



oil & gas infrastructure

PIPELINES | FACILITIES | PROCESS ENGINEERING

Project Planning

- FEED Studies & Project Constructability Review
- Desktop Pipeline Route Analysis
- Site Layout Space Planning
- Pipeline Routing – Field Services
- Equipment Evaluation and Preliminary Sizing
- Corridor Studies
- Budgetary Construction Cost Analysis
- Client Marketing Collateral - Maps, Schedules, Budget Line Lists

System Mapping & GIS

- Master Meter System Mapping and Asset Collection
- Utility & System Mapping and GIS Locating
- Class Location & Rolling Mile Studies
- HCA (High Consequence Area) Analysis
- MCA (Moderate Consequence Area) Analysis

Environmental Services

- Wetland & Stream Delineation
- Phase I Environmental Site Assessments
- Pennsylvania Natural Diversity Inventory (PNDI) Reports
- Abandoned and Orphaned Well Plugging
- Water & Brine Management

Permitting Services

- Erosion and Sediment Control
- U.S. ACOE Sections 404 and 401 of the Clean Water Act
- DOT Permits
- HOPs & RUMAs
- Municipal Permits
- Dam Safety and Waterways Management
- Water Obstruction and Encroachment

Process Engineering Services

- PSV Studies and Capacity Review
- PSV Thrust Support Design
- Pipeline Hydraulics, Flow and Velocity Analysis
- Control Valve and Regulation Sizing
- Purge & Blowdown Planning
- Hydrostatic & Pneumatic Test Plans
- Fuel Gas System Design
- Material Selection, Stress Analysis, & Design Documentation

Facility Engineering Services

- Mechanical, Electrical, & Structural Engineering
- Commissioning & Start-up Support
- RNG Interconnect and Decanting Stations
- Interconnect & Custody Transfer Design
- Skidded Equipment and Fabrication Design
- Compression Station Layout and Design
- Gas Dehydration & Liquids Processing
- Pipeline Facilities, PIG Traps & Mainline Valves
- Electrical Power System Analysis
- Arc-Flash Hazard analysis
- Electrical Service Coordination
- Instrumentation and Controls
- Station Automation & Controls, SCADA
- Water Filtration/Separation & Storage Facilities

<continued on back>

“Entech has consistently delivered what we needed, the way we needed it, & by when we needed it. The business development cycle in the midstream space continues to become shorter & shorter, so speed & accuracy are key to being able to capture opportunity. The Entech team is amazing at helping us do that!”

Director, Business Development
NG Midstream Company, TX



last updated: May 16, 2022

— Pipeline & Civil Engineering Services —

- Pipeline Alignment Sheets – Plan & Profile
- Longwall Mine Subsidence Mitigation
- Erosion & Sediment Control Plans
- Access Road, Site, & Grading Plans
- Road & Stream Crossing Design
- Horizontal Directional Drilling (HDD) Design & Bores
- Landowner Exhibits
- Construction Lay Down Area & Access Design
- Pipeline Tie-In Planning & Design
- Well Pad Design

— System Integrity, Maintenance & Modernization

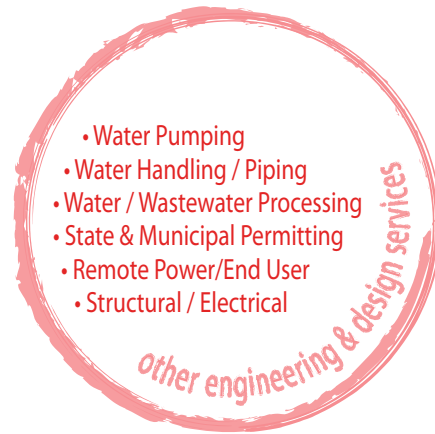
- Pipeline Modifications & Piggability Design
- Stopples / Bypass Design and Outage Planning
- RTU Replacement & Hazardous Area Review
- Flow Meter Upgrades and Retrofit
- HCA Pressure Test Design
- MAOP Review & De-Rate Analysis
- As-Built & Test Data Sheet Development
- Segment Replacement Design
- Integrity Management Program Development
- Asset & System Record Management Database
- Cathodic Protection (CP) Design Coordination

— Bidding/Construction Support Services —

- Bidding (IFB) & Construction (IFC) Drawings
- Pre-Bid Meeting & Site Walk-downs
- Route Centerline Staking for Stakeholder Consideration
- As-Built Survey & Weld Report
- E&S Inspections
- Compliance Monitoring
- Project Completion Book

— Construction Services —

- Design / Build – Entech Construction
- Construction Management & Observation
- Commissioning and Start-up
- Utility Inspection
- Environmental Inspection
- Safety Inspection
- Administration (DOT/Field Office/Contract)



Our purpose is to work with our clients to understand the root of their O&G needs, systems, and infrastructure to help them make more informed decisions. Our clients are our partners while compiling & executing a strategic plan to deliver the best solution and result for our project together.



ENTECH
ENGINEERING

be informed: be confident™

1.800.825.1372
entecheng.com