

Corporate Headquarters

200 20th Street

Butner, NC 27509

888-TREAT-IT (873-2848)

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INTRODUCTION



Our facility located in Butner, North Carolina includes 15 ton cranes with an 80 foot span and a 162 foot runway with a new building expansion in 2020, including a 40 ton indoor crane expansion.



PRM's dedication to environmental protection shown in its array of almost 1,000 solar panels installed on the roof of our Butner facility.



PRM Warehouse 1 with adequate space for manufacturing and distribution of products and turnkey systems.

MISSION STATEMENT

Product Recovery Management, Inc. represents Absolute Quality, Genuine Service, and Safety by Design in each of its products, people, systems, and services.



**ABSOLUTE
QUALITY**



**GENUINE
SERVICE**



**SAFETY BY
DESIGN**

Product Recovery Management, Inc. (PRM) is an Original Equipment Manufacturer (OEM) that manufactures environmental remediation equipment, complete system packages, and provides installation/field services. Started as an electrical contracting business in 1976, PRM has merged into a well established environmental remediation and landfill gas company with over 45 years of history and experience. Founded in 1990 by Bob Phillips with the help of his sons Mel and Brian, PRM has decades of experience providing quality assurance in the environmental remediation industry. PRM has expanded its installation and maintenance services to nearly every U.S state, as well as many foreign countries, including systems operating in Canada, China, Ecuador, India, and Saudi Arabia.

Since initial inception, PRM has expanded its product line to broaden its scope of capabilities in the environmental remediation industry. Additional products and resources include:

PRM BRANDS

SPARTOX™

SPARTOX

Specializing in Ozone and Advanced Oxidation Process (AOP) Systems. PRM acquired the SpartOx brand in 2019.

FALCO®

Falmouth Products

FALCO® Oxidizers

FALCO® supplies oxidizers for remediation and for treating VOC's from industrial processes and manufacturing. PRM acquired Falmouth Products in 2021.

MagStrainer®

MagStrainer®

PRM trademarked this brand in 2020, and carries a full line of Advanced Magnetic Filtration Technologies.



Powered by *PRM Filtration*

LMS Remediation

Lease, maintenance, and service for all remediation needs



PRMDetect

Complete water and air sampling and testing needs



Nema-7.com

Specializing in hazardous location equipment



PD-Blowers.com

A wide variety of top quality blowers from some of the most trusted brands.



BAGFILTERS.COM

Offering the highest quality bag filtration products in the industry.



Booster Pumps

**Specially designed for a nationally
recognized brand with over 3500
store installations in the US.**

SERVICES

[Turnkey Remediation Systems](#)

[Landfill Systems](#)

[Environmental Equipment Manufacturing](#)

[Shop.PRMFiltration.com Online Store](#)

[SpartOx Ozone](#)

[Falco Oxidizers](#)

[ASME Tank Shop](#)

[Field Services and Installation Services](#)

[PRM Control Panels, SCADA, and Telemetry](#)

[Additional Services](#)

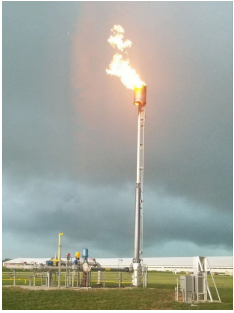
SERVICES



Turnkey Remediation Systems

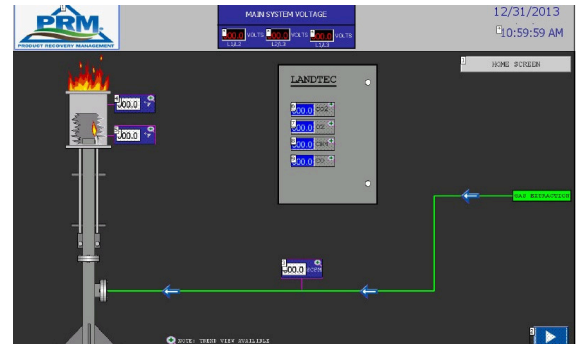
- Soil vapor extraction and air sparge
- Dual phase and multi-phase extraction systems
 - groundwater pump and treat
 - Mobile pilot units
- Vapor mitigation and sub slab depressurization
 - Controls and SCADA

LANDFILL SYSTEMS



Landfill Systems

- Landfill gas extraction packages
- Flare packages
- Blower packages
- Gas flow instrumentation
- Landfill gas filtration
- Landfill pumps- SRX Pneumatic/Electric
- UL Controls with wireless telemetry



ENVIRONMENTAL EQUIPMENT



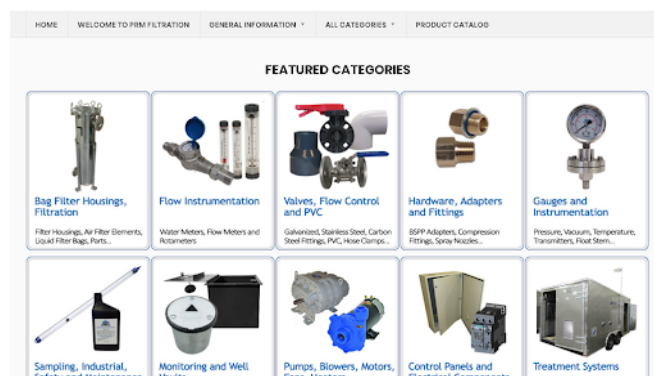
Environmental Equipment

- Air strippers
- Oil water separators
- Vapor phase and liquid phase carbon systems
- Thermal and electric catalytic oxidizers
- Blower packages
- Accessory filtration





The PRM Online Store (shop.prmfiltration.com) - Offering thousands of products in categories such as Filtration, Instrumentation, Plumbing, Electrical, Industrial Supply, Manufactured Systems, PPE, and more.



The PRM Online Store (shop.prmfiltration.com) - Offering thousands of products in categories such as Filtration, Instrumentation, Plumbing, Electrical, Industrial Supply, Manufactured Systems, PPE, and more.

PRM maintains a stock of inventory that includes a large variety of equipment, instrumentation, and components for all types of filtration needs.

This allows for 24/7 access to filtration products, industrial items, hose, and fittings, with quick shipment and delivery to your project site.



SPARTOX OZONE SYSTEMS

*SPARTOX*TM by PRM Filtration



Ozone Remediation

PRM provides turnkey Ozone Remediation Systems implementing ozone, advanced oxidation process (AOP), and other technologies to most effectively treat your specific project requirements.



Ozone oxidation is one of the most effective water treatment processes and is environmentally friendly as ozone is produced onsite from oxygen and reverts back to oxygen after reacting with contaminants.

Falmouth Products



Catalytic Oxidizers

Falmouth Products specializes in the manufacture, sale and rental of catalytic oxidizers and remediation equipment for VOC removal. Catalytic oxidizers are used for treating vapor emissions from industrial process vapor streams and soil vapor extraction systems. For over 30 years, Falmouth Products has manufactured electric catalytic oxidizers with integrated designs to provide rugged, lightweight, and portable units that are easily installed and operated.



All FALCO units, whether for remediation or industrial applications, are put through rigorous testing procedures to ensure the safety and reliability customers have been receiving from FALCO for decades. No other electric catalytic oxidizer performs like a FALCO. Turn it on and monitor the destruction and operating costs of a FALCO. No competing unit comes close.

ASME Certified Vessels



ASME Certified Vessel Manufacturing

PRM was accredited in September of 2022 with Full Section VIII Approvals to manufacture ASME Certified Pressure Vessels. All designs are done in-house including Compress Modeling and Fusion 3D renderings. ASME AI (Authorized Inspector) provides third party inspection and approvals as required for your project demands. PRM holds the "U" and "R" stamp certifications to produce new and also the repair of pressure vessels. PRM has an in-house design staff for custom vessel production.



PRM's recent investments into the tank business include: a new 1000 Amp SubArc Welder which allows efficient, leak-free welds; tandem 20 ton overhead cranes, a complete new production building for tank fabrication, and CODEWARE software to ensure compliance with ASME VIII.

Field Services



Field Services and Installation Services

PRM has expert field crews and master technicians working on projects across the globe, utilizing many different technologies and configurations. We offer a wide range of installation services for electrical, environmental, and industrial projects.



Our goal is to ensure your systems are consistently operating at peak efficiency.

PRM Field Services offers the following:

- Turnkey Equipment and System Installation
- System Startup
- System Operations and Maintenance (O&M)
- Pilot Testing
- Episodic Mass Removal Events
- Training for System Operators and Field Technical Staff
- Remote and On-Site System or Component Troubleshooting
- Remedial System Assessments to Ensure Proper Operation and Critical Safety Mechanisms are in Place
- Development of Solutions designed to Eliminate Chronic Operational Issues and Optimize System Run Time
- PRM PROCARE which includes System Operations and Maintenance (O&M). PRM will provide a complete monthly system O&M for this system to ensure optimum system uptime and performance. PRM ProCare consists of monthly site visits to the site including doing factory filters and oil changes as required, and changing gauges and components if they become broken. For each system visit, the system. The Electrical

Control system shall be inspected and PRM will provide an operational report of the system during this visit.

- PRM PROACTIVE which includes daily logging into your site while providing weekly email reports of the logged monitoring activities.

PRM provides complete environmental remediation field services, including:

- Pilot testing and reporting with various remediation technologies
- Full groundwater treatment with permitting
- System installation
- System O&M
- Emergency repair

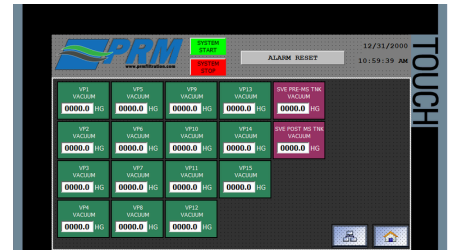
Control Panels, SCADA



PRM Control Panels, SCADA, and Telemetry

PRM Control Panels are designed and manufactured in-house, certified by a third party Nationally Recognized Testing Laboratory, and serviced by top level control shop technicians. PRM is one of the nation's few equipment integrators that is able to provide UL Certified control panels as well as Third Party Certified systems recognized in both the US and Canada.

PRM's certified control panels undergo rigorous testing to ensure safety and integrity, which is paramount in today's climate to reduce risk. PRM systems go through stringent procedures which exceed National Research Training Laboratory (NRTL) specifications and standards. Simply put - PRM systems are safer to operate and maintain.



SCADA - Your Window to Operations:

Supervisory Control and Data Acquisition (SCADA) allows you to control your system from a single touch screen mounted on the control panel, or from a remote location via PC or handheld device if properly configured with one of our wireless telemetry packages.

A SCADA system seamlessly integrates your system's controls and operational data in one place making it easier to operate and maintain. SCADA systems are typically integrated in every system we build, or can easily be integrated into your existing system as an upgrade.

PRM control system offerings include:

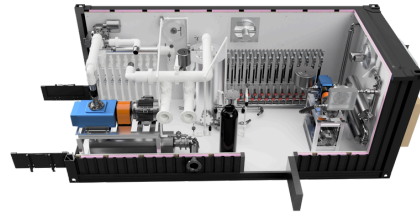
- Third Party Certified UL 508A and 698A control panels
- Full SCADA packages
- Telemetry packages – wired and wireless
- PRM high speed wireless service for connectivity
- Control design and full CAD capabilities
- Field diagnosis
- Retrofitting and upgrades
- Code compliance audits
- Control panel components and surge protection devices

Additional Benefits



SAFETY BY DESIGN

PRM is also one of the nation's only equipment integrators who are Third Party Certified to manufacture treatment systems and equipment to UL and NFPA standards. Keeping the promise of safety and security, PRM has a great team of 40-hour OSHA certified field personnel that will design and install your remedial system based on your project needs. Our team of qualified project managers, engineers, and technicians can perform routine maintenance and/or troubleshoot and repair any operational issues.



RENTAL SYSTEMS OR LEASE EQUIPMENT

PRM can provide you with rental systems or lease equipment for short or long term projects. Customized leases and terms allow you to meet specific project budgets and/or timelines.

3D MODELING

PRM now provides geometrically exact 3D modeled systems that give a true spatial representation of what your equipment will look like upon delivery. 3D models can be delivered as .STEP files to be added to existing assemblies. 3D modeling leads to more detailed and exact drawings, and can be completely reviewed online before approval to make sure you get exactly what you need.

PROJECT EXAMPLES



AURORA, NC

A utility building was pre-manufactured and insulated in a modular design to meet local code standards consisting of seven (7) modules, which when assembled constituted a 46' x 80' Central Utility Building for an industrial site. The finished system included dual 300 HP water chillers, dual 100 HP air compressors, a glycol chilling system, and a tepid water generation system for eyewash/safety shower appliances throughout the facility. The comprehensive system included a smoke and fire alarm system, HVAC, emergency ventilation, lighting, doors, safety elements, and all electrical components pre-wired. The system was completely pre-manufactured, assembled, tested at PRM's facility and then disassembled and transported to the site where it was reassembled, retested, certified, and commissioned. Contract Price: \$6,000,000

WOOD BUFFALO, ALBERTA, CANADA

PRM provided an aerobic landfill bioreactor that included full scale SCADA and a flare system. The system was housed in four (4) custom fabricated conex containers, and included quad 150 HP air injection blowers, and dual 40 HP gas extraction blowers. The 8000 SCFM candlestick flare was designed and manufactured by PRM. Full SCADA was designed to monitor over 1000 well points for temperature over a wireless mesh network. At the time of implementation in 2014, it was one of the largest landfill carbon reduction projects in the world. Contract Price: \$2,300,000



TEXARKANA, TX

PRM constructed multiple custom stainless steel rail car washing skids. Each system was manufactured on an open 304 stainless steel skid base. The systems were integrated into a Siemens HMI PLC control platform to allow the operator complete control of the washing cycles. All components on each skid were either 304 SS or 316 SS, and wired for Class 1 Division 2 hazardous locations. Contract Price: \$1,500,000

MONTVILLE, NJ

This SVE/AS system was housed in two 8' x 40' conex containers. One container housed the SVE systems with three (3) rotary claw vacuum pumps, and was rated for a Class I Division 2 location. The Sparge container housed two (2) rotary screw compressors and air dryers. This container included a separate enclosed room that contained the main circuit breaker panel and controls. Contract Price: \$422,000



GARFIELD COUNTY, CO

PRM constructed a multi-faceted, comprehensive groundwater treatment system. This system was equipped with two inlets (a gravity feed inlet and a vault pump pressure inlet), dual oil water separator pumps, and dual air strippers with regenerative blowers. The system was equipped with access ports installed above the oil water separator tank and both carbon vessels. . Contract Price: \$357,000

INDIANAPOLIS, IN

This multi-phase extraction and air sparging system was packaged in an 8' x 26' dual axle cargo trailer. The system included a moisture separator, 200 gallon water storage tank, and a PRM sliding tray air stripper that was located in the rear of the trailer. The system also included two (2) carbon vessels. The PLC control system was mounted to the exterior front of the trailer to allow additional space inside the trailer. Contract Price: \$200,000



RALEIGH, NC

PRM provided client requested upgrades to a landfill extraction blower system. Two additional extraction blowers were added to the existing skid unit. Variable Frequency Drives (VFDs) for each new blower motor were installed along with a new control panel for complete system operations. Additional equipment included an oxygen sensor, additional piping and valves, and a new condensate tank level transmitter. PRM poured two concrete pads and provided two carport enclosures, one for a new compressor and another enclosure for storage of miscellaneous site materials. All wiring on site was performed in accordance with requirements to meet the National Electric Code (NEC). Contract Price: \$245,000

BRITISH COLUMBIA, CANADA

This complete landfill gas extraction skid included an enclosed flare system. The system was fabricated on an 8' x 20' channel frame skid. A PRM carbon steel moisture separator was installed, along with a 40' tall enclosed landfill gas flare designed and manufactured by PRM to meet regulatory and landfill gas code requirements. The system controls were specifically designed for future integration with other control systems on site. All gas was channeled through three (3) large generator packages for >5MW of system output to the electric grid. Gas was treated through a Siloxane/H₂S control system. Contract Price: \$494,000



FAYETVILLE, NC

PRM provided a fully integrated and packaged reverse osmosis treatment system. The dual side-by-side conex containers (each 8' x 20' high cube design) were modified and joined together, in essence providing a single 16' x 20' site structure for housing the equipment. The system included two (2) stainless steel pumps with VFD, and control package with a PID loop from a pressure transmitter, and a 24,000 BTU HVAC mini-split system for interior heating and cooling/dehumidification. Contract Price: \$147,000

KEY PERSONNEL

Mel Phillips is the President of Product Recovery Management, Inc., (PRM) also referred to as PRMFiltration. He has over 30 years of experience in the electrical, environmental remediation services, construction, industrial/remedial equipment manufacturing, and System O&M sectors. For more than a decade Mel has served as the President of PRM and he has over 30 years with the company. This experience includes overseeing all aspects of the operation of the business as well as regular consultations with clients, staff, vendors, subcontractors, suppliers, regulatory agencies, etc. Mel and his teams have helped to take PRM and its subsidiaries to one of the largest and most respected companies in North America. PRM has also built their latest brand (PRMFiltration) which has focus on the eCommerce market for PRM. PRM's eCommerce platform has grown tremendously under Mel's direction and has proven to be a focus on corporate growth and profitability.

AREAS OF EXPERTISE

- Executive Business Operations
- Providing practical solutions to client projects related to remediation or Industrial treatment processes
- Review of Estimating complex construction and manufacturing projects
- Integrating manufactured equipment into client processes
- Design review of complete environmental remediation systems
- Supervision of construction of systems
- Principal overview of System Installations
- eCommerce Growth & Development
-

Brian Phillips is the Vice President of PRM. He has over 30 years of experience in the electrical, environmental remediation services, construction, industrial/remedial equipment manufacturing, and System O&M sectors. For more than a decade Brian has served as the Vice President of PRM and he has over 30 years with the company. Brian's primary focus is the manufacturing shop and ensuring that systems are being properly constructed and meeting compliance.

AREAS OF EXPERTISE

- Executive Business Operations
- Shop and Facilities Operational Overview
- Review of Estimating complex construction and manufacturing projects
- Design review of complete environmental remediation systems
- QC for systems in process and completed
- ASME Shop Quality Systems Overview and Supervision
- UL Control Shop compliance and overview

Dana Browne is the Senior Engineer for PRM. Mr. Browne has extensive experience with estimating, design, installation, operation, construction and permitting required for environmental remediation systems. He has

over 32 years of experience in environmental remediation services, construction, and industrial/ remedial equipment manufacturing, and 27 years with PRM.

Education:

B.S. Mechanical Engineering, Virginia Polytechnic Institute

M.S. Mechanical Engineering, Virginia Polytechnic Institute

Licensure, Training and Certifications:

Engineer in Training (EIT)

OSHA 29 CFR 1910.120 HAZWOPER 40 Hr. Training

AutoCad

AREAS OF EXPERTISE

- Supervision of construction, installation, operation and troubleshooting of remedial systems
- Preparation of competitive bids for projects up to \$2,500,000
- Remedial system design, specification, and material selection.
- Purchasing and installation of water and wastewater systems and components
- Permitting for building, zoning, and electrical
- Heavy equipment and machinery associated with remedial system installations.
- General construction, framing, plumbing, electrical, concrete and landscaping trades.
- Preparation of mechanical schematics.
- Performance of AS/SVE pilot and pump tests

Chris Phillips, P.E. serves as a Project Manager and Senior Engineer completing designs and schematics for client submittals and shop fabrication. Mr. Phillips has gained extensive experience in the design, management, fabrication and programming of various industrial process and environmental remediation equipment working with PRM over the past 10 years.

Education:

B.S. Mechanical Engineering, East Carolina University

Licensure, Training and Certifications:

NC Professional Engineer

National Society of Professional Engineers

AREAS OF EXPERTISE

- Project management & client relations

- Engineering design of industrial and environmental equipment.
- PLC and HMI programming
- Evaluation of remediation technologies
- Equipment design and prototyping
- Selection of remediation components & equipment.
- Preparation of comprehensive project submittal packages and drawings for client approval.
- Preparation of detailed shop drawing, component specifications and bills of material for manufacturing team.
- Performs comprehensive evaluation of submittal packages to ensure proposal is practical, accurate and conformance with the client's needs.
- Flair stack designs
- Load calculations, FEA
- Sheet metal fabrication
- Advanced oxidation process

Scott Lato, P.E. serves as the SpartOx Division Manager and Senior Engineer and has worked for PRM for 3 years. Mr. Lato has over 23 years of progressive experience in the environmental site assessment and remediation field, 18 of which in a branch/division management capacity. This experience includes various site assessment techniques including but not limited to hand methods, DPT, hollow stem auger, mud rotary, diamond core barrel, and sonic. In addition to the assessment segment Mr. Lato has extensive experience in the pilot testing, design, construction, O&M, and associated reporting of various remedial strategies including but not limited to air sparge, SVE, MPE, ozone injection, In-situ chemical oxidation, large diameter auger excavations (cased and uncased), conventional excavation, underpinning, dewatering, innovative technologies, and combined strategies. Additionally, Mr. Lato has been the engineer of record on numerous remedial projects in excess of \$1M.

Mr. Lato currently heads up PRM's Spartox Division of PRM which integrates ozone, UV, RO and AOP solutions to meet clients' diverse industrial requirements.

Education:

B.S. Civil Engineering, Florida State University

Licensure, Training and Certifications:

FL Professional Engineer - License No. 61735

GA Professional Engineer - License No. 033529

AL Professional Engineer - License No. 33801

8-hour OSHA Refresher

OSHA 29 CFR 1910.120 HAZWOPER 40-Hr Training

ATC Energy Control and Electrical Safety Training Level 1, 2 & 3 Operator.

FDOT #BT-05-0078, Intermediate Work Zone Traffic Control Course.

OSHA 29 CFR 1926 Excavation Competent Person Training

FDEP Field Sampling Training Course for Groundwater/ Soil, Surface Water, Waste Water, Sediment, UltraTrace Metals, and Biology/ Habitat.

University of Florida, TREEO Center, Hands-On Field School For Petroleum Contaminated Site Assessment and Cleanup

Florida Association of Environmental Professionals (FAEP)

Florida Groundwater Association (FGWA)

Environmental Committee Informal Coalition of Environmental Professionals (ICEA) – Budget Chair

International Ozone Association

AREAS OF EXPERTISE

- Environmental Site Assessment
- Pilot Testing Design & Implementation
- Remedial Design & Construction
- Equipment & Construction Estimating
- Operation and Maintenance
- Phase I & II ESAs
- SPCC Plans
- Operational Management

Keith Townsel, P.G. has over thirty-six (36) years of progressive experience in the environmental site assessment and remediation field, twenty-two (22) of which in a division, branch, or corporate management capacity. This experience includes various site assessment techniques including but not limited to hand methods, DPT, hollow stem auger, mud rotary, diamond core barrel, and sonic. In addition to the assessment segment Mr. Townsel has extensive experience in the fueling systems construction and repairs and retrofitting as well as various facets of senior management of environmental construction activities including source removals, system installations, demolitions, underground storage tank removals and installations, chemical oxidation implementation, dewatering, innovative technologies, and combined strategies. Additionally, Mr. Townsel has worked in a corporate level management role where he was responsible for all facets of the operation of a \$15+M/ yr full service environmental consulting firm with an in-house construction division. Mr. Townsel has extensive experience navigating various state regulatory agencies as it pertains to fueling systems & associated compliance as well as environmental regulations and trust fund programs throughout the country.

Mr. Townsel recently joined PRM as the Southeast Field Services Manager to expand our in-house construction division into the southeast US as well as assist with various customer service-related functions as they pertain to remedial equipment rentals, sales, installations, and service needs.

Education:

B.S. Geology, University of South Florida

Licensure, Training and Certifications:

FL Professional Geologist, License No. 1420

GA Professional Geologist, License No. 1423

AL Professional Geologist, License No. 217

MS Professional Geologist, License No. 0379

IN Professional Geologist, License No. 2128

PSSSC, PCC 056844

8-hour OSHA Refresher

OSHA 29 CFR 1910.120 HAZWOPER 40-Hr Training

8-hour OSHA Supervisory Training

Univ. FL - Certificate in Groundwater Modeling

AREAS OF EXPERTISE

- Corporate Management
- Program Management
- Senior Level Project Management
- Environmental Site Assessments
- Remedial System Construction
- Equipment & Construction Estimating
- Licensed Pollutant Storage System Specialty Contractor
- Fueling System Design, Construction, Maintenance, Repairs & Compliance

Kevin Clifton is PRM's Controls Department Manager and has over 24 years of progressive experience with PRM in the building of UL third party listed control panels, electrical circuitry layout, design and schematics, wiring, circuitry, transmitters, instrumentation, programmable logic controller (PLC) programming, networking, cellular networks, cross network integrations, as well as advanced electrical and PLC troubleshooting. Mr. Clifton's PLC installation, programming and troubleshooting experience spans various PLC platforms including but not limited to Siemens, Allen Bradley, Unitronics, EOS Research, Sensaphone, and often includes custom job specific programming.

Mr. Cliftons programming experience includes the following software packages:

- Siemens Simatic Manage V5.4
- Siemens WinCC Flex Advanced
- Siemens TIA Portal V11/V12
- Siemens Logo Soft V7.0

- EOS Research Proview
- Multiple Sensaphone Products/SCADA systems
- Allen Bradley PICO Soft

Licensure, Training and Certifications:

Siemens TIA Programming 1/2/3

OSHA 29 CFR 1910.120 HAZWOPER 40-Hr Training

CPR Certified

AREAS OF EXPERTISE

- Project delivery, implementation, and operation
- Providing practical solutions to client challenges
- Integrating manufactured equipment into client processes
- PLC Troubleshooting
- Panel Design/Terminating
- Relay Logic
- AutoCAD
- Variable Frequency Drives (VFDs)
- Electrical Installations
- Controls and SCADA