

PROPOSAL NUMBER	SE1337
CLIENT	CITY OF SEGUIN
PROJECT	Fiber Optic Communication Infrastructure & SCADA Integration
DATE	2/3/2026
REVISION	1.0



Proposal Number	DATE	REVISION
SE1337	2/3/2026	1.0

CITY OF SEGUIN 205 N. RIVER SEGUIN, TEXAS 78155

Attn: STEVE PARKER

SUBJECT: Fiber Optic Communication Infrastructure & SCADA Integration

PROPOSAL: SE1337

Dear STEVE PARKER,

Thank you for allowing SOAP Engineering to submit a proposal for Fiber Optic Communication Infrastructure & SCADA Integration. We are pleased to provide the enclosed proposal based on the requirements.

SOAP Engineering has earned a reputation as a global leader in the design/build and systems integration of SCADA and control systems over the past 30 years. Our depth of experience and rigorous implementation strategies allow us to provide our clients with innovative solutions to complex industry challenges.

We welcome the chance to further explain our approach whenever you are ready to move forward. It would be our pleasure to work with you, and we look forward to your positive response.

Please don't hesitate to contact me if you require any clarifications or have any questions about the proposal. Thank you for the opportunity to be of service.

Sincerely,

A handwritten signature in blue ink, appearing to read "Viqar Anwar".

Viqar Anwar
President
viq.anwar@soapeng.com
+1(281)635 2387
SOAP Engineering, LLC



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1 Company Overview & Relevant Experience

1.1 company's background

SOAP has completed over 350 projects supplying our clients with SCADA software, hardware and integration spanning a multitude of applications ranging from SCADA modernization to installing complex industrial plants and building management and control systems. We consider this track record places SOAP in the forefront of supply of control and automation solution experience.

- Over 30 years of experience in various industries including a strong focus in water & wastewater.
- Over 90 Engineers, Programmers and Field Technicians with extensive experience
- Rigorous Project Management standards and Project Execution methodologies followed including a dedicated, independent team for Testing, QA/QC
- Committed to strict standards in QHSE, Cybersecurity, Industry Compliance and Government Regulations
- Expertise and certifications on many platforms including
 - GE Proficy Ifix, VT SCADA, Ignition and ICONICS
 - Rockwell (Control/Compact/MicroLogix, FactoryTalk, SLC-500
 - Fiber Optic

In-house personnel to deliver full turn-key services including

Control Systems Engineering & Automation Project Management, Engineering Design, Measurement, PLC/RTU/MTU/HMI programming, Network/Radio/Coms Implementation, Panel Fabrication (UL-508a Certified), Drafting & Drawing Packages, Field I&E Installation, Calibration & Commissioning, SOP and System Standardization & Documentation, Training, Service and Support

Enterprise SCADA - Turnkey Solutions, Upgrades, Enhancements & Support, SCADA-as-a-Service Solutions, Infrastructure Design, Full Cloud Architecture Build and Hosting, Integration with Downstream Systems and Business Applications, High Performance HMI Standardization, Business Intelligence – KPIs, Smart Dashboards, Reporting, Historian and Database Configuration & Management, Polling Optimization & Alarm Rationalization, 24/7 Control Room Monitoring and Support

Expert Certificate Progress SOAP Engineering, LLC is currently in the final stages of obtaining ISA/IEC 62443 Certified System Integrator status through the ISA Global Cybersecurity Alliance (ISAGCA). This certification underscores our long-term commitment to implementing and maintaining secure-by-design industrial control systems, ensuring that clients like City of Seguin receive solutions that meet the highest standards of reliability, safety, and cybersecurity.





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1.2 Relevant Experience

1.2.1 Entiat SCADA NFH (National Fish Hatchery) Wastewater Treatment Plant

Beginning Date of Contract	Completion Date of Contract
September 2020	January 2021
Contract Value	\$239,921.00
Type of Contract	Fixed Price
Scope of work	
<p>Designed and established Entiat National Fish Hatchery's first SCADA System at their Entiat, Washington location. The system is responsible for monitoring the 6 water wells, flow meters and pump systems at the hatchery. The scope involved complete design, procurement, configuration, installation and testing of a new SCADA System at the facility along with the respective PLCs, instrumentation, radio communication and camera system. The system is comprised of: A SCADA Workstation using Ignition Automation Software and a radio access point to communicate with multiple subscriber radios across 17 remote sites. An Allen Bradley 850 PLC Micro Controller was the PLC chosen to be installed on site. Multiple flow meters, level meters and temperature/pressure sensing devices were also installed to monitor and control the functionalities of the hatchery.</p>	
Activities	Platforms
<ul style="list-style-type: none"> • Project Management • PLC/DCS/HMI Programming • Design Engineering & Planning • Panel Fabrication • SOP and System Documentation • Drafting • Field Services – Installation, Calibration, and Commissioning • Training • Construction 	<ul style="list-style-type: none"> • PLC <ul style="list-style-type: none"> ✓ A-B MicroLogix • HMI/SCADA <ul style="list-style-type: none"> ✓ Ignition



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1.2.2 Project: City of Pecos, TX

Beginning Date of Contract	Completion Date of Contract
January 2021	September 2023
Contract Value	\$1,314,159.00
Type of Contract	Fixed Price
Scope of work	
<p>This project involved the design, build, and construction activities covering the upgrade of the City's Water Supply SCADA System. The upgrade included demolition of existing equipment and installation of new control panels at 41 sites, including water wells, elevated storage tanks, booster pump stations, and the main city high service pump station. A new radio communication network was supplied and installed based on 5Ghz and 2Ghz radios including 26 Radio towers ranging from 40 ft to 100 ft in height Instrumentation upgrades were also performed to integrate into the new control system. New PLC program logic was developed for each location. The SCADA system provided was based on VTSCADA providing status and remote control for each site.</p>	
Activities	Platforms
<ul style="list-style-type: none"> • Project Management • PLC/DCS/HMI Programming • Design Engineering & Planning • Panel Fabrication • SOP and System Documentation Drafting • Field Services – Installation, Calibration, and Commissioning • Training • Demolition • Construction 	<ul style="list-style-type: none"> • PLC <ul style="list-style-type: none"> ✓ Siemens, S7 1200 ✓ SCADAPack • HMI/SCADA <ul style="list-style-type: none"> ✓ VTSCADA ✓ Local Panel PC



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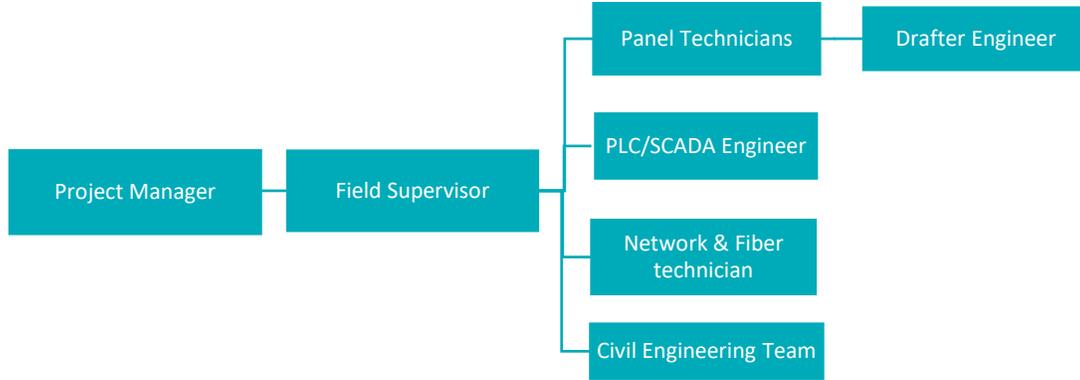
1.2.3 Project: MARATHON OIL

Beginning Date of Contract	Completion Date of Contract
01/20/2023	08/29/2026
Contract Value	\$ 401,407
Type of Contract	T&M - MSA
Scope of work	
<p>This project involves field support services, providing qualified personnel, equipment, and materials as required to perform SCADA, instrumentation, and communications engineering support services, in support of the City's operations. All work is carried out on an as-requested basis, as and when directed by the City or designated project representative.</p> <p>For this project included the design, assembly, programming, testing, and installation of SCADA and communications control panels, including support for PLC-based systems and network integration. It also involved the development of Issued for Construction (IFC) and As-Built drawings for multiple utility facilities, including field inspections, coordination of fiber optic communication interfaces, P&ID reviews, and development of electrical and control schematics.</p>	
Activities	Platforms
<ul style="list-style-type: none"> • PLC Programming • Onsite Troubleshooting • Project Management • Redundant Control Panel Design and Assembly • Fiber optic support for SCADA communications • Commissioning 	<ul style="list-style-type: none"> • PLC <ul style="list-style-type: none"> ✓ A/B Control Logix • HMI/SCADA <ul style="list-style-type: none"> ✓ Aveva- Wonderware

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2 Proposed Project Team

SOAP Engineering LLC presents a highly experienced and skilled team to lead and execute this project. The organization chart below outlines the hierarchy and roles of the project team.



2.1 Roles and Responsibilities

2.1.1 Project Manager

- Serves as the primary point of contact with the City of Seguin and is responsible for the overall success of the project.
- Provides project planning, coordination, and management across the full project lifecycle.
- Tracks project progress and reports status, milestones, and any changes to the City to ensure alignment with project objectives.
- Manages the project schedule, budget, procurement, and cost control to ensure effective use of resources.
- Oversees scope management and ensures all contractual requirements and deliverables are met.
- Coordinates SCADA work windows, outages, and activities performed under City oversight.
- Ensures compliance with contract documents, technical specifications, quality standards, and City policies.
- Oversees project documentation, submittals, and final acceptance.

2.1.2 Field Supervisor

- Supports the execution of field activities and assists in maintaining installation quality in accordance with project requirements.
- Oversees day-to-day field activities at the PRV site, RNPP vault, and Niagara Meter sites.
- Participates in planning and coordination of field activities and helps define on-site technical tasks and work sequencing.
- Coordinates daily field work, site access, and installation activities for fiber, conduit, panels, and communication equipment.
- Verifies that field work generally follows approved drawings and specifications
- Performs field checks and supports Site Acceptance Testing (SAT) activities to confirm installation quality and system performance.
- Reviews installation and labeling prior to commissioning activities.
- Reports field progress, observations, and issues to the Project Manager.
- Serves as a point of coordination between field crews, the Project Manager, and City representatives during field activities.



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2.1.3 Panel Technicians

- Responsible for supporting the technical quality and integrity of control panel fabrication and installation activities.
- Performs panel assembly, internal wiring, labeling, and termination for PLCs, switches, power supplies, UPS, and communication devices.
- Works from approved drawings and specifications and coordinates with engineers as needed to support proper implementation.
- Assists in identifying and addressing discrepancies in panel construction to maintain acceptable technical quality.
- Supports panel testing, checkout, and documentation activities, including wiring diagrams and panel records.

2.1.4 PLC/SCADA Engineer

- Performs SCADA configuration and integration under City oversight.
- Develop and updates SCADA graphics, points, alarms, trends, and communication paths.
- Integrates PRV site controls and updates Niagara Meter communications via fiber network.
- Conducts SCADA testing and validation with City staff in the production environment.
- Provides SCADA backups and updated system documentation.
- Perform PLC Backup files.

2.1.5 Network & Fiber technician

- Supports installation, termination, and testing of single mode fiber optic infrastructure, both aerial and underground.
- Assists with fiber splicing activities, patch panel installation, and labeling in accordance with project requirements.
- Performs fiber testing activities
- Installs and supports network communication equipment such as media converters, SFP modules, and managed Ethernet switches.
- Verifies connectivity and communication paths to support SCADA system integration.
- Coordinates field activities with the Field Supervisor and reports progress or issues as required.

2.1.6 Drafter

- Develops and maintains project drawings, including panel layouts, wiring diagrams, and fiber diagrams.
- Produces as-built drawings reflecting final installed conditions.
- Prepare documentation packages including CAD and PDF deliverables.
- Supports compilation of O&M manuals, test reports, and final project records.

2.1.7 Civil Engineering Team

- Supports civil-related activities associated with the installation of fiber optic and SCADA infrastructure.
- Assists with coordination of conduit transitions, penetrations, and interface points between underground and above-ground installations.
- Supports installation of equipment mounting bases and minor structural supports as required.

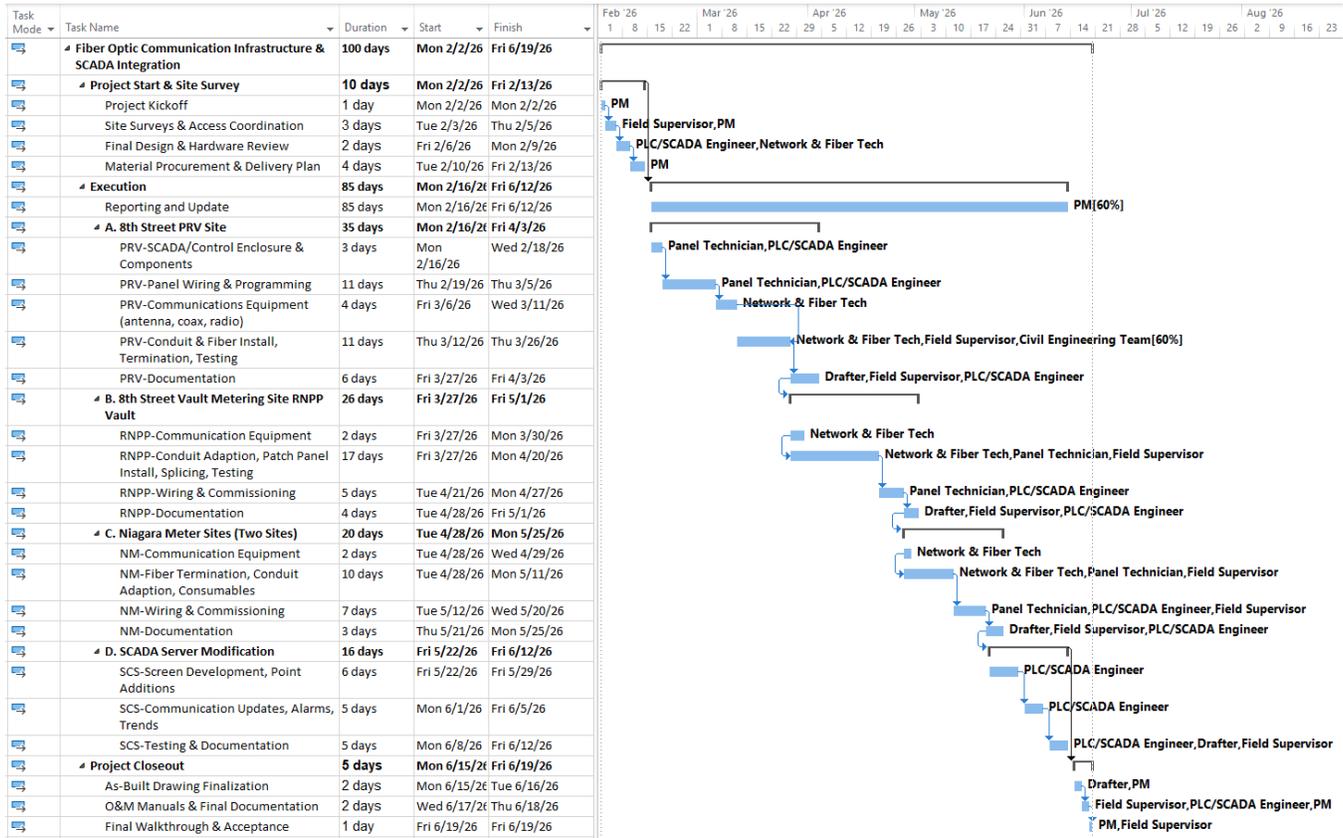


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- Works in coordination with the Project Manager and Field Supervisor to align civil activities with site conditions and approved drawings.
- Verifies civil-related work generally comply with City requirements and project specifications.
- Coordinates civil scope activities to support fiber optic routing and equipment installation.

3 Project Timeline & Resource Allocation

3.1 Project Timeline



3.2 Resource Allocation

Resource	Allocation
Project Manager	100%
Field Supervisor	90%
Panel Technicians	65%
PLC/SCADA Engineer	75%
Network & Fiber technician	60%
Drafter	25%
Civil Engineering Team	10%



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4 References for Similar SCADA Projects

4.1 Project: Town of Wenham, MA - Water Department SCADA System upgrade

Beginning Date of Contract	Completion Date of Contract
May 2021	July 2021
Contract Value	\$125,000.00
Type of Contract	Fixed Price
Contact	Name: Victoria Masone Role: Professional Engineer Telephone: (978) 853-5112 Email: victoria@vmconsultingllc.com
Scope of work	
<p>The purpose of this project was to upgrade the SCADA communications infrastructure to FM radio and refresh several areas of the SCADA system that are beyond their expected service life. The refresh involved replacing SLC 5/04 and associated I/O Modules with Compact Logix L33 systems and upgrading PanelView touchscreens. An additional Remote Panel was upgraded. All panels were outfitted with new FM transceivers and antennas. The system was installed on site and configured to communicate with a new SCADA server with a new SCADA Application developed on the GE iFix platform.</p>	
Activities	Platforms
<ul style="list-style-type: none"> Project Management PLC/DCS/HMI Programming Design Engineering & Planning Panel Fabrication SOP and System Documentation Drafting Field Services Installation, Calibration, and Commissioning Training 	<ul style="list-style-type: none"> PLC <ul style="list-style-type: none"> ✓ A-B CompactLogix ✓ A-B MicroLogix 1400 HMI/SCADA <ul style="list-style-type: none"> ✓ GE iFix ✓ PanelView Plus 1000

4.2 SE1054 - Project: ATF Fire Research Lab- PLC Upgrade and Replacement

Beginning Date of Contract	Completion Date of Contract
August 2024	April 2025
Contract Value	\$ 133,529.00
Type of Contract	Fixed Price
Contact	Name: Jason P. Ouellette Role: FRL Laboratory Section Chief Telephone: 240-753-2509 Email: Jason.Ouellette@atf.gov
Scope of work	
<p>The scope of this project involved the complete replacement and upgrade of legacy PLC systems, including the discontinued SLC 5/05, and CompactLogix 1500 controllers, with new CompactLogix 5380 and CompactLogix 5370-L30ER controllers, respectively. Program logic was migrated from the existing to the new Compact Logix Controllers. Device Net cabling was upgraded to Ethernet IP. Comprehensive logic of program testing was performed to verify functionality. Support was provided to integrate the new programs with the existing GE iFIX SCADA platform.</p>	
Activities	Platforms



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<ul style="list-style-type: none"> • Project Management • Design Engineering & Planning • PLC/DCS/HMI Programming • SOP and System Documentation Drafting • Field Services – Installation, Calibration, and Commissioning 	<ul style="list-style-type: none"> • PLC <ul style="list-style-type: none"> ✓ CompactLogix 5380 ✓ CompactLogix 5370-L30ER
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4.3 Project: City of Abilene, TX

Beginning Date of Contract	Completion Date of Contract
March 2022	October 2023
Contract Value	\$784,000.00
Type of Contract	Fixed Price
Contact	Name: Donald Mattern Role: Professional Engineer Telephone: (325) 864-7090 Email: donald.mattern@e-ht.com
Scope of work	
<p>This project involved the upgrade and improvement of the existing SCADA system at the Abilene Northeast Water Treatment Plant which included replacement of 6 PLCs covering, all clarifiers, filter trains, caustic, and polymer systems as supply of new Plant Master and Air Scour Valve Control Panels. The original systems were obsolete based on Bristol Babcock, SCADAPack, Allen-Bradley and MicroLogix 1400. The old systems were demolished and replaced with new PLCs and Control Panels. Various Instruments were supplied and installed including Chlorine analyzers, Turbidity meters, Flow meters, Scales, Level Indicating Transmitters. New programs were developed for all the replaced PLCs and integration with the new Aveva System Platform SCADA application. A major component for the project was an extensive network of conduit and wiring from the main control panel to all filters and sensors in the filtration gallery</p>	
Activities	Platforms
<ul style="list-style-type: none"> • Project Management • PLC/DCS/HMI Programming • Panel Fabrication • SOP and System Documentation • Drafting • Field Services – Installation, Calibration, and Commissioning • Training 	<ul style="list-style-type: none"> • PLC <ul style="list-style-type: none"> ✓ A-B CompactLogix ✓ A-B MicroLogix • HMI/SCADA <ul style="list-style-type: none"> ✓ PanelView ✓ Wonderware AVEVA

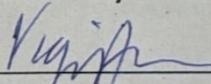
ADDENDUM FORM
Bid # AF-2026-25

Receipt is hereby acknowledged of the following Addenda to the Specifications:

ADDENDUM NO. 1 DATED 01/07/2026 ADDENDUM NO. 4 DATED _____
ADDENDUM NO. 2 DATED 01/13/2026 ADDENDUM NO. 5 DATED _____
ADDENDUM NO. 3 DATED 01/20/2026 ADDENDUM NO. 6 DATED _____

- The Undersigned affirms that it is duly authorized to submit this bid, that this bid has not been prepared in collusion with any other bidder, and that the content of this bid as to prices, terms, or conditions of said bid has not been communicated to any other bidder prior to the official opening of this bid.
- The Undersigned certifies that pursuant to Section 2270.002 of the Texas Government Code, Bidder does not boycott Israel and will not boycott Israel during the term of the contract resulting from this solicitation.
- The Undersigned certifies that pursuant to S.B 19, Bidder does not boycott energy companies and will not boycott energy companies during the term of the contract.
- The Undersigned certifies that pursuant to S.B. 13, Bidder does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association; and will not discriminate during the term of the contract against a firearm entity or firearm trade association.

SOAP SCADA, LLC
Company Name


Authorized Signature

1334 Brittmoore RD, Suite 1001
Address

Vigar Anwar
Printed Name

Houston, TX 77043
City, State, Zip Code

President
Title

(281) 635 - 2387
Phone No.

1/28/2026
Date

Email Address: viq.anwar@soapeng.com

Bid # AF-2026-25
DUE DATE: January 13, 2026

BASE BID					
Item No.	Description	Unit	Estimated Quantity	Bid Unit Price	Bid Price
1	Fiber Optic Communications Infrastructure & SCADA Integration – 8th Street Corridor	LS	1	\$ 132,296	\$ 132,296
Base Bid Items Total					\$ 132,296

PRICE BREAKDOWN (NON-BINDING – FOR CITY EVALUATION)

(This section is informational only. The Base Bid governs.)

A. 8th Street PRV Site

Description	Price
SCADA/Control Enclosure & Components	\$ 25,256.70
Panel Wiring & Programming	\$ 11,318.10
Communications Equipment (antenna, coax, radio)	\$ 13,679.34
Conduit & Fiber Install, Termination, Testing	\$ 14,476.48
Documentation	\$ 4,813.18
PRV Site Subtotal	\$ 69,543.81

B. 8th Street Vault Metering Site (RNPP Vault)

Description	Price
Communications Equipment	\$ 7,795.00
Conduit, Patch Panel Install, Splicing, Testing	\$ 7,189.00
Wiring & Commissioning	\$ 6,216.52
Documentation	\$ 1,255.61
Vault Site Subtotal	\$22,456.14

C. Niagara Meter Sites (Two Sites)

Description	Price
Communications Equipment	\$ 7,749.34
Fiber Termination, Conduit Adaption, Consumables	\$ 7,730.64
Wiring & Programming	\$ 7,989.15
Documentation	\$ 2,092.69
Niagara Sites Subtotal	\$25,561.82

D. SCADA Server Modifications

Description	Price
Screen Development, Point Additions	\$ 7,102.83
Communications Updates, Alarms, Trends	\$ 2,917.45
Testing & Documentation	\$ 4,714.70
SCADA Server Subtotal	\$14,734.99

Total (For Reference Only)\$ 132,296.76

BIDDER'S EXCEPTION FORM
Bid # AF-2026-25

This form must be completed and signed by an authorized representative of the company. Failure to do so may cause total bid to be rejected. If no exceptions are to proposed, indicate by stating "No Exceptions to Specifications" and sign in the appropriate space.

STATEMENT OF BIDDER:

WE PROPOSE THE FOLLOWING EXCEPTIONS TO THE SPECIFICATIONS:

<u>SECTION</u>	<u>PAGE/ PARAGRAPH #</u>	<u>EXCEPTION</u>
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
_____	_____	_____
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NOTE: If additional pages are needed, attach to the back of this page and note "See Page 2-Deviations" on this page.

SOAP SCADA, LLC
Company Name


Authorized Signature

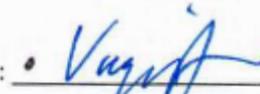
CERTIFICATE OF CORPORATE BIDDER

AF-2026-25

CERTIFICATE OF CORPORATE BIDDER

I, Vigar Anwar, certify that I am President (title)

Of the corporation named as Bidder herein; that Vigar Anwar who signed this bid on behalf of the Bidder, was then President (title) of said corporation; that said bid was duly signed for and on behalf of said corporation by authority of its governing body and is within the scope of its corporate powers.

Signature of Officer: 

Type or Print Name: Vigar Anwar

Title of Officer: President

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor doing business with local governmental entity

FORM CIQ

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

OFFICE USE ONLY

Date Received

1 Name of vendor who has a business relationship with local governmental entity.

SOAP SCADA, LLC

2 Check this box if you are filing an update to a previously filed questionnaire. (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

3 Name of local government officer about whom the information is being disclosed.

Name of Officer

4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income, other than investment income, from the vendor?

Yes No

B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

Yes No

5 Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.

6 Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

7 

Signature of vendor doing business with the governmental entity

1/15/2026

Date

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

1 of 1

Complete Nos. 1 - 4 and 6 if there are interested parties.
 Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

OFFICE USE ONLY CERTIFICATION OF FILING

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.
 SOAP SCADA, LLC
 Houston, TX United States

Certificate Number:
 2026-1408197

Date Filed:
 01/14/2026

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.
 City of Seguin

Date Acknowledged:

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.
 AF-2026-25
 Fiber Optic Communication Infrastructure & SCADA Integration

4	Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
			Controlling	Intermediary

5 Check only if there is NO Interested Party.

6 UNSWORN DECLARATION

My name is _____, and my date of birth is _____.

My address is _____, _____, _____, _____, _____.
(city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

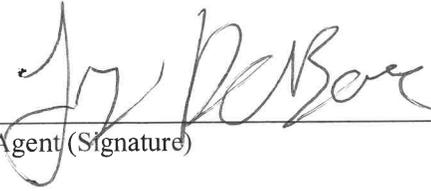
Executed in _____ County, State of _____, on the _____ day of _____, 20____.
(month) (year)

 Vigar Anwar, President
 Signature of authorized agent of contracting business entity
 (Declarant)

**CITY OF SEGUIN
INSURANCE REQUIREMENT AFFIDAVIT**

**To be Completed By Appropriate Insurance Agent
and submitted with bid proposal.**

I, the undersigned Agent/Broker, certify that the insurance requirements contained in this bid document have been reviewed by me with the below identified Contractor. If the below identified Contractor is awarded this contract by the City of Seguin, I will be able to, within ten (10) days after being notified of such award, furnish a valid insurance certificate to the City meeting all of the requirements defined in this bid.


Agent (Signature)

Tracy DeBoer
Agent (Print)

Name of Agency/Broker: HILL GROUP CENTRAL dba AL THURMOND AGENCY

Address of Agent/Broker: 14800 ST MARY'S LANE, STE. 235

City/State/Zip: HOUSTON, TEXAS 77079

Agent/Broker Telephone #: (281) 201-0252

CONTRACTOR'S NAME: SOAP SCADA, LLC
(Print or Type)

NOTE TO AGENT/BROKER

If this time requirement is not met, the City has the right to invalidate the bid award and award the contract to the next lowest bidder meeting specifications. Should an awarded bid be invalidated the Contractor may be liable for breach of contract. If you have any questions concerning these requirements, please contact the Purchasing Manager for the City of Seguin at (830) 401-2451



CHAIMAA DRIOUECH

Project Manager

PROFESSIONAL PROFILE

- Software Engineer with 10+ years of Project and SCADA Management experience in engineering, information systems, and technology projects for Water and Waste Water, Manufacturing, and supporting industries.
- Proven track record in managing full life-cycle software project integration:
 - Requirements gathering and identification of deliverables
 - Project scheduling and planning
 - Leadership of full life-cycle SCADA and software integration projects including SCADA Master plans
 - Project implementation and final commissioning
- Extensive knowledge of SCADA systems:
 - Supervisory Control and Data Acquisition (SCADA) systems
 - Programmable Logic Controllers (PLCs)
 - Human-Machine Interfaces (HMIs)
 - Data warehousing and conversion
 - Programming languages relevant to SCADA and automation

HIGHLIGHTS

- SCADA/HMI Experience
 - Ignition 8.1 (Vision and Perspective)
 - ICONICS Genesis 32/64
- Programming Languages and Tools
 - JavaScript
 - Python
 - NodeJS
 - SQL
 - MySQL
 - SAP
 - MongoDB
 - Power BI
 - Microsoft SQL Server
 - Microsoft Azure

PROFESSIONAL EXPERIENCE

SOAP ENGINEERING

Senior Project Engineer

Achievements and Duties

Project: OXY OMAN | ICONICS

SCADA System Migration

- Assessed the existing Genesis32 setup, including all configurations, integrations, and customizations
- Established clear goals for the migration, such as improved performance, enhanced security, and new feature utilization
- Led and Oversee the design and development of screens/symbol library for the visualization and control of information according to the client's requirements
- Conducted extensive testing in a testing environment before full deployment to identify and resolve any issues
- Implemented database modifications and upgrades to enhance SCADA system functionality
- Ran the old and new systems in parallel for a period to ensure the new system performs as expected



without disrupting operations

- Provided regular updates on the migration progress and addressed any issues promptly
- Documented all project phases, contributing to clear and comprehensive project records

Project: Willard, Oregon | ICONICS

SCADA ALARM UPGRADE

- Defined Scope and Objectives by clearly outlining the project scope, objectives, and deliverables. Ensure all stakeholders are aligned
- Developed a Project Plan by creating a detailed project plan that includes timelines, milestones, resource allocation, and risk management strategies
- Prepared and managed the project budget, ensuring all expenses are tracked and within the allocated funds
- Led a team of developers and technicians to develop a detailed design for the SCADA system, including the layout of new panels, placement of radio antennas, and network architecture
- Oversee the design of the SCADA system, ensuring it meets all technical requirements and standards
- Ensured the new panels and radio antennas are properly integrated with the ICONICS SCADA system
- Supervised the configuration of ICONICS software, including AlarmWorX64, and conducted thorough testing to ensure system reliability
- Conducted regular team meetings to monitor progress, address issues, and ensure effective communication
- Provided regular updates to stakeholders on project progress, challenges, and any changes to the plan
- Organized training sessions for operators and maintenance staff on the new SCADA system and its features
- Created comprehensive documentation covering the system design, configuration settings, and operational procedures

Project: Pilot Water, South Texas | ICONICS/Web Application

Saltwater Disposal Facilities

- Developed a Python/Flask web app to streamline truck ticketing and automate data collection
- Built a performant front-end with vanilla JavaScript for efficient tracking of truck movements
- Created a web app for SCADA system performance reports, using Flask for backend processing and JavaScript for dynamic charts
- Integrated web apps with SCADA systems, ensuring real-time data flow using Python and communication protocols
- Developed RESTful APIs with Flask to facilitate data exchange between web apps and backend systems

Odfjell Terminal Automation System | Ignition

PLC/SCADA Support and Upgrade

- Developed and implemented upgrades for HMIs, and SCADA Ignition systems, ensuring seamless integration with terminal operations and terminal business management system (TMS)
- Ensured the automation system was robust, reliable, and user-friendly, meeting the needs of operators in the central control room
- Designed the system for future scalability, incorporating 15% spare capacity for expansion and trending of future data
- Implemented seamless interfaces with various terminal systems, including PLCs, VFDs, truck scales, radar gauges, Coriolis Mass Flow meters, rail scales, and SAP-based TMS
- Enabled remote accessibility for troubleshooting and system modifications, improving operational flexibility and efficiency
- Monitored and controlled terminal operations such as product storage, alarm conditions, pneumatic valves, pumps, tank levels, and temperature
- Created systems to trend and log data (e.g., tank levels, temperature, pressure, utility usage) for compliance and



operational insights, with reporting capabilities for daily and monthly usage

- Managed truck, rail, and marine loading/unloading operations, including the control of multiple simultaneous transfers to and from storage units
- Implemented PID control and Stop Gauge calculations for truck and rail transfers, working in conjunction with TMS for marine calculations
- Developed pre-transfer screens, forms for Marine Vapor Control System compliance, and transfer-related reports for operator interface and graphical display

Machine Saver Inc.

IIoT Coding Partner

Achievements and Duties:

- Responsible for the design and development of vibration monitoring systems connected to triaxial vibration sensors and Proximity Probes utilizing Python, JavaScript, NodeJS
- Creating Dashboards and implementing UI techniques to store and visualize vibration data (Frequency Domain (Spectrum) and Time Domain) utilizing JavaScript, HTML, CSS and AWS services
- Providing guidance and assistance to customers to integrate quality work products by using our sensors and collecting/processing vibration data analysis

Still Associates

Organizational Development Manager

Achievements and Duties:

- Responsible for hiring, on-boarding, mentoring and retaining talent in a diverse team of architects, technicians and engineers
- Broke down a full projects plan into incremental deliveries and track the team's work against those steps
- Worked closely with managing leaders to continuously improve the overall development processes
- Contributed to tripling human capital and doubling profit from 5.6 million (MAD) in 2016 to 12 million (MAD) in 2017

Uniforce Group (IBM Partner)

Programmer & IBM Certified Consultant

Achievements and Duties:

- Designed and Developed IBM web-based applications (front-end and back-end) with focus on usability and scalability based on business requirements
- Production support and troubleshooting for existing applications
- Worked with senior developers in solving new and existing technical issues
- Worked with business analysts, functional users and interacted with other developers to translate business requirements into technical ideas and ensure that code functionality meets requirements

EDUCATION

MS of Science in Management for Scientists

BS of Engineering in Computer Science Applied to Business Management

Data Analytics Certificate program



COLE SHARRAH, MECHANICAL ENGINEER

Panel Technicians

Professional Profile

- Detail-oriented mechanical engineer with 9 years of experience in commissioning, design, implementation, and maintenance of SCADA automation systems in oil and gas, wastewater, flood water and fish and wildlife industries.
- Experience and knowledge overseeing installation, testing, commissioning and maintenance activities for plant equipment.
- Expertise with industrial control systems design, automation, PLC programming, and SCADA configuration.
- Proven ability to provide technical support to operations teams during pre-commissioning, commissioning start-up C shut down.
- Thrives in high-pressure and challenging work environments.

Highlights & Certifications

- Extensive Development C Support experience.
- Led commissioning efforts, ensuring on-time and within-budget completion.
- Successfully resolved complex mechanical issues during commissioning, minimizing downtime and resulting in optimized resource allocation.
- Experience supporting fiber optic scope activities related to control panels, including installation of fiber patch panels, coordination of terminations, and verification of fiber connectivity for SCADA communications.
- Ignition Core Certification – System Integrator (Inductive Automation)
- Samsara Implementation – Cloud Monitoring
- Experience with Kepware OPC connections
- Experience with GE iFIX SCADA software

Professional Experience

SOAP ENGINEERING

2018 to Present

Commissioning Engineer | Automation & Equipment Technician | Field Superintendent | Support & Monitoring Engineer

Highly skilled engineer who can train personnel, manage projects, and collaborate with external contractors. Played a vital role in ensuring successful project execution participating in the development of

Achievements and Duties:

Project: ConocoPhillips, Kermit, TX IsE

Maintenance and Modification

- Conducted pre-commissioning inspections of mechanical systems and equipment.
- Analyzed complex engineering drawings and technical specifications to accurately commission electrical, mechanical, pneumatic, hydraulic systems in manufacturing plants.
- Oversaw the installation and assembly of mechanical systems, ensuring adherence to design and safety standards.
- Directed maintenance for onsite equipment for oil wells, tank batteries and facilities.
- Proactively identify opportunities for process improvement and optimization.
- Designed and developed screens for the visualization and control of information to meet requirements.
- Documented and reported on all commissioning activities, ensuring that mechanical systems were



properly calibrated and operational in accordance with safety protocols.

Project: City of Abilene, Abilene, TX Water

Treatment Plant SCADA Upgrade

- Collaborate closely with clients, project managers, and other team members to gather requirements, define project scope, and develop technical specifications.
- Communicate findings and recommendations to senior management and stakeholders through clear and concise reports and presentations.
- Contribute to strategic planning initiatives by providing insights and recommendations based on data analysis.
- Panel Building and procurement of materials.
- Directed onsite installation.
- Assist in troubleshooting and resolving technical issues and challenges encountered during the development and deployment phases.

Project: Town of Pecos City, Reeves County, TX

Water System SCADA Improvements

- Presented detailed technical reports to senior management regarding maintenance requirements for the new equipment.
- Optimized production processes through regular maintenance checks that ensured optimal performance of equipment.
- Panel Building and procurement of materials.
- Directed onsite installation.

Project: Town of Wenham Water Department, Wenham MA, TX

SCADA System and Communication Upgrade

- Managed the migration of old GE iFIX software to newest stable version.
- Enhanced radio communication and testing for reliable communication.
- Conducted manlift operation for antenna installations
- Presented detailed technical reports to senior management regarding maintenance requirements for the new equipment.

Project: Perdure Petroleum LLC, Wellman TX Gas

Compressor Relocation

- Inspected machines daily during commissioning process, identifying potential hazardous situations or outdated components before they became critical problems.
- Oversaw the installation and assembly of mechanical systems, ensuring adherence to design and safety standards.

Project: Flowserve Corporation, Houston TX Panel

Building

- Thoroughly tested each installed system and its associated control panels until it met customer specifications.
- SCADA system installation and communication.
- Oversaw the installation and assembly of mechanical systems, ensuring adherence to design and safety standards.



Project: Entiat National Fish Hatchery, Entiat WA Fish Hatchery System Health Monitoring

- Developed commissioning reports documenting equipment performance and operational parameters.
- Designed and implemented the Ignition SCADA system.
- Conducted the installation of field equipment.

Project: Perdure Petroleum LLC, Wellman TX, Denver City TX Radio System Installation

- Troubleshoot problems quickly and effectively by utilizing expertise in instrument calibration C testing techniques to identify potential issues before they occurred minimizing downtime
- Conducted the installation of field equipment.
- Created datapoints in Samsara's website to pull values from the IOT devices on site.

Project: Southwest Water Company, Houston TX, Dallas TX Wastewater Management

- Meticulously tested safety protocols for equipment installation according to established guidelines while ensuring compliance with industry standards at all times.

Project: Army Corp of Engineers, Vicksburg MS Floodwater Monitoring and Control

- SCADA server built with Ignition software.
- Oversaw the installation and assembly of mechanical systems, ensuring adherence to design and safety standards.

Project: Olympus Energy, Canonsburg PA, remote work from Houston TX Upstream Gas Well Monitoring

- Interpret and analyze complex data sets to derive meaningful insights and support decision-making processes.
- Developed detailed scopes-of-work for each project including timeframes, staff requirements and budget allocations which enabled successful completion within allocated timelines and budgets without any overruns or delays incurred during execution phase.
- Directed maintenance, monitoring and expansion of the existing SCADA system and SQL database for new well sites added to the system.
- Lead system migration from Azure cloud to new cloud environment.
- Trained junior engineers and technicians in commissioning procedures and best practices.
- Advised clients on proper operation procedures while providing training sessions for operators and technicians across various departments increasing operator efficiency.
- Developed commissioning reports documenting equipment performance and operational parameters.



CRISTIAN GOMEZ

Drafter Engineer

PROFESSIONAL PROFILE

- Petroleum Engineer with 4+ year of experience
- Specific skills in Oil and Gas Upstream and Midstream
- Experience and knowledge in industrial control systems design, PLC programming, and SCADA configuration
- Development experience in Engineering documentation including I/O lists, Cause and Effects, Control Narratives, FDS
- Experience developing fiber optic-related engineering documentation, including fiber diagrams, panel layouts, labeling details, and as-built drawings supporting SCADA and communication networks.
- Experience in control panel wiring, field installation and startup/commissioning

HIGHLIGHTS

- PLC Platform Experience
 - SCADAPack 350, 470, 470i
 - Allen-Bradley CompactLogix, ControlLogix (Studio 5000)
- SCADA/HMI Experience
 - Ignition 8.1 (Vision and Perspective) - Gold Certified
 - ICONICS Genesis 32/64
 - VTScada
- Programming Languages
 - JavaScript
 - Python
 - SQL
 - Power BI

PROFESSIONAL EXPERIENCE

SOAP ENGINEERING

Project Engineer

Achievements and Duties

SOAP's Universal SCADA Migration Automated Resource Translator (USMART) Tool Development

- Ensured data integrity throughout the migration process, safeguarding critical information and minimizing disruption
- Implemented customizable export options to meet diverse user requirements and enhance flexibility
- Designed a user-friendly interface to facilitate ease of use and improve user experience during the migration
- Simplified the organization and structuring of data to support a successful transition and improve overall workflow
- Developed export functionalities from Clear SCADA to streamline data transfer processes
- Created input mechanisms into Ignition to ensure seamless integration and operational continuity

**Olympus Energy, Canonsburg PA, Houston TX | Ignition
Upstream Gas Well Monitoring**



- Contribute to creating project scopes, including timelines, staffing needs, and budget estimates, to support successful project completion
- Support the maintenance and monitoring of the existing SCADA system and SQL database as new well sites are added
- Contributed to the migration of the system from Ignition version 7.9 to version 8.1
- Trained junior engineers and technicians in commissioning procedures and best practices
- Developed commissioning reports documenting equipment performance and operational parameters

Pilot Water, South Texas | ICONICS Saltwater Disposal Facilities

- Developed a Python/Flask web app to streamline truck ticketing and automate data collection
- Built a performant front-end with vanilla JavaScript for efficient tracking of truck movements
- Created a web app for SCADA system performance reports, using Flask for backend processing and JavaScript for dynamic charts
- Integrated web apps with SCADA systems, ensuring real-time data flow using Python and communication protocols
- Developed RESTful APIs with Flask to facilitate data exchange between web apps and backend systems

OXY OMAN | ICONICS SCADA System Migration

- Analysis and acquisition of information from the SCADA system, through ICONICS 9, PLC and HMI
- Building of base information and configuration in ICONICS 10
- Developed and maintained historical databases, enhancing data retrieval and analysis capabilities while overseeing screen design, symbols, QA testing, documentation
- Design and development of screens for the visualization and control of information according to the client's requirements
- Alarm testing
- Conducted thorough testing and validation of database systems on laboratory servers, ensuring reliability and accuracy
- Documented all project phases, contributing to clear and comprehensive project records
- Implemented database modifications and upgrades to enhance SCADA system functionality

Rockcliff Energy | SCADA System Integration with ProdView

- Developed a scheduled script using Ignition Gateway Event Script to automate the export of real-time data every 4 hours, ensuring continuous data flow to ProdView.



- Configured user-defined variables for the execution timeframe and export frequency, allowing easy modifications by the Rockcliff SCADA Admin team.
- Utilized the svc_ignition account to implement secure and efficient execution of the scheduled export script.
- Created new Tag Variables for daily Pressure and Temperature averages, enabling precise data extraction for export.
- Designed and implemented a .csv export format compatible with ProdView, ensuring smooth data integration for further analysis.
- Automated the generation and loading of .csv files to a defined network folder, preparing them for transfer to a secure FTP site (FTP process excluded from scope).
- Set up user-defined network folder variables for flexible configuration and ease of adjustment by the Rockcliff SCADA Admin team.
- Ensured remote development and testing from SOAP office, maintaining project timelines and quality standards.

HALLIBURTON

Petroleum Engineer

- Led the planning, coordination, and execution of works and projects, ensuring efficient and timely completion according to client specifications
- Provided expert advisory services to clients in the areas of hydraulic oil, pneumatics, and machinery maintenance, ensuring optimal system performance and troubleshooting
- Utilized CAD software for design, projection, and the manufacturing of prototypes and projects tailored to customer requirements, ensuring precision and functionality
- Managed system operations for organizing orders and jobs, eliminating delivery errors, and reducing warranty claims, resulting in enhanced operational reliability
- Supervised personnel, optimizing team performance to meet deadlines and improve efficiency in the workplace
- Improved operational efficiency through effective tool and inventory management, minimizing downtime and ensuring smoother workflows

ECOPETROL

Petroleum Engineer

Achievements and Duties:

- Designed and Developed IBM web-based applications (front-end and back-end) with focus on usability and scalability based on business requirements.
- Production support and troubleshooting for existing applications.
- Worked with senior developers in solving new and existing technical issues.
- Worked with business analysts, functional users and interacted with other developers to translate business requirements into technical ideas and ensure that code functionality meets requirements.

EDUCATION

B.S. Petroleum Engineer

Occupational Health and Safety Management Systems Certificate Program



Sohaib Ayub, Field Supervisor

Highlights & Certification

11+ years of experience as a Technical Control Engineer Expert in SCADA System improvements specializes in system design, high performance HMI & SCADA system improvements including extensive experience in large scale automation projects, PLC programming, and development experience – including Ladder Logic Programming, Function Block Diagram (FBD), Sequential Flow Chart (SFC), and Structured Control Language (STL)

Summary of Qualifications

SCADA Platforms

ClearSCADA
Factory Talk
VTScada
Ignition
Panel View
Panel Builder

PLC/RTU/EFM

Allen Bradley
Rockwell Automation
SCADA Pack
Modicon
Omron
Triconex

Other

Factory Acceptance Testing (FAT)
HMI Development
Modbus TCP/IP
DCOM

Professional Experience

SOAP Engineering

Sr. Engineering/Programmer

Worsley Alumnia Remote Monitoring

- Designed Remote monitoring for an Australian plant to monitor the status of their pumps using VTScada
- Created templated dashboards to visual the entire plant as well as certain areas
- Created data templates within VTScada in order to easily add and maintain pumps

US Fish and Wildlife Services Entiat Fish Hatchery (2020-Present)

- Designing the panel and the arrangements of components in the panel.
- Engineering the installation of sensors
- Engineering Documents, CAD Drawings & Functional Design Specification
- Programing the MOXA IO module.
- Programing and Ubiquity Radios and Access point, creating a network setup for the site.
- Bringing the existing flow meters and PLC to SCADA (Ignition)
- Conduit laying, wire pulling, sensor installation and wire termination.
- Logistics, for the Project.
- Commissioning and SAT

Jackrabbitt Road Public Utilities SCADA Upgrade (2020 – Present)

- Served as site supervisor for construction of concrete pavement and duct banks
- Managed SOAP team to build and deliver 17 PLC panels



- Designed and configured plant wide SCADA system for the city Wastewater Treatment Plant utilizing VTScada.

CIRCON (Intergulf) (2019)

- Retrieving the SCADA (FactoryTalk) system from a crashed server and reviving the plant by installing a new server
- Programming and communicating the Flow meters with CompactLogix PLC via Modbus TCP/IP.
- Creating Tags in the PLC and bringing the values in the SCADA (FactoryTalk) and historian
- Clearing the Historian 5 years data and archiving it. To increase the responsive interaction with current and relevant data.

Targa (2019)

- Programming and commissioning support for CompactLogix and MicroLogix PLCs, Install, wire and troubleshoot Input and Output Modules.
- Modbus TCP/IP communication with HESS system, sending Flow totalizer values.
- By passing and forcing values on live running plant, to maintain the operation, while running on the secondary safety systems.

Grand Canyon National Park (2018)

- VFD (Eton, Phoenix Contact, Hitachi, Durapulse, Yaskawa and ABB) programming for water and wastewater plant, including troubleshooting sensors and motors problems

Army Corps of Engineers- Vicksburg MS (2018)

- Programming of Allen Bradley MicroLogix 1400 to get the levels of land and river side, and control the gates and pumps, through Ignition SCADA Software
- Add wireless transmitter to get the land side level. Bring it in to the PLC and then to SCADA

City of Pearland, TX (2017)

- Retrofitting of MicroLogix (SLC-5) to CompactLogix
- Programming of PID loop to control a pump to keep the pressure in the line constant
- PanelView HMI installation and troubleshooting

Badger Midstream Gas Plant SCADA upgrade (2016-2017)

- Automating, Upgrading, Programming, and Commissioning of FactoryTalk SCADA Upgrade
- Designed IO list, cause and effect, and control wiring diagrams of the client
- Programming FactoryTalk View Historian Reports
- Designing the Tags and Panel

NOV (National Oilwell Varco) (2012-2015)

- Designing and commissioning control cabinets for mud pumps
- Siemens ranging from S5 series to S7 series, depending on clients' needs
- HMI from Omron, red-lion or Siemens
- Designing P&ID on AutoCAD, Panel drawings and cause and effect of the design
- Commissioning for FAT testing



- Ordering compatible PLC modules and extinction cards according to the specification of the field equipment

Shell – Artic Challenger (2012)

- Implementation of designed and developed PLC control system for a barge Arctic Challenger, A Shell Oil Spill Cleaning project, Allen Bradley SLC500 PLC for control and HIMA for fire and safety
- Loop testing & troubleshooting the I/O Points
- Analyzed and reviewed customer P&ID's and list generated of I/O and cause and effect diagrams for booster stations
- Used RS-Logix 5000 Rockwell software, PLC-5, HIMA and Silworx