

Southern Industrial Constructors

We Keep Industry in America Producing.
An Innovative, Award-winning Industrial
Construction Services Company



A leading provider of turnkey industrial construction, plant installation, plant relocation, and plant maintenance services.



Southern Industrial Constructors

We Keep Industry In America Producing.

For over six decades, Southern Industrial Constructors (SIC) has been proud to help install and maintain the manufacturing and industrial base that has fueled growth across the Southeast and beyond. In doing so, we have grown from a Carolinas-based crane and rigging company into a leading provider of turnkey industrial construction and plant maintenance services.

At Southern Industrial, it's not about shortcuts. It's about—

Safety:

We put safety first in all we do—training, planning and execution.

Quality:

We plan, track and execute every job to meet or exceed your expectations.

Productivity:

We plan our work and work the plan by focusing on the details of pre-planning, schedule, setup, deploying trained workers with the right tools and equipment and the correct degree of instruction and supervision.

Value:

By doing all of these things well and seeking continuous improvement, we deliver value to our customers.



EMCOR VALUES

MISSION FIRST

INTEGRITY

In everything we do

DISCIPLINE

Execution with precision, efficiency, competence and professionalism

TRANSPARENCY

Sharing information to facilitate communication

PEOPLE ALWAYS

MUTUAL RESPECT AND TRUST

Treating people with dignity and consideration and encouraging openness and cooperation

COMMITMENT TO SAFETY

Zero accidents

TEAMWORK

Working together to develop and unleash our full potential to achieve exceptional results for our customers and shareholders



Any project. Small or large.

WHAT WE DO

Industrial Construction

SIC is a merit shop, multi-discipline/multi-craft industrial constructor that specializes in self-performing projects at manufacturing, process, and power plants—regardless of whether it's the “grassroots” construction of a new plant or the expansion, modification, or upgrade of an existing facility—including shutdowns and turnarounds.

Additionally, with a workforce averaging over 2,300 people, SIC bids and self-performs the following scopes of work on turnkey multi-discipline/multi-craft projects, or as separate single-discipline/single-craft projects:

- » Mechanical: machinery installation and relocation, equipment setting, rigging and millwrighting
- » Mechanical: process and utility piping/process ductwork
- » Electrical: power, instrumentation, and controls
- » Civil: concrete construction, precision and heavy foundations
- » Structural: steel fabrication and erection
- » General: building construction, deconstruction, and demolition
- » Subcontract management (insulation, painting, etc.)

Plant Installation

Whether it's one machine, a whole production line, an entire industrial process system, or a complete plant, SIC installs machinery, equipment, and systems wherever they're needed. Services include:

- » Pre-construction planning and budgeting
- » Project management and scheduling
- » Logistics: receiving, off-loading, and storage
- » Temporary off-site warehousing
- » On-site laydown
- » Inventory management
- » Site preparation and equipment layout
- » Mechanical: machinery installation and relocation, equipment setting, rigging and millwrighting
- » Mechanical: process and utility piping, process ductwork
- » Electrical: power, instrumentation, and controls

- » Civil: concrete construction, precision and heavy foundations
- » Structural: steel fabrication and erection
- » General: building construction, deconstruction, and demolition
- » Unloading, uncrating, and staging
- » Setting, aligning, and leveling
- » Installation and connection of mechanical and electrical
- » Commissioning and run-in

Plant Relocation

Whether it's moving one machine across town or a whole plant across the country, or even if it's just moving equipment from one part of the plant to another, SIC can relocate and consolidate virtually anything a customer needs.

- » Pre-relocation planning and budgeting
- » Project management and scheduling
- » Performance of all work at the source plant(s):
 - Disconnection and disassembly
 - Match-marking, drawings, diagrams, and instructions for reassembly
 - Rigging and removal
 - Demolition and scrap recovery
 - Plant decommissioning
- » Logistics: manage and coordinate
- » Machinery preparation: steam cleaning, painting, and refurbishment
- » Crating, packaging, manifesting, and loading
- » Transporting: truck, rail, barge, ship, or plane
- » Freight forwarding, warehousing
- » Performance of all work at destination plant(s)
- » Receiving, off-loading, and storage
 - Temporary off-site warehousing
 - On-site laydown
 - Inventory management
- » Site preparation and equipment layout
 - Mechanical: machinery installation and relocation; equipment setting, rigging, and millwrighting
 - Mechanical: process and utility piping, process ductwork
 - Electrical: power, instrumentation, and controls

INDUSTRIAL CONSTRUCTION+ MAINTENANCE

PLANT INSTALLATION+ RELOCATION

From four branch locations in the Carolinas, SIC performs everything from small day jobs, to installing, maintaining, and moving entire plants in multiple states.





- Civil: concrete construction; precision and heavy foundations
- Structural: steel fabrication and erection
- General: building construction, deconstruction, and demolition
- » Unloading, uncrating, and staging
- » Setting, aligning, and leveling
- » Installation and connection of electrical and mechanical
- » Commissioning and run-in

Plant Maintenance

SIC provides plant maintenance services to facilities.

- » Total plant maintenance: full-service facility maintenance management
- » Contract plant maintenance: dedicated on-site personnel and supervision
- » Supplemental maintenance: all disciplines and crafts
 - Machinery maintenance and repair
 - Hydraulics
 - Pneumatics
- » Controls: ladder logic and programming
- » Mechanical maintenance: HVAC, process, and utility piping
- » Electrical maintenance
- » Preventative, predictive, and reliability-centered maintenance
- » Total productive maintenance (TPM): TQM, Kaizen, 5S, Lean, and Six Sigma
- » Planning and scheduling
- » Small capital projects
- » Subcontractor management
- » Computerized maintenance management systems (CMMS)
 - Work order management
 - Tools, materials, and parts management
 - Metrics, key performance indicators (KPIs), and benchmarking
- » Procurement and subcontractor management
- » Logistics: shipping, receiving, kitting, and Kanban
- » Capital projects, shutdowns, turnarounds, and planned outages

Crane Services

Southern Crane— A Full-Service Crane Company

Southern Crane, an operating division of Southern Industrial Constructors (SIC), is one of the oldest and largest full-service crane and rigging companies in the Southeast. Southern Crane provides full-services operations from Raleigh and Wilmington, North Carolina, and Columbia, South Carolina.

- » Hydraulic and conventional cranes
- » Turnkey engineered crane lifts to 1,000 tons
- » Turnkey crane and rigging services
- » All operators are NCCCO certified
- » 24-hour and emergency service
- » Trucking services
- » Boom trucks – 28 ton to 35 ton
- » Truck cranes – 40 ton to 110 ton
- » All-terrain cranes – 90 ton to 600 ton
- » Crawler cranes – up to 1,000 ton
- » All cranes are state-of-the-art and certified annually
- » Hourly, daily, weekly, and monthly rates



HOW WE DO IT

Machinery Installation and Relocation/Equipment Setting/Rigging and Millwrighting

- » Machinery installation and relocation; equipment setting at manufacturing, process, and power plants
 - Heavy and oversized machinery in industrial environments
 - High-tech and sensitive equipment in cleanrooms
 - One machine to an entire plant
- » Rigging
 - Hoisting, lifting, jacking, sliding, rolling, and erecting machinery, equipment, and structures
 - Using specialized rigging equipment and experienced riggers
 - Heavy forklifts and cranes
 - Gantry systems, A-frames, and lifting beams
 - Jack and slide systems
 - Heavy duty dollies and die carts
 - Heavy chain falls, hoists, rigging gear, etc.
- » Millwrighting
 - Installing, setting, aligning, and leveling machinery and equipment
 - Dismantling, refurbishing, reassembling, and moving machinery and equipment
 - Close tolerance and precision alignment (optical and laser)
- » Logistics
 - Receiving/shipping
 - Off-loading/loading
 - Uncrating/crating
 - Machinery preparation: steam cleaning, painting, and refurbishment
 - Transporting: truck, rail, barge, ship, or plane
 - Heavy and specialized hauling
 - Freight forwarding/warehousing

Unrivaled Performance. Impeccable Service.

Process and Utility Piping/Process Duct

SIC has extensive experience installing and modifying process and utility piping systems and process duct—shop or field fabricated to customers' plans, specifications, and code requirements. SIC experts hold National Inspection Board Code "R" Stamp certifications.

Specialties include:

- » Carbon, stainless (austenitic and duplex), nickel alloys, and other specialty alloys
- » Chemical process
- » Compressed air
- » Condensate
- » Fuel oil
- » Gas
- » Hydraulic
- » Steam
- » Water

Electrical Power, Instrumentation, and Controls

SIC installs and modifies electrical, power, instrumentation, and controls systems at manufacturing, process, and power plants.

Services include:

- » Turnkey electrical installations of new systems
- » Modifications and upgrades to existing systems
- » Removal, deconstruction, and demolition of old systems
- » High-, medium-, and low-voltage power
- » Substations, switchgear, and other power distribution gear
- » Motor controls of all types: MCCs, VFDs, solid-state starters, etc.
- » Electrical instrumentation and process control systems
- » DCS and PLC systems
- » Networking systems and fiber optics

Concrete Construction

- » Precision concrete
- » Heavy foundations and embeds
- » Piers and elevated platforms
- » Structural form work
- » Pits, shoring, and dewatering
- » Slab on grade
- » Elevated slab on deck
- » Concrete saw cutting and demolition
- » General construction and demolition

Steel Fabrication and Erection

- » Structural fabrication and erection
 - Towers
 - Mezzanines
 - Stairs
 - Catwalks
 - Handrails
 - Supports
 - Skids
- » Sheet and plate fabrication and installation
 - Tanks
 - Bins
 - Hoppers
 - Hoods
 - Duct
 - Transitions
 - Breechings
 - Enclosures
 - Machine Guards
- » Fabrication performed in carbon, stainless, aluminum, and special alloys
- » Shop and field fabrication and erection
- » Custom fabrication of skid-mounted process machinery, process/motor control centers, and operator enclosures



INDUSTRIES SERVED

- » Manufacturing, process, and power industries
- » Aerospace
- » Aggregates, minerals—mining, processing and distribution
- » Asphalt, concrete and concrete block
- » Automotive
- » Building materials—engineered wood, wallboard, etc.
- » Cement—manufacturing and distribution
- » Ceramics—brick, china, glass, fiberglass, etc.
- » Chemicals
- » Cosmetics
- » Environmental—pollution control
- » Food and beverage
- » Microelectronics and semiconductors
- » Nonwovens
- » Pharmaceuticals and biotechnology
- » Plastics and film
- » Power—generation, cogeneration and alternative energy
- » Pulp and paper—manufacturing and converting
- » Steel and metals
- » Textiles and synthetic fibers
- » Tire and rubber
- » Tobacco
- » Wire and cable





Southern Industrial Constructors

An EMCOR Company

We Keep Industry in America Producing.

How Can We Help You?

Corporate Office

6101 Triangle Drive, Raleigh, NC 27617-4717
T 919.782.4600 F 919.782.2935
www.southernindustrial.com

Raleigh Office

6101 Triangle Drive, Raleigh, NC 27617
T 919.782.4600 F 919.782.2935

Columbia Office

200 Planters Drive, Columbia, SC 29209
T 803.796.3072 F 803.796.6600

Wilmington Office

136 Roymac Drive, Wilmington, NC 28401
T 910.762.2482 F 910.762.7536

Greensboro Office

114 Landmark Drive, Greensboro, NC 27409
T 336.605.7900

Atlanta Office

741 Harry McCarty Road, Suite 101
Bethlehem, GA 30620
T 678.963.5179



Harnessing the Power of a Fortune 500® Leader

A Fortune 500® company, EMCOR Group, Inc. (NYSE: EME) is a leader in mechanical and electrical construction, industrial and energy infrastructure, and building services. EMCOR specializes in planning, installing, operating, maintaining, and protecting the sophisticated and dynamic systems that create facility environments.

This includes systems such as electrical, mechanical, lighting, air conditioning, heating, security, fire protection, and power generation. With over 180 locations and approximately 33,000 skilled employees, EMCOR works in virtually every sector of the economy for a diverse range of businesses, organizations, and government agencies.

Safety that Beats the National Average

EMCOR's safety performance consistently remains strong year after year with a current rate that surpasses competitors 60-75% and ranks 66% lower than the Bureau of Labor Statistics industry average.

(Source: Bureau of Labor Statistics Industry Average for Specialty Contractors NAICS 238, 2012-2017)

Working Together **Safely**

 **Southern Industrial**
Constructors
An EMCOR Company