



Comprehensive and Dependable
Engineering, Consulting, and
Automation Services

entrustsol.com

Excellence... from start to finish

Since 2002, businesses, people, and communities have entrusted the employees of ENTRUST Solutions Group with their most valuable assets. Our **engineering**, **consulting**, and **environmental services** restore and expand infrastructures; enhance and streamline systems; and identify and record key assets for clients including **pipeline operators**, **utilities**, and **industrial companies**. As one of the fastest growing engineering firms in the country, the opportunities are endless for employees who are passionate, curious, and client-focused.

Our growth, from a single Midwest office to a national network of locations, has only strengthened our commitment to serve with excellence... from start to finish.

The **EN** Difference:



SAFETY

Relentless commitment to safety for our employees, our vendors, our clients, and our communities.



QUALITY

Strict quality control procedures; proven methodologies; impeccable resources; continuous communication with client and project team members.



EXPERTISE

Strong focus on the energy industry; nationally recognized subject matter experts; highly-experienced, industry-trained core staff.



VALUE

Complete projects on-time and on-budget with low risk to client.



LOCATION

Nationwide offices close to key energy sectors and critical industry hubs.



DIVERSITY

ENTRUST Solutions Group utilizes diversity contractors and has implemented a comprehensive Disadvantaged Business Enterprise (DBE) initiative across our services.





Our Expertise:



NATURAL GAS TRANSMISSION

ENTRUST Solutions Group represents a unique market position—offering both transmission and distribution services for natural gas. We have intimate knowledge of all aspects of gas pipelines, gas compression, meter/regulator facilities, and storage & production facilities. With experience ranging from large market, expansion-driven, long-haul projects, to maintenance-focused integrity projects, our experts are well versed in federal, state, and local regulations to help ensure the compliance of your pipelines and facilities. We are experienced in the requirements of FERC 7c filings and offer expertise in designing and managing In-Line Inspections (ILI) as well as 3D scanning, modeling, and 3D designs.



NATURAL GAS DISTRIBUTION

Since our inception, ENTRUST Solutions Group has been designing, upgrading, and maintaining natural gas distribution system assets. With an aging infrastructure and changing regulatory environment, many pipeline operators are seeking a comprehensive approach to infrastructure management. Our team acts as an extension of the engineering and operating teams of our customers, offering a complete range of gas distribution services including main replacement, public improvement projects, system improvement projects, and field services. ENTRUST answers our client needs from total program development through individual segment design. Our field services team members represent a range of skills from GPS technicians to chief inspectors and Certified Weld Inspectors. These inspectors have experience on a variety of projects including copper service replacement, plastic main installation, high pressure steel pipeline replacement, and facility inspection.

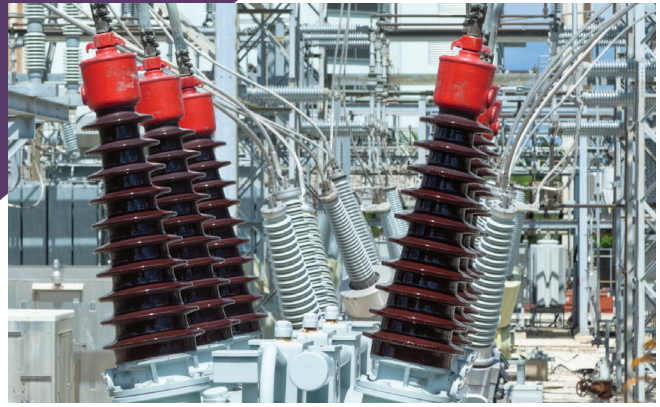


Safety and **sustainability** are the hallmarks of our work product.



OIL & LIQUIDS

Crude oil, condensates, refined products, biofuels, NGLs, CO₂, and LNG facility customers have long been served by the ENTRUST Solutions Group team. We offer an in-depth knowledge of codes, specifications, and best practices relating to oil & liquids production, storage, and transportation. Our services span initial project development and FEED studies, to detailed design and construction support. Whether supporting existing operations with modification of facilities or designing grassroots facilities, we provide system planning, engineering design, program development, corrosion control & cathodic protection, and system risk assessment services to ensure safe and reliable energy deliverability.



POWER

We specialize in providing consulting, design, inspection, and support services to help deliver safe and reliable solutions for electric utility industry clients. With experience in development, design, and execution of power generation, transmission, substation, distribution, and telecommunication projects, our team of consultants, engineers, and designers can help take infrastructure modernization efforts from concept to reality. Specifically, we can address power system studies, conceptual engineering evaluations, project management, detailed design, and construction/outage management services for clients ranging from the point of generation to the customer meter. Our recognized industry leaders assist utilities, developers, IPPs, and other associated parties in better understanding changing industry regulations and how these changes impact their business. Many of our experts sit on the committees and boards that are driving these changes at NERC, FERC, and other critical organizations.





AUTOMATION

ENTRUST Solutions Group's CSIA-certified Automation team is ranked as one of the largest system integrators in the United States. We are a designated solutions partner for Rockwell Automation and an endorsed systems integrator for Schneider Electric, AVEVA, Inductive Automation, and Siemens. Our team is also certified through GE Aero to provide Balance of Plant automation solutions. We offer a comprehensive range of automation services from feasibility studies to detailed design and software development through commissioning and start-up. We are a trusted partner and provider of dependable and reliable automation solutions to clients in the pipeline, refining, manufacturing, and transportation industries.

*Our focus on **quality** is supported by strict quality control procedures based on proven methodologies.*



PROCESS INDUSTRIES

Our scope of services include chemical processing facilities, steel producers, as well as retailers and commercial facilities with gas, diesel, and CNG fueling facilities. ENTRUST Solutions Group works with operators performing process design, plant expansions, de-bottlenecking initiatives, as well as implementing capital programs, maintenance projects, and environmental programs. We have successfully addressed many operational engineering aspects unique to process industries, offering particular expertise in piping system design services. From surveying, 3D scanning, and pipe stress analyses to hydraulic calculations and modeling, we start from the ground up to design a system that truly suits our clients' needs. Our services encompass a wide range of key design activities including the development of conceptual flow diagrams, the creation of highly detailed isometric drawings, and the creation of as-built documentation.





REFINING

ENTRUST Solutions Group has developed a reputation for leadership in the area of petroleum refining process design, capital programs implementation, turnarounds, maintenance projects, operations, and environmental systems. We have experience in all facets of petroleum refining including: barge loading & offloading, tankage, containment, plant infrastructure, electrical power systems, processing units, truck/rail loading & offloading systems, flare systems, corrosion control & cathodic protection, and PSM program development.

INTEGRITY & CORROSION

ENTRUST Solutions Group represents one of the largest engineering and consulting teams dedicated to corrosion, integrity management, and metallurgy in the United States.

Our experts are at the forefront of developing practices and guidance to help ensure that assets are operated and maintained according to the latest codes, regulations, and industry standards. Our code compliance experts spend considerable time commenting on, reviewing, and understanding both proposed and approved industry regulations. We also offer consulting services on a range of subjects from control room management to pipeline safety audits



PROCESS SAFETY MANAGEMENT

ENTRUST Solutions Group's team of Process Safety Management (PSM) experts can help protect your personnel, the public, and your property from the potential dangers of operating hazardous industrial processes. PSM systems can be effective in enhancing the safety of your operation, increasing productivity, and improving quality. Our experts serve to evaluate and improve your existing PSM program to ensure safe operation and compliance with Process Safety Management regulations.



and from material selection to welding consulting. Our highly trained team includes registered Professional Engineers (PE) and NACE Institute-certified professionals who are focused on corrosion control and cathodic protection of pipeline assets.

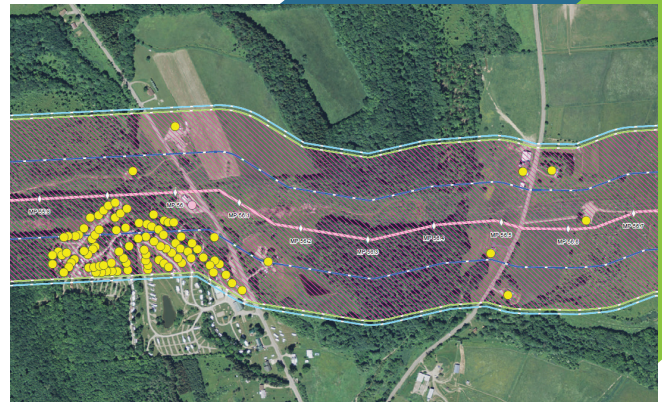




ENVIRONMENTAL

Our environmental services include regulatory compliance, ecosystem management, assessment, and land development. With decades of operational and project experience, our environmental professionals provide expertise in engineering, hydrogeology, environmental science, and landscape architecture. We assist clients with planning and permitting, reporting requirements, ecological restoration, natural resources, wetland delineation, erosion and sediment control, due diligence, and facility inspections. In addition, we support new developments or plant expansions with land clearance and site preparation services. We also support industrial facilities with water and wastewater studies, and provide NEPA studies, including corridor assessments and public involvement, for pipeline companies.

As one of the fastest growing engineering firms in the US, ENTRUST Solutions Group is expanding our service footprint and portfolio to meet the expanding needs of our customers.



GEOSPATIAL ENGINEERING (GIS) & DATA ANALYTICS

Using the latest and most advanced technologies, ENTRUST Solutions Group provides a full portfolio of geospatial solutions to aid clients in digitally locating, identifying, analyzing, and interactively connecting the data relating to assets. Our experts use a variety of processes and tools to collect, transform, analyze, and report various data formats for use in design, engineering, integrity management, and other applications. Our team also inputs new data and migrates existing data into a wide array of GIS, CAD, and mapping platforms.





Expertise:

- Utility Programs
- Natural Gas Pipelines
- Renewables
- Data Solutions
- Integrity, Consulting & Regulatory
- Corrosion, Metallurgy & Field Services
- PSMS
- Automation
- Industrial & Manufacturing
- Communications & Telecom
- Power

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