



A PARTNER FOR YOUR PROCESS

NEW INSTALLATIONS
CAPITAL IMPROVEMENTS
INDUSTRIAL MAINTENANCE
PLANT SHUTDOWNS & OUTAGES

www.sefasolutions.com | 844.854.0132



SEFA Industrial Solutions is an industrial construction and installation partner to general contractors, engineering firms, and manufacturing, industrial, and utility companies.

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MECHANICAL

ELECTRICAL

INSTRUMENTATION & CONTROLS

FABRICATION

Working as a partner for your process

With decades of experience in industrial operations, we provide trusted guidance and realistic expectations at every stage of installation.

Installing integrated systems

Technical scopes are streamlined for the highest efficiency and a smooth project experience.

Prioritizing safety and quality

Our priority is delivering the highest quality installation in the safest construction environment.

SAFETY FIRST

The safety of our employees, customers, and communities is our highest priority. Our comprehensive safety program trains, reinforces, and recognizes safe behavior.

Life Saving Rules

Protecting workers from injuries by defining requirements for high-risk activities

Policies and Procedures

Requiring employees to comply with our safety program and those of our customers

Training

Requiring all employees to complete job-related safety training, testing, and hands-on skills assessments before they begin work

Job Hazard Analysis

Identifying and mitigating hazards for each project

Pre-Job Briefs

Discussing daily work as a team to clarify the scope, tasks, hazards, and mitigation

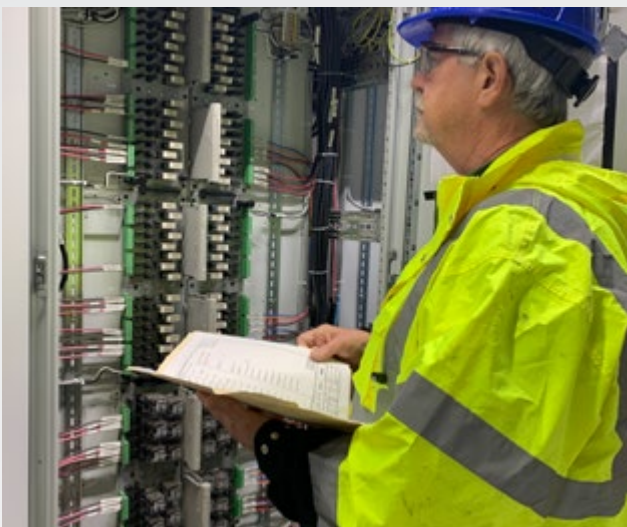
Individual Work Area Assessments

Planning each task to identify critical steps, hazards, and ways to make tasks safer

Site Inspections and Audits

Performing scheduled and random safety inspections to ensure compliance with site safety procedures





QUALITY RESULTS

Our Quality Management program assures that customer requirements are planned, communicated, and implemented.

Contract Reviews

Documenting and integrating customer requirements and specifications into project planning and execution

Process Controls

Establishing procedures and communications to coordinate and maintain maximum productivity

Inspections and Testing

Identifying, recording, and reporting at required quality hold points to deliver desired outcomes

Quality Document Control

Managing and verifying the accuracy of as-built drawings, material specifications, and inspection and test reports for final turnover to the customer



PROJECT MANAGEMENT

We build strong working relationships and deliver long-term value for the companies we serve. From kickoff to completion, our procedures for scheduling, tracking, and communication keep customers current on project status.

An Experienced Team

Good builds begin with good builders. We continuously seek to improve project quality by assembling an experienced team that share a like-minded commitment to our company values of safety, service, teamwork, excellence, and trust.

Project Managers

With decades of experience in the construction, operation, and maintenance of industrial systems, our project managers work to understand your project, meet schedules, and deliver positive outcomes.

Supervisors

Guiding each project from kickoff to commissioning, our project supervisors have an ability to handle complex installations and organize sequential tasks. Supervisors are assigned based on the project requirements.

Skilled Labor

Skilled craftsmen are vital to making sure we exceed customer expectations. Apprentices, journeymen, master technicians, and craft supervisors take a personal responsibility to work safely and provide quality results.

Pre-Construction

We thoroughly review scope, clarify project goals, and provide preliminary schedules and budgets.

Mobilization

Upon award, we confirm and finalize schedules, budget, quality requirements, and safety plans.

Execution

Our team works with an informed understanding of the project structure and critical path.

SOLUTIONS

As owners of our own industrial recycling facilities, we approach each project with a long-term perspective that is second nature. From installation to improvement, our integrated capabilities allow us to better plan and complete complex projects.

New Installations

For new facilities, our team installs industrial process and material handling systems and equipment. From kickoff to completion, we serve as an efficient, single-source provider for integrated scopes requiring mechanical, electrical, and instrumentation and controls expertise.

Our new installation solutions include:

- Equipment unloading, rigging, and assembly
- Mechanical, electrical, and instrumentation & controls installation
- Equipment, piping, and steel fabrication and installation
- Testing and calibration
- Start-up and commissioning



Capital Improvements

For equipment upgrades, product line expansions, and throughput improvements, we understand that capital projects contribute to the strategic growth of our customers. We work seamlessly with facility management, planning teams, operations, and maintenance departments to help achieve the return on these critical investments.

Industrial Maintenance

For planned projects or emergency repairs, we analyze, recommend, and install solutions that address maintenance needs and help extend the life of equipment.

Field Solutions

- Provide qualified short and long-term maintenance personnel
- Manage planned and unplanned maintenance projects
- Troubleshoot system and equipment issues
- Assist with emergency repairs and improvements

Fabrication Solutions

- Fabricate components and equipment to design specifications
- Repair components at the customer facility or our fabrication center
- Install wear lining materials and components
- Evaluate equipment and provide solutions to improve maintenance



Plant Shutdowns & Outages

We collaborate with customers to evaluate critical needs, prioritize tasks, and finish work during the designated time frame.

Strategic Scheduling

To maximize efficiency, we organize interdependent tasks and identify activities to complete in advance.

Consistent Project Delivery

Standardized processes guide the management of safety, quality, schedule, and cost.

Skilled Craft Teams

Shutdown & outage teams consist of full-time employees who have the knowledge and skills to install and repair industrial equipment that meets or exceeds customer expectations.

SERVICES

Our integrated technical services streamline system installations to deliver the highest overall value and a smooth project experience.

MECHANICAL | ELECTRICAL | INSTRUMENTATION & CONTROLS | FABRICATION

Mechanical

Field installation of process equipment and systems for new facilities, product line expansions, and repair or replacement projects



Piping Systems

Piping projects can be fabricated in-house and shipped for final installation by our field team.

- Process and steam piping (stainless, carbon, titanium, specialty alloys, CPVC)
- Pipe supports
- Process skids

Bulk Material Handling Equipment

As specialists in material handling and conveying systems, our operation insights make a difference in helping customers improve throughput.

- Silos, hoppers, and bottom bins
- Conveyors (screw, drag chain, and gravity)
- Pneumatic conveying lines (dilute and dense phase)
- Baghouses and dust collectors
- Blowers
- Chutes and ductwork

Pressure Vessels and Tanks

Our ASME certifications ensure that pressure vessel and tank projects meet the required safety and quality standards.

- Unfired pressure vessels
- Tanks
- Connected process equipment

Process Equipment

From rigging and setting to assembly and connection, we work with customers and OEM providers to install or relocate equipment.

- Production and assembly line equipment
- Packaging equipment
- Chillers
- Compressors
- Pumps
- Ladders, platforms, and handrails



Electrical

Start-to-finish electrical installation of power distribution equipment, process controls, and building system infrastructure



Power Distribution Systems

New installations, upgrades, and maintenance are completed by a knowledgeable team that understands the complex configurations of industrial electrical systems.

- Raceways, including conduit, cable tray, cable tray supports, and other structural components
- Low and medium voltage electrical cabling, terminating, and testing
- Transformers, substations, panelboards, motor control centers (MCCs), switchgear, and busway
- Cast-in-place electrical duct bank
- Auxiliary power equipment
- Fiber-optic systems

Building System Infrastructure

We install, upgrade, and connect electrical systems that improve plant safety and productivity.

- Emergency and standby power, including UPS inverters, automatic transfer switches, converters, and battery systems
- Lighting
- Communications systems
- Grounding and lightning protection systems



Instrumentation & Controls

Procurement, installation, and commissioning of I&C systems for monitoring process conditions and maximizing continuous process performance



Equipment and Process Controls

For the hundreds of machines driving an industrial or manufacturing operation, customers can rely on our equipment and process knowledge to make the balance of power possible. From the field to the control room, we install the devices required to monitor and control connected systems.

Control Systems Expertise

- Distributive Control Systems (DCS)
- Programmable Logic Control Systems (PLCs)
- Electrical controls
- Continuous Emission Monitoring Systems (CEMS)

Equipment Installation

- Instrumentation
- Alarms, controllers, and sensors
- Variable Frequency Drives (VFDs)
- Control panels

Fabrication

Shop and field fabrication of piping, structural steel, material handling equipment, vessels, tanks, and complete assemblies



Process and Steam Piping

Our fabrication center has designated spaces for stainless steel and carbon steel pipe fabrication to keep production organized and efficient.

- Stainless steel
- Carbon steel
- Titanium
- Other specialty alloys

Structural Steel Components

With 2D and 3D software modeling capabilities, we are equipped to prepare projects for efficient fabrication.

- Pipe bridges and pipe racks
- Equipment supports
- Catwalks, platforms, and handrails

Material Handling Equipment

We craft tailored solutions that address maintenance and reliability challenges.

- Mechanical and pneumatic conveying equipment
- Fuel and transfer chutes
- Process ductwork
- Hoppers
- Hangers

Pressure Vessels and Tanks

For new vessels, repairs, and alterations, Quality Control verifies and documents each step to make sure specifications and standards are met.

- Unfired pressure vessels
- Shop-assembled tanks
- Ladders, platforms, and handrails



Custom Wear Linings

For new installations, repairs, or replacements, we research lining options and recommend the best value products for customer operating conditions.

- Ceramic linings (alumina, reaction bonded silicon carbide, and sintered silicon carbide)
- Ultrahigh molecular weight (UHMW) linings
- Weld overlay (chrome carbide, tungsten carbide)
- Other abrasion-resistant linings



Certifications

SEFA holds ASME S and U certificates, and an R certificate from the National Board of Boiler and Pressure Vessel Inspectors (NBBI). Welding procedures and welders are qualified to the requirements of ASME Boiler and Pressure Vessel Code Section IX and AWS D1.1.

INDUSTRIES SERVED

Automotive & Tire

Chemical

Fiberglass

Food & Beverage

Manufacturing & Industrial

Mining & Minerals

Pharmaceutical

Plastics

Power Generation

Pulp & Paper

Steel

Wood & Forestry

Let's Talk About Your Next Project!

WILEY BLANKENSHIP

Vice President

wblankenship@sefagroup.com

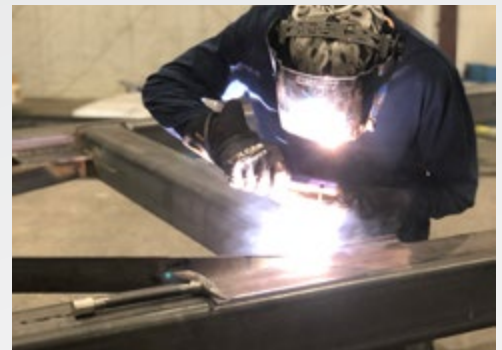
(678) 276-5426

TERRY V. WILLIAMS

Business Development Manager

terry.williams@sefagroup.com

(803) 960-2342



480 Frontage Road, Gaston, SC 29053
844.854.0132 | www.sefasolutions.com