

B L O C
DESIGN BUILD



TECL#26335

BRIDGING THE LINES OF COMMUNICATION.

BLOC Design-Build, LLC is a mechanical and electrical design-build firm that specializes in providing a variety of built-to-suit services including: wiring systems, programmable instruments, controllers and control panels.

Located in the heart of Longview, Texas, BLOC is a leading supplier of automated technology solutions for municipal water and wastewater entities, industrial manufacturers and oil and gas producers throughout Texas and parts of Louisiana. We can design, construct, program and install Supervisory Control and Data Acquisition (SCADA) systems and programmable logic controllers (PLC) to suit your needs. Our office also includes a UL 508A-listed control panel shop.

At BLOC, our job is to make your job easier. Our experience with the design-build delivery method allows us to simplify your workload by combining engineers, architects, and other professionals under one agreement – with one contact – to deliver complete, well thought-out solutions. BLOC's founding principles are keen workmanship and high-quality service and materials.

We understand what it costs you every second your systems are down. When we design, manufacture, or repair your product, we aim to provide a lasting solution that will eliminate or minimize downtime. In fact, all of BLOC's employees are on-call to meet your needs 24 hours a day, 7 days a week. We can troubleshoot over the phone, by email or remote connection to your equipment.



ELECTRICAL CONTRACTING

Two words best describe BLOC's electrical contracting services:

QUALITY WORKMANSHIP.

Our electrical contracting services include the design, installation, maintenance and troubleshooting of electrical wiring systems to power heavy and light commercial facilities in addition to industrial facilities and municipal lighting systems.

BLOC has a team of electricians devoted to making sure our systems look good and work better. BLOC's electrical systems work the first time. Every system we design is practical, safe and organized. We use high quality materials like PVC coated galvanized rigid conduit and labeled, color-coded wiring that promote quick and easy access, and minimal downtime.



BLOC retrofit the lighting system for an entire building. The new lighting scheme is much more efficient. It uses about a tenth of the electricity the old system used.



— BLOC SALES AND BUSINESS DEVELOPMENT

INSTRUMENTATION & CONTROLS

Smart companies are constantly searching for ways to do their jobs more efficiently. BLOC's instrumentation and controls services maximize productivity and minimize the likelihood of human error.

We custom-build and program Supervisory Control and Data Acquisition (SCADA) systems. These SCADA systems give you the ability to gather and analyze real-time information on-site, or from remote locations. This data can be viewed and controlled with a graphic, user-friendly human machine interface (HMI). BLOC also uses off-the-shelf programmable logic controllers (PLC) and programs them to suit your needs. PLC's can operate a wide range of motor-controlled sites more effectively and economically.

WATER AND WASTEWATER

We provide a host of custom-designed instrumentation solutions for water and wastewater systems, including sensors that monitor tank levels, flow meters that measure flow rates, and automated pump operations. We can program your water and wastewater system to auto-correct, and perform sequential or logical sequences to process more wastewater and generate more useable water with less manpower.

INDUSTRIAL/MANUFACTURING

BLOC employs advanced automated control systems to monitor and manage complex manufacturing facilities including emergency stops, conveyor belt position indicators and conveyor speed and direction controls on site, or from remote locations. We have also designed, constructed and/or programmed machines to perform various assembly-line activities, like moving a product from one conveyor belt to another. Automated control systems like these remove the need to retool many manufacturing plant systems – saving precious time and resources.

OIL AND GAS

Process automation for the oil and gas industry allows remote monitoring of systems to effortlessly determine optimum production levels. Sensors placed around equipment collect a variety of data, including temperature, pressure and flow; and allow for automatic and real-time adjustments from on-site or remote locations.



UL508A PANEL SHOP

Electrical control panels are the brains of the operation. Because they are the coordinating center of functionality for your electrical system, it is imperative they perform to the highest standard.

BLOC maintains and operates a control panel shop from which we design and build custom, UL-listed control panels that regulate electrical devices and activities. We design, install and maintain panels for clients who desire solutions for their process automation needs. The Underwriters Laboratories Inc. (UL) is a global independent safety science company that is the primary certification agency for electrical components used in industrial control panel equipment. It certifies, validates, tests, inspects and audits products for initial and ongoing compliance.

All BLOC panels are developed in strict compliance with UL standards.

Our control panels power activities like lighting, natural gas compression, electrical wire extraction, spooling, and various electrical tools and machinery. They are built with quality materials like stainless steel enclosures for reliable, long-lasting power. Our panels are arranged neatly using wire duct, labels and color-coded wires. BLOC control panels are delivered with a corresponding set of design plans that facilitate easy access, comprehension and maintenance.



A client called me recently who was having an issue with his control panel. I was able to tell him how to fix it over the phone, simply by knowing the color of the wire. I had them back up-and-running in no time.



— BLOC INSTRUMENTATION & CONTROLS

THE BLOC EDGE

ELECTRICAL CONTRACTING

Sometimes less *is* more.

“BLOC retrofit the lighting system for an entire building. The new lighting scheme is much more efficient. It uses about a tenth of the electricity the old system used.”

— *BLOC Sales and Business Development*

INSTRUMENTATION & CONTROLS

Our automated systems can optimize your wastewater operations.

“Before we automated the wastewater systems of a local municipality, their employees were working three shifts, seven days a week to process enough water to facilitate the city’s usage. Since we automated their system, their manpower is down to one shift, five days a week – and they actually produce more usable water!”

— *BLOC Instrumentation & Controls*

We can minimize your expenses, and maximize your profit.

“We were working with a municipal group who was over-using additives to purify the water in their water treatment plant. We set them up with a system that measures the chemicals present in the water, and dispenses the proper amount of purifying chemicals as needed. We reduced their materials usage by about half – saving them tens of thousands of dollars, and producing a better product for the city’s residents.”

— *BLOC Instrumentation & Controls*

CONTROL PANELS

Because BLOC’s control panels are so well-designed and organized, maintenance is quick and simple.

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— *BLOC Instrumentation & Controls*

GENERAL CONSULTING

Our clients trust us, and respect our opinion.

“I had a client call me to verify a quote he’d received from one of our competitors. I went to review the scope of work. I gave him a quote on the spot that turned out to be a fraction of what our competitor had quoted him. Needless to say – we got the job.”

— *BLOC Operating Services*

DESIGN-BUILD

BLOC coordinates all aspects of the project – from start to finish.

“General contractors want to go to their Electrical Contractor and ask for a bid that includes electrical, telephone, instrumentation and controls. This would normally require a host of subcontractors. BLOC can provide all these services in-house at one price. Very few companies in this area can do that.”

— *BLOC Sales and Business Development*



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