leverages a suite of integrated services for our energy partners and their projects. TBS participates in energy projects, organizations, and events across the country to engage stakeholders and promote opportunities to enhance our communities and provide a better world for future generations.

WIND SOLUTIONS

ENVIRONMENTAL

+ Air Permitting/Compliance

- Minor Source Permitting and Exemption
- Compliance/Emission Reporting
- Agency Coordination

+ Water Quality & Permitting

- U.S. EPA, U.S. Coast Guard, LDEQ, MDEQ, and TCEQ Facility, Spill, and Response Plans
- Stormwater Pollution Prevention Plans
- Water/Wastewater Discharge Permits

+ Biological Surveys

- Wetland Delineation
- Protected Species Surveys & Consultation
- Oyster Resource Assessments
- Benthic Mapping
- Submerged Aquatic Vegetation Surveys
- Essential Fish Habitat Assessments

+ Agency Permitting

- USACE Sec. 10/404/408 Permitting
- LDNR Coastal Use Permitting
- Alternative Analysis/Needs Justification Preparation
- BOEM/BSEE Consultation & Permitting
- LSLO and TXGLO ROW Acquisition Authorization Consultation
- U.S. DOT Regulatory Assistance
- FAA Obstruction Permitting

+ NEPA and Due Diligence

- National Environmental Policy Act (NEPA) Consultation and Process Support
- Phase I & II Environmental Site Assessments and Investigations

SURVEYING

+ Marine Surveying

- Utility Pre-Lay & Route Surveys
- Utility Corridor Inspections
- High Resolution Multibeam Surveys
- Pre & Post Dredge Surveys
- Dock & Salvage Inspections
- Navigable Waterway Crossing Inspections
- Shallow Hazards Survey
- Pipeline Inspections
- Archaeological Resource Surveys
- Habitat and Seafloor Classification Surveys
- Near Shore/Beach Approach Hydrographic Surveys
- 3D Laser Scanning
- 3D Modeling
- Liftboat Sonar Surveys
- Structure Installation Positioning
- Positioning:
 - Derrick Barge
 - DP Vessel
 - ROV and DSV
 - Underwater Acoustic

+ Land Surveying

- GPS (Static, Differential, RTK)
- Construction Layout/Monitoring
- Air & Land Base LiDAR
- Dimensional Control Surveys
- Control Monumentation
- Civil/Topographic
- Subsurface Utility Engineering
- Ground Penetrating Radar
- Boundary/Alta
- Land Base Maps/Right of Way

ENGINEERING

+ Civil & Structural Engineering

- Flood Protection and Drainage
- Hydraulic and Hydrologic Studies
- Roads and Bridges
- Utilities
- Site Developments

+ Coastal Science Engineering & Design

- Shoreline Protection & Coastal Structures
- Dredging & BUDM for Marsh Restoration
- Hydrodynamic Monitoring
- Numerical Modeling

+ Facility Engineering

- Mechanical Engineering
- Front End Engineering Design (FEED)
- Horizontal Direction Drill Design (HDD)





Offshore Windfarm Structure Installation

T. Baker Smith, LLC (TBS) was awarded a survey contract for the installation of five four-pile structures at the Deepwater Wind Block Island location, located three miles off the coast of Block Island, RI in approximately 100 feet of water. TBS was tasked with developing a plan to meet the provided installation expectations and tolerances outlined in the scope of work (<1° on orientation and <1' on position). Meeting these tolerances was vital to ensure that each pile would encounter the smallest possible resistance from the sub-seabed boulders during the drive pile installation. TBS developed a multifaceted method for the windmill structure positioning and installation, integrating several in-house professional services—marine positioning, land surveying, and dimensional control. Our marine positioning group utilized DGPS and telemetry radios to position two derrick barges, one lift boat, and four tug boats involved in setting the structures within the very tight tolerances. Our professional land surveyors utilized traditional land survey techniques in conjunction with the positioning software to tie back the positions of the structure to a terrestrial landmark on Block Island to ensure specified tolerances were achieved. Finally, TBS' dimensional control group surveyed the levelness of each structure's flange deck, ensuring they were within the specified tolerances so that the windmill tower sections could later be installed by the windmill installation vessel, Brave Tern. Upon installation completion, TBS produced certified plats for each structure location depicting the final orientation and position.

Baryonyx Offshore Wind Energy Permitting

As part of the permit application process, a high-resolution, multi-sensor, geophysical investigation of potential cable routes extending from land into the Gulf of Mexico was completed. Surveys included bathymetry, high-resolution side scan sonar, magnetometer, and chirp sub-bottom profiler.

SAFETY

We expect professionalism, honesty, integrity, and a commitment to health, safety, and environment in everything we do. Our main goal is to ensure that when our associates come to work, whether it be in the field or in the office, they will return home safely – possibly tired, dirty, and hungry – with the peace of mind of being able to provide for their families in a safe environment.

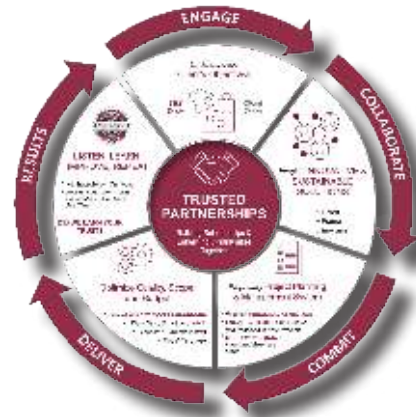
Safety is in our DNA. It is built into everything we do through our Safety Management System.

- Pre-Job Scoping
- Job Safety Analysis
- Tailgate Meetings
- Field Leadership
- Safety Observation Reports
- Hazard Assessments
- Manager Job Site Visits
- Field Safety Audits
- Training Opportunities
- Associate Wellness Program
- Safety Meetings
- Stop Work Authorization
- Core Values



PROVEN PROCESS

Our Proven Process outlines step-by-step the way in which TBS methodically provides services to our clients. With every project, we engage and collaborate with our clients on their vision; commit to bringing in our passionate, integrated project team; and deliver successful results, optimizing quality, scope, and budget with focused, personal attention. For over 100 years, this proven process has worked to enhance communities and build trusted relationships with our clients.



LOCATIONS

Lafayette, Louisiana.....	337.735.2800
Baton Rouge, Louisiana.....	225.744.2100
Thibodaux, Louisiana.....	985.446.7970
Covington, Louisiana.....	985.302.0730
Metairie, Louisiana.....	504.323.3460
Houston, Texas.....	281.240.0113
Corpus Christi, Texas.....	361.334.5719
Galveston, Texas.....	409.220.1669
Jackson, Mississippi.....	985.868.1050

CORPORATE HEADQUARTERS

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Scan for more information

