

SEI-GROUP




DESIGN • BUILD • MECHANICAL CONTRACTOR



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ENGINEERING SOLUTIONS

SEI has built a reputation for developing innovative engineered solutions to complex problems. Our staff of Mechanical, Civil, Structural, Chemical and Electrical Engineers are involved in all aspects of our organization, from sales through project execution, enabling us to partner with our clients to address their project specific challenges and goals. Our team of more than 50 engineers, designers and technicians have a broad experience base and stand ready to assist you with all phases of your project, from conceptual design and budget development through equipment sourcing, installation and commissioning.



CONSTRUCTION SOLUTIONS

As a company who has spent the past 45 years installing equipment and systems in the industrial market, SEI is well positioned to build your next project. SEI specializes in Design Build, EPC and General Contracting within the utility and industrial sector. We have been a technology provider, a technology integrator and BOP Design Build Contractor. Fast paced, retrofit projects at existing facilities is our niche, representing a core competency of our group's success. **Let us build your next project.**



FABRICATION SOLUTIONS

"If we don't have it, we'll find it. If we can't find it, we'll make it." This has been our philosophy since SEI-Group began in 1973. Fabrication is where we started and it is still one of our foundations today. Providing domestic and international industrial metal fabrication and construction services means that we do not have to rely on others to make what we sell. Our 10-acre complex houses the equipment needed to do virtually any type of metal fabrication. Onsite sandblast and paint facilities as well as a 10,000 ft² warehouse facilitates storage of large fabrication orders and our fleet of trucks allow us to maintain complete control of quality from time of purchase to final installation.



CONSULTING SOLUTIONS

"You don't know what you don't know." As a customer of SEI-Group, we want you to succeed and are ready to do what we can to make that happen. Sometimes you may not know what that is, but we do. Our seasoned engineers and technicians are available to assist you in managing challenges as they arise, whether they be regulatory, budget, time or space related. Our regional managers are eager to sit down with you, listen to your needs and to discuss options that you may or may not have considered. Let us do the research, find the solution and handle it. We can help with construction, air pollution control, water infrastructure and expansion evaluations just to name a few. We are here to help.



Air Pollution Control **SOLUTIONS**

Dry Electrostatic Precipitators

SEI provides effective and efficient particulate control with new, upgraded or rebuilt electrostatic precipitators. We can provide every service from engineering a totally new turnkey unit to providing the smallest replacement part. SEI provides tuning inspections, upgrades, repair and maintenance on virtually every type of system.

Wet Electrostatic Precipitators

SEI's Membrane Wet ESP is unique, offering significant technical advantages. The polypropylene fabric collecting electrodes are cleaned continuously, reducing frequency of flushing and down time. This design will save time and money over other systems.

Fabric Filters

SEI fabric filters are designed to be more than just a particulate collection device. With more than 25 years of fabric filter design and supply experience, these systems incorporate the removal of particulate, acid gases, mercury and other toxins.

Consulting, Parts and Services

No matter the complexity of your problem, the SEI Parts and Service team can help you with trouble shooting, inspections, component replacement, rebuild or upgrade challenges. This group is focused on your production and budget goals.

Mechanical Contracting **SOLUTIONS**

With more than 45 years of industrial contracting experience, SEI is well suited to build your next project.

- Industrial buildings
- Machine rooms
- Air and water pollution control systems
- Material handling systems
- Fans
- Catalyst change out
- Air pre-heater basket change out
- Dampers and expansion joints
- Silos and stacks
- Wood yard projects
- Access - platforms, gates, etc.

SEI is licensed to work in the contiguous 48 states.



Medical Waste Incinerator System



Material Handling System



Waste Water Treatment



Dry Sorbent Milling System



Custom Fabrication, Construction & Duct **SOLUTIONS**

*"If we don't have it,
we'll find it.
If we can't find it,
we'll make it."*

Fabrication Facility

SEI is a complete in-house design build mechanical contractor, providing domestic and international industrial metal fabrication and construction work. Our 10-acre campus facilitates storage of large fabrication orders. Company trucks allow us to remain in complete control of quality from time of purchase to final installation. When a project is awarded, your company can be assured it will receive the highest quality of service at each phase of design, fabrication, shipping and installation.

Construction Services

45 years installing and replacing pollution control equipment has given us the experience and know-how to be your go-to organization for your construction needs. Whether it be installing our own system or someone else's - we can help. SEI specializes in Design Build, EPC and General Contracting within the energy, pulp, paper, refining and other industrial facilities.

Duct Capabilities

SEI has been designing ductwork for more than thirty years. Nearly every one of our projects has plenum or ductwork modifications included as part of the scope. Since we always include physical airflow and CFD modeling as part of our ESP and Fabric Filter designs, it is easy to also include duct modifications in the model study. If we are designing stiffening requirements for existing equipment, we can easily add the duct to that study as well. SEI routinely includes structural support steel and foundations for ductwork in its scope of supply.



About SEI-Group

Founded in 1973, SEI has served the energy, pulp, paper, refining and other industrial markets heavily for more than 45 years. SEI-Group is comprised of three operating units: Southern Environmental, Inc., Southern Erectors, Inc. and Thermal Systems Group. These business units are integrated into a tightly knit group that self-performs vertically integrated industrial projects with an emphasis on liquid and air distribution systems.

Operating on a global scale, SEI's focus has been on Air and Water Quality Control Projects. The design, manufacture and construction of particulate control equipment and related infrastructure represent SEI's core product lines. Over the past 45 years, SEI has engineered, supplied and installed the following systems:

- Dry Electrostatic Precipitator
- Wet Electrostatic Precipitator
- Baghouse
- Dry Sorbent Injection
- Scrubber
- Material Handling
- Machine Room and Building Ventilation
- Waste and Process Water
- Power and Control Upgrades

Within SEI, we host a myriad of design, manufacturing and installation skill sets:

- Chemical, Civil, Structural, Mechanical and Electrical Engineering Teams
- Process Solution Consultants
- Inspection Engineers
- Custom Steel Fabrication
- Mechanical Installation and Maintenance Crews

Maintenance and Service represent a significant portion of SEI's contribution to our customers. SEI has an active replacement parts team that works closely with our process engineers to ensure that our customers receive the correct replacement component for any given process. In addition, our maintenance crews travel throughout the United States, providing inspection, repair and replacement services on a variety of equipment with specialization in particulate control equipment. This team within SEI-Group actively supports our customers as they plan and budget scheduled outage activities.



National Board "R" Stamp Certified | ASME "U" Stamp Certified



Internationally, SEI-Group has performed projects in Antarctica, Argentina, Bolivia, Brazil, Canada, China, Colombia, India, Mexico, Qatar, Russia, Singapore, South Korea, Sweden, Taiwan and Thailand.