

FACILITY ENGINEERING

A CENTURY OF SOLUTIONS



In over a century of working in the industry, we've learned that whether it be a plant, refinery, terminal, compressor or pump station, or offshore platform, it is a **facility**, and **facility engineering** is consistent among markets. T. Baker Smith offers a team of engineers and project managers with extensive experience in the transportation, storage, and processing of natural gas, crude, NGLs, refined products, and other fluids in facilities. You tell us what your product is and what you need it to be—we do the rest.



FACILITY ENGINEERING SERVICES:

- Project Management
- Front End Engineering Design (FEED)
- AFE Development
- Procurement
- Detailed Engineering Design (all disciplines)
- Pipe Stress Analysis
- Piping Network Hydraulic Studies

- Pipeline & Associated support facilities Design/Remediation
- Equipment & Vessel Design
- Relief System Design/Validation
- Tank Farm/Storage/Loading Facilities
- Fire Protection Design
- Management of Change/HAZID Facilitation
- Construction Management/Support

DESIGN/DRAFTING SERVICES:

- AutoCad 2D
- Process Flow Diagrams (PFDs)
- Mechanical Flow Diagrams (MFDs)
- Equipment Layouts
- Area Classification
- Safe Charts
- Piping and Instrumentation Diagrams (P&IDs)
- Autodesk Plant Suite 3D Modeling
- Plans, Section and Detail Drawings
- Isometric Drawings
- As-Built Drawings

ENGINEERING SOFTWARE:

- Caesar II – Pipe Stress Analysis
- Pipe-Flo – Hydraulics & Equipment Sizing
- PV Elite – Vessels
- Staad-Pro – Structural Frame Analysis

Planning | Environmental | Surveying | Engineering | GIS/Mapping

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CONTACT US



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MARKET SECTORS:

Public Works
Oil & Gas Exploration and Production
Pipeline
Industrial Infrastructure
Land Development

PRACTICE AREAS:

Planning
Environmental
Surveying
Engineering
Program/Project/Construction Management
Mapping/GIS
3D Modeling

BENCH STRENGTH: 250+ professionals and support staff

Planners	Near/On Shore Surveyors
Civil Engineers	Offshore Surveyors
Structural Engineers	Project Managers
Coastal Engineers	Project Technicians
Environmental Engineers	Project Controllers/Assistants
Mechanical Engineers	CADD Technicians
Hydrologic Modelers	3D Modelers
Environmental Compliance Specialists	GIS Technicians
Oyster Biologists	Application Developers
Biologist/Wetland Delineators	HSE Professional
Professional Land Surveyors	Administrative Support

IN-HOUSE RESOURCES:

30 Standard 3 Man Land/Near Shore Survey Crews
20 Marine Survey Vessels and Barges
Offshore Geophysical Survey Vessel
4 Near Shore/River Hydrographic Survey Vessels
7 Airboats and 2 Marsh Buggies
20 All-Terrain Vehicles
20 GPS Total Stations
Laser Scanner, Multibeam, Digital Sonar
37 Gradiometers/Magnetometers
2 UAS Quadcopters
2 Fixed Wing Drones
1 Hexacopter with LiDAR Sensor
SUE Vacuum Truck