



**LONE STAR**  
INSTRUMENTATION & ELECTRIC  
**CORPORATION**

*“Quality built by Experience”*



## **ABOUT LONESTAR**

Lone Star is a leading single source instrumentation and electric construction contractor with the experience to offer an innovative approach to projects of all sizes. Our one-source system set us apart from other companies and allows us to work with a variety of heavy industrial clients in a variety of industries including:

- ★ Oil and Gas
- ★ Gas Processing and Treatment
- ★ Refining
- ★ Petroleum and Petrochemicals
- ★ Mining
- ★ Manufacturing
- ★ Power Plants
- ★ Municipal

Licensed for electrical work in Texas and New Mexico, we're dedicated to providing you the best in people and performance.

*Quality Work Demands Quality People*

## INSTRUMENTATION

When it comes to instrumentation, we have you covered. Our technicians have spent decades in the field and various shops installing all types of tubing from stainless steel to copper. Specializing in industrial process controls and instrumentation, we have the experience to deliver quality installations that are right the first time.



The following are some of the instrumentation services we offer:

- ★ Fabrication and installation of tube trays
- ★ Mounting and installation of process instruments
- ★ Layout and installation of screw pipe for instrument air
- ★ Fabrication and installation of instrument stands and supports
- ★ Process tubing including pre-insulated and traced multi-tube bundles
- ★ Layout and installation of various sizes of tubing (stainless steel and copper)

## ELECTRIC

With extensive experience installing, maintaining, repairing and new construction of electrical systems for the region's most demanding industries, there is no electrical project or service outside our capabilities. The following are some of the electrical services we offer:



- ★ Conduit and cable tray installation
- ★ UPS systems installation and maintenance
- ★ High, medium and low voltage terminations
- ★ Grounding system installation and maintenance
- ★ Motor and controls installation and troubleshooting
- ★ Installation and troubleshooting of high, medium and low voltage power and controls

## AUTOMATION

Our team has over 30 years of experience as both programmers and operators. Our in-the-field experience means your job will be done right the first time. While many claim that they can do automation and controls, our qualified, experienced employees are experts in the field. The following are some of the automation services we offer:



- ★ Human-Machine Interface (HMI) development
- ★ Distributed Control System (DCS) programming
- ★ Programmable Logic Controller (PLC) programming
- ★ Start-up and commissioning of all types of control systems
- ★ Supervisory Control and Data Acquisition (SCADA) programming
- ★ Process instrument calibration of all pneumatic and electronic instruments

## CONTROLS

Lone Star is a single source contractor for all your automation and control needs. We know that no two projects are identical. Our state-of-the-art full-service panel shop allows us to design and program every panel to our customer's exact specifications. Some of the control products we offer include:



- ★ Motor control panels
- ★ Complete turnkey SCADA systems
- ★ Remote alarm and telemetry panels
- ★ Contactor panels (heat trace and lighting)
- ★ Programmable Logic Controller (PLC) panels
- ★ Pneumatic control panels and instrument racks

## POWERLINE

Whether it's building lines for new locations or restoring power after a storm, Lone Star's well-qualified team has you covered. Led by a manager with over 40 years of powerline experience, our relentless team masterfully tackles any challenge. We have earned a reputation for getting the job done right and on time. These are some of the powerline services we offer:



- ★ Re-conductor projects
- ★ Transformer installation and repair
- ★ Utility pole installation and removal
- ★ Powerline maintenance and construction
- ★ Overhead distribution line, 5KV to 34.5KV
- ★ Troubleshooting for primary and secondary systems

## DISTRIBUTION

We know that when power is down, your crew is down. We're proud of meeting start and finish dates, and our reputation and results have earned the trust of small independent oil companies, co-ops and major corporations. Some of the distribution services we offer include:



- ★ Underground excavation services
- ★ Fault location splicing and terminating
- ★ Transformer and switchgear installation
- ★ Primary and secondary service cable installation
- ★ Underground duct bank design and construction
- ★ Underground distribution systems, 5KV to 34.5KV



## ENGINEERING

Lone Star's engineering and design capabilities play a crucial role in all our services. Our highly-trained engineers bring over 40 years of experience to every job. From instrumentation to programming to construction, our engineers work as a team with every other department. Trust, mutual respect and a history of outstanding performance have allowed our engineers to build a strong working relationship with fellow employees and our clients. The following are some of the engineering services we offer:



- ★ Motor start analysis
- ★ Load flow/power factor correction
- ★ Automation, control and instrumentation
- ★ Hazardous and Non-Hazardous area classification
- ★ Coordination studies, fault analysis and arc flash studies
- ★ AC and DC power generation, transmission and distribution

## DESIGN

Whether you're in need of as-built drawings or plans to completion on a turnkey project, our engineers have the expertise necessary to ensure your project is designed correctly the first time. Some of the design services we offer include:



- ★ Design build
- ★ Relay protection
- ★ One line diagrams
- ★ Emergency and backup systems
- ★ Interconnection point to point wiring diagrams
- ★ Planning and inception through complete design

## **SAFETY**

Lone Star prides itself on its exceptional safety record. Our 365-Zero safety program has set the standard that Lone Star is to have zero incidents 365 days of the year. We are a proactive company and safety is our distinguishing quality. We strive for our safety to stand out in numerous ways including:

- ★ Our supervisors exclusively drive red trucks so that they are easily identified at any given job site.
- ★ Each Lone Star supervisor has a set crew of experienced team members chosen for their knowledge, skill, and safety records.
- ★ Our field safety coordinator proactively conducts inspections and site audits on a constant basis and dedicates 100% of their time to safety in the field.
- ★ We continuously grow our safety features based upon best practices and will do whatever it takes to meet our clients' safety demands.

**It's not a goal...It's the expectation.**

**365** **ZERO**  
DAYS INCIDENTS

The logo features the words "LONE STAR" in a large, white, serif font, with a white five-pointed star positioned between the two words. Below this, the words "INSTRUMENTATION & ELECTRIC CORPORATION" are written in a smaller, white, sans-serif font. The entire logo is set against a dark red background.

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