



**Leadership. Accountability. Integrity.**







# Project Management, Controls & Planning Services

## Project Management

Our experienced leadership and wide range of services allow us to meet and exceed client requirements for project deliverables, schedule deadlines and budgets. EnSiteUSA manages all phases of a project, including conceptual planning, design, construction and placement of the facility in service.

*Our project management capabilities include:*

- Project Definition
- Work Scope Development
- Project Execution Planning
- Safety Management
- Scheduling
- Budget Development
- Cost Control
- Quality Management
- Quality Assurance
- Contract Administration
- Construction Management
- Document Control

## Project Control

Project control is an integral part of EnSiteUSA's project management services. Project control functions include budget preparation for the entire scope of a given project, planning for the required versus available resources, and regular reporting of project progress in relation to the project plan. Within the project control area is our quality management function, which assures that all work completed goes through periodic audits and reports to meet SOP specifications for us and our clients.

*Our project control capabilities include:*

- Project Scheduling and Planning
- Budget and Cost Control
- Construction Data Collection
- Construction Progress Tracking
- Project Status Reports
- Resource Planning
- Contract Cost Tracking
- Contractor Schedule Tracking
- Change Orders
- Close Out Documentation

## Planning & Studies

EnSiteUSA offers planning and feasibility studies for every stage of a client's project. Drawing on decades of engineering, design and operating knowledge and experience, we help our clients develop their ideas and identify new opportunities for business.

*Our planning and study capabilities include:*

- Feasibility Studies
- Capital Cost Estimates
- Operational Cost Estimates
- Conceptual Design
- Flow Analysis
- GPS System Inventories
- Facility Audits and Evaluations
- Management Support
- Tariff and Hydraulic Studies
- Permitting Studies



*Our experienced leadership and wide range of services allows us to meet client requirements for project deliverables, schedules and budgets.*



# Engineering & Design / Drafting Services

## Engineering

The commitment to sound, professional engineering services is the foundation of our company. We maintain that commitment through compliance with all applicable regulations, industry standards and codes. Our professional engineers are licensed to operate nationwide.

*Our engineering capabilities include:*

- Feasibility Studies
- Flow Modeling
- Capital Cost Estimating
- Design Basis Formation
- Front End Engineering Design (FEED)
- Detailed Engineering
- Civil and Structural Engineering
- Mechanical and Piping Engineering
- Horizontal Directionally Drilled (HDD) Installations
- Technical Support of Permitting and Land Acquisition
- Electrical and Instrumentation Engineering
- Corrosion Control Design
- Process Hazards Assessment (PHA)
- FERC Filing Support
- Code Compliance Reporting and Auditing
- Standards and Specifications Development
- Commissioning

## Design & Drafting

Our commitment to accurate, complete and thorough design and drafting is equal to that of our engineering services. These constructible, safe and well-engineered designs minimize construction errors and cost overruns to benefit a project's return on capital invested.

*Our design and drafting capabilities include:*

- AutoCAD Platform
- Mechanical and Piping Design and Drafting
- Electrical Design and Drafting
- Alignment Sheets and Plats
- Bills of Material
- MicroStation Platform
- Civil and Structural
- Instrument and Controls
- Material Take-Off
- FERC Application Drawings

*EnSiteUSA maintains licenses for the following design/drafting platforms include:*

- AutoCAD
- AutoCAD Map and Civil 3D
- Raster Design
- CADWorx P&ID and Plant
- Blue Sky Development Skyline
- Microstation V8-CAD Software by Bentley



*Our commitment to sound, professional engineering services is the foundation of our company.*





## Survey

Using our staff of registered professional land surveyors (RPLS) and technical specialists, along with the latest GPS technology, EnSiteUSA offers a complete array of innovative, cost-effective surveying solutions across the U.S. We are committed to providing scalable solutions and project standards based on currently accepted industry guidelines to meet each client's specific needs. Our experienced survey staff and technicians are equipped to provide expertise to each project from preliminary route surveys, to facility site topographic location, to final as-built positioning based on real world coordinate systems.

### *Our survey capabilities include:*

- Control Surveys (Network, Project and Photogrammetry)
- Route Selection and Reconnaissance Surveys for Environmental Assessment
- Route Surveys
- Topographic Surveys
- Profile For Permit Application
- Subsurface Utility Engineering (SUE) Surveys
- Construction Staking and Facilities Layout
- As-built Surveys (pipe tally, weld mapping, in-ditch and post-construction data collection)
- Above Ground Marker (AGM) Surveys and Inline Inspection Support
- GIS Data Collection and Verification Surveys
- American Land Title Association (ALTA) Surveys
- Certified Plats
- Boundary Surveys and Right of Way Acquisitions and Exhibits

## Geographic Information Systems (GIS)

In today's world, Geographic Information System (GIS) technology is an integral part of pipeline project planning, design and construction. GIS technology, which connects "intelligent" data to geographic features, enables us to identify potential business development opportunities for our clients. It also allows us to quickly assess new pipeline routes and alternatives. Our GIS platform serves as a powerful tool to communicate visually with our clients and improve efficiencies in project execution. Additionally, with our GIS tools, we can seamlessly generate maps and drawings at any stage of a project.

### *Our GIS capabilities include:*

- Conceptual Route Design/Analysis
- Alignment Sheet Generation
- Route Maps
- Digital Delivery of Projects
- System Analysis
- System Mapping
- Data Quality Control
- Secure Web-Based Project Viewing
- GPS Field Data to Database Integration
- Data Dictionary Development
- Right-of-Way Management
- Regulatory Requirements Reporting
- Data Extraction
- Public Safety Requirements Reporting
- Facilities Management
- FERC Exhibits
- Class Location Studies
- PHMSA Audit Support

*EnSiteUSA is a member of the Pipeline Open Data Standard (PODS) Organization and Geospatial Information and Technology Association (GITA).*

*Our in-house geographic information systems (GIS) and extensive experience with development, maintenance and expansion of GIS technology set us apart from our competitors.*





# Procurement & Material Control Services

## Procurement Services

EnSiteUSA provides a full range of procurement and material control services tailored to the specific needs of our clients and adhering to the highest ethical standards and strict confidentiality. Our staff works directly with project managers and engineering design personnel to ensure that all materials and equipment supplied to the client meet applicable codes, standards and specifications.

*Our procurement capabilities include:*


- Quantity Take-Offs
- Materials and Equipment Specifications
- Vendor Qualification
- Request For Quote (RFQ) Preparation
- Bid Solicitation
- Commercial and Technical Evaluation of Bids
- Terms and Conditions Preparation and Vendor Negotiation
- Transportation and Logistics
- Scheduling and Expediting
- Bar Coding

## Material Control Services

EnSiteUSA works closely with its clients to develop and implement material control strategies that address and meet client project requirements.

*Our material control capabilities include:*

- Preparation of Material Lists
- Commercial Evaluation of Bids
- Preparation of RFQ Documents
- Warehousing and Inventory Control
- Procurement Terms Negotiation
- Material Inspection
- Vendor Document Control
- Equipment and Material Certifications
- Material Expediting and Receiving



*EnSiteUSA provides a full range of procurement and material control services tailored to the specific needs of our clients.*





# Land & Right of Way Services

## Land and Right of Way Services

EnSiteUSA provides professional quality, value-added land and right-of-way services to our clients so their facilities are legally located to the satisfaction of all parties. Our comprehensive land services division is engaged in projects across the country.

*Our land and right of way services capabilities include:*

- Right of Way Feasibility Studies and Estimates
- Right of Way Project Management
- Data Tracking and Document Control
- Route Selection
- Researching Land Ownership
- Title Examination
- Due Diligence
- Survey Permitting
- Easement Negotiations and Acquisition
- Fee / Site Acquisition
- Gas Storage Acquisition
- Permit Acquisition
- Mineral Leasing and Acquisition
- Construction Support and Coordination
- Damage Negotiations and Settlements
- Market Analysis Surveys



*EnSiteUSA's comprehensive land services division  
is engaged in projects across the country.*





## Construction Management & Inspection

EnSiteUSA's construction management and inspection services are provided by EnSite Quality Control (EnSite QC), an affiliate of EnSiteUSA. Our nationwide team of construction management and inspection professionals have a thorough knowledge of industry codes, regulations and best practices, and are experienced in QA/QC and inspection of construction pipeline and facility projects across the United States. All inspection personnel conform to client-specific DOT Operator Qualification (OQ) requirements through OSHA, Veriforce, NCCER, MEA and other accredited OQ programs. EnSiteUSA complies with all DOT PHMSA drug and alcohol testing requirements and is a member of ISNetwork, which allows owners/operators to evaluate information pertaining to our company such as OQ and safety requirements.

### *Our construction management capabilities include:*

- Project Controls
- Construction Planning
- Scheduling
- Contract Administration
- Management of Change
- Cost Forecasting
- Participation in Bid Solicitation, Evaluation and Award Negotiation Support
- Certification and Commissioning
- DOT Document Management
- Supply Chain Management

### *Our craft inspection include:*

- Construction Manager
- Chief Inspector
- Welding (AWS-CWI & Non-CWI)
- Safety
- NACE Coating
- HDD
- Hydrotest
- Civil, Mechanical and Structural
- Electrical & Instrumentation
- Utility & General
- Materials Manager & Coordinator
- Office Manager & Office Clerk
- Environmental
- Constructability & Routing
- Commissioning & Decommissioning
- Pipe/Coating Mill
- Vendor Surveillance
- As-Built
- API Tank

### *Our pipeline integrity capabilities include:*

- Records Assessment
- High Consequence Area Analysis and Determination
- Program Tool and Cost Assessment
- Cleaning, Inspection and Repair Strategy Development
- Procedures for Pipeline Cleaning, Tool Run, Nitrogen Purge, Hydro-test and Commissioning
- Field Supervision
- B31G Analysis of Anomalies with Proprietary Reports
- Integrity Management PI (IMP) for Gas & Liquid Systems

*EnSiteUSA offers a wide range of construction management and inspection services, performed by experienced and highly qualified professionals.*





# System Operations & Maintenance Services

## Operations & Maintenance

EnSiteUSA provides operating and maintenance assistance ranging from start up through contract operations.

*Our operations and maintenance capabilities include:*

- Start-up Assistance
- Data Books
- Cathodic Protection
- Compliance Certification
- Operation and Maintenance Manuals
- Engineering Support
- Contact Operations
- Operator Training

## Facility Proving & Testing

EnSiteUSA provides a wide range of facility proving and testing services. Our personnel are fully supported by our engineering design staff.

*Our facility proving and testing capabilities include:*

- Calibration
- Regulator Testing and Repair
- Combustible Gas Detection Calibration
- Meter Compliance and Load Survey
- Gas Loss Survey
- Meter Proving
- Relief Valve Testing
- Regulator Station Compliance Survey
- Pressure Transducer Testing
- Electronic Volume Corrector Testing

## Welding Manuals & Certification

EnSiteUSA provides welding manuals with qualified procedures as well as testing and certification of company and contract welders.

*Our welding and certification capabilities include:*

- Welding Consulting
- Testing and Qualification of Company and Contract Welders
- Welding Manuals with Qualified Procedures for:
  - Mid-stream Facilities
  - Transmission Facilities
  - Distribution Facilities
  - Liquid Facilities



*We provide operating and maintenance assistance ranging from start up through contract operations.*



# EnSiteUSA Services

*Immediate and responsive services for transmission, midstream and distribution companies.*

## Quality & Safety

Having successfully worked nearly two million consecutive hours injury free, EnSiteUSA has been recognized by the energy industry and the Governor's Safety Council as being dedicated to providing safe and healthful operations.

## Construction Management & Inspection

EnSiteUSA's construction management and inspection services are provided by EnSite Quality Control (EnSiteQC), an affiliate of EnSiteUSA. All inspection personnel conform to client specific DOT Operator Qualification (OQ) requirements through OSHA, Veriforce, NCCER, MEA and other accredited OQ programs. EnSiteUSA complies with all DOT PHMSA drug and alcohol testing requirements and is a member of ISNetworld.

## Land & Right of Way Services

EnSiteUSA provides professional-quality, value-added land and right of way services to our clients so their facilities are legally located to the satisfaction of all parties. We are engaged in projects across the United States, providing services for all stages of pipeline projects, including feasibility studies, site negotiations and acquisitions, construction support and damage negotiations.

## Procurement & Material Control Services

EnSiteUSA provides a full range of procurement and material control services tailored to the specific needs of our clients.

## Project Management, Controls & Planning Services

EnSiteUSA's project management services include conceptual planning, design, construction and placement of the facility in service.

Our project control functions include budget preparation for the entire scope of a given project, planning for the required versus available resources, and regular reporting of project progress in relation to the project plan.

We also offer planning and feasibility studies for every stage of a project.

## Engineering & Design / Drafting Services


We maintain our commitment to sound, professional engineering services through compliance with all applicable regulations, industry standards and codes. Our accurate, complete and thorough design and drafting services minimize construction errors and cost overruns to benefit a project's bottom line.

## Survey & GIS Services

Using our staff of registered professional land surveyors (RPLS) and technical specialists, along with the latest GPS technology, EnSiteUSA offers a complete array of innovative, cost-effective surveying solutions across the U.S. Our extensive experience with the development, maintenance and expansion of geographic information systems (GIS) sets us apart from our competitors.

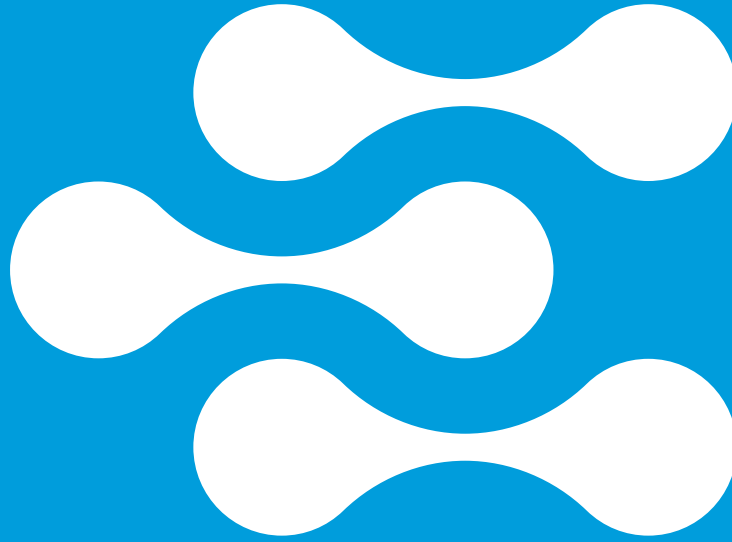
## System Operations & Maintenance Services

EnSiteUSA provides system operations assistance and maintenance services from start up through contract operations.



*EnSiteUSA provides a full suite of pipeline management services, from conceptual planning to start-up and operations.*





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