

Suruchi engineering & consultancy



COMPANY PROFILE

2021



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WELCOME

Message from the Proprietor

SEC. is a highly diversified, multidisciplinary contractor and an industry leader in tank fabrication, and pipeline fabrication. Our team has earned its place in today's competitive market through a combination of our core beliefs and the consistent delivery of superior services and quality end products. The individualized care and unwavering attention that we bring to all of our projects are deciding factors in why our clients continuously choose us.

We understand that it takes more than a qualified provider to win the customer's confidence, especially when it comes to complex or high-value projects. That is why, from the very beginning, our company has been built upon a strong foundation of integrity, honesty, safety, and quality. We build trust-based, collaborative relationships with our clients and industry partners. This is what sets us apart and what helps us provide continuous customer satisfaction, win repeated business and establish long-term business connections.

In the course of the years in this industry, we have progressively advanced our capabilities towards a full scope of diversified and specialized services, which we provide today. We assist our clients at every stage of their project's lifecycle.

SEC's crew of skilled and experienced professionals combined with our unparalleled dedication and complete client focus have been a sure way to make every project a success.

Santosh Singh
Proprietor, SEC.



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ABOUT US



OUR PROMISE TO YOU

“To provide you with real value, outstanding service, and exceptional performance regardless of the size or complexity of your project.”

SEC is a multidisciplinary industrial contractor serving Gujarat, INDIA., We provide real value to all of our clients by achieving the best in the industry results and the highest level of professionalism in every service, project, and structure we deliver. Our managing team strives to sustain an environment where all of the team members continuously better their skills and maintain the highest level of proficiency in their respective areas.

It was this consistent development of competence and talent that fueled our growth over the years as the scale of our projects increased in both size and complexity.

Today we are an industry leader with our highly qualified team of experienced professionals offering a comprehensive set of services. Our expertise covers the full scope of every stage in the lifecycles of industrial construction projects.



ADVANTAGES OF HIRING SEC'S SERVICES

- ◊ TOP-NOTCH FABRICATION EQUIPMENT
- ◊ PROFESSIONAL ENGINEERS
- ◊ PROFESSIONAL SAFETY ENGINEERS
- ◊ WELDING SPECIALISTS
- ◊ PROFESSIONAL QC ENGINEERS
- ◊ GENERAL CONTRACTORS
- ◊ INDIVIDUALIZED SERVICE





VISION

To become the most respected and prominent service company in our industry - known for our dedication to excellence in everything we do.

To be recognized as the industry leader due to our track record of exceptional quality and service.

To have the industry's best lineup of professional team players who are dedicated to safety, and quality and take pride in all their achievements big and small.



MISSION

To bring the industry a new standard of quality, craftsmanship, safety, and technical support at a competitive price, while making customer satisfaction our top priority. To work diligently to ensure our clients that their project has our full attention and absolute focus at all stages.

To foster work environment supporting professional development, individual proficiency, and team integrity.





SAFETY

SEC is dedicated to protecting and responsibly preserving the working environment - we are very proud of how we work and our safety track record.

When it comes to safety, our philosophy is that any successful job or project is directly attributed to exceptional performance and well-planned services. Our unmatched safety record is a result of avoiding less-than-desirable workmanship and errors associated with rushing, stress, and poor work conditions. The majority of incidences are attributed to human error, thus minimizing or eliminating such conditions results in fewer incidents.

SEC's management is committed to the continuous development and improvement of safety programs to protect our team members on all job sites. We also acknowledge that our company's staff and

professionals are our biggest asset. We are proud of our safety record and continue to strive to make our facilities and job sites safer. We will never compromise the safety of our staff, equipment, or our customers.

SEC adheres to all Occupational Safety, and Health Compliance associated with OSHA and our internal proprietary safety program. This compliance assures our company members and clients that all business practices are performed safely, matching our corporate values and practices.

OUR INTERNAL SAFETY PROGRAM INCLUDES:

- Daily job hazard analysis meeting.
- All staff and team members are trained to look at safety before beginning any task to reduce risk.
- All team members are routinely trained and updated on the best industry safety practices.
- All new team members are extensively trained before beginning as active members of SEC's team.
- All team members are rewarded for operating safely and productively.



An aerial, night-time photograph of an industrial facility, likely a refinery or chemical plant. The scene is dominated by several large, cylindrical storage tanks, each illuminated by bright lights on their upper levels. A complex network of pipes, walkways, and structural steel is visible throughout the site. In the background, a city skyline is visible under a dark sky, with a large body of water and distant mountains. The entire image has a blue color cast. The text 'OUR SERVICES' is overlaid in the center in a large, white, sans-serif font.

OUR SERVICES

SERVICES OVERVIEW

Our goal is to continue the development of our long-term business relations by delivering quality workmanship, and efficient production at a competitive cost, while making customer satisfaction our top priority.

SEC is a versatile industrial contractor company providing a full scope of general and specialized services provided by highly skilled and experienced staff.

We incorporate multiple qualified procedures, always adhering to the strictest fabrication guidelines and safety measures that meet the industry's highest standards.

Besides the expert structural steel fabrication and erection services, we offer a multitude of additional services such as design-build projects, pre-engineered structures, custom structural fabrication, open web joist buildings, metal decking, and siding installation, plate fabrication, platforms, ladders, handrails, bending, drilling, punching, miscellaneous fabrications and more.

SERVICE AREAS

- **TURNKEY TANK AND EPC TERMINAL SERVICES**
- **STORAGE TANKS**
- **STORAGE TANKS REPAIRS AND MAINTENANCE**
- **MECHANICAL AND PIPING**
- **STEEL FABRICATION AND ERECTION**
- **BOILERS REFURBISHMENT AND OVERHAUL**
- **PRESSURE VESSEL REPAIRS AND ALTERATION**
- **FABRICATION**
- **CERTIFIED AND QUALIFIED MANPOWER**





STORAGE TANKS

SEC. is a leading contractor in tank engineering, fabrication, construction, modification, maintenance, and repair as well as the relocation of aboveground storage tanks and specialty vessels.



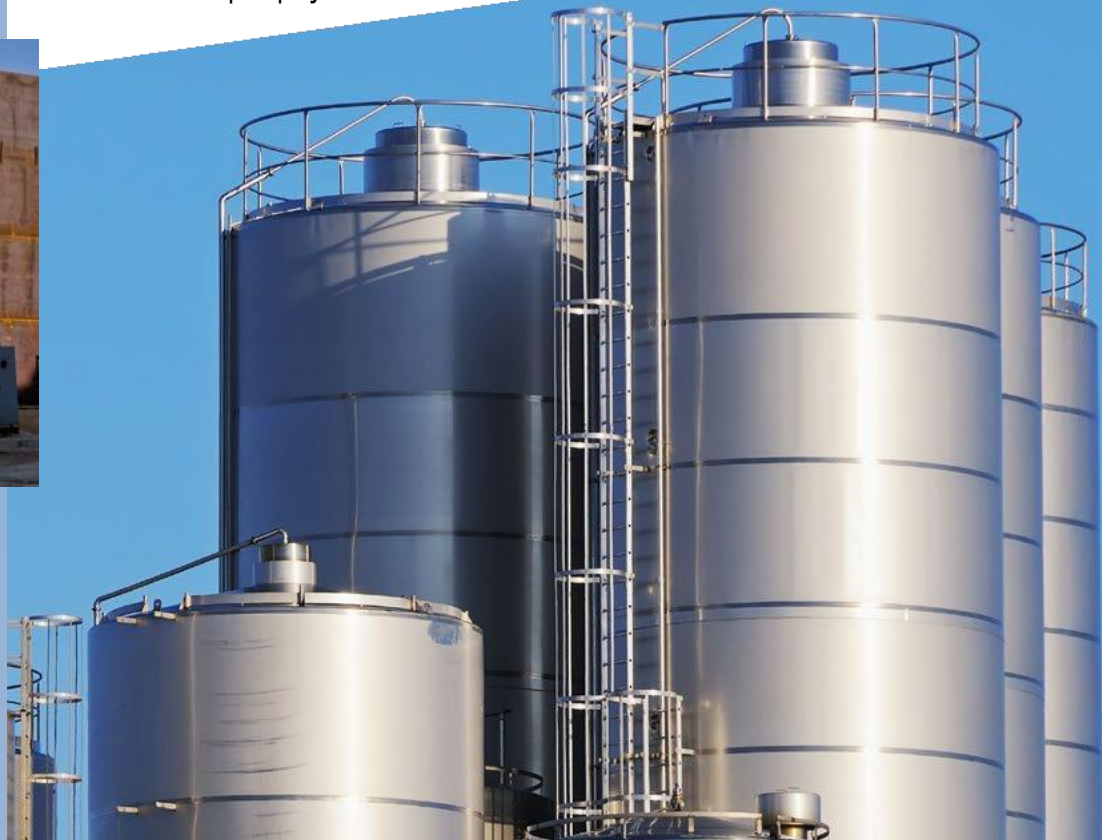
Our capabilities cover a full spectrum of services associated with the atmospheric and pressurized tanks for liquid, gas, bulk storage, and turnkey terminals.

We routinely employ discovery methods that decrease costs on materials to meet the budget requirements without ever compromising safety or quality.



Meeting today's storage challenges has always been one of the SEC's strengths. We serve our customers across the Caribbean Basin and Central America with fast delivery of efficient storage solutions. SEC's crews respond rapidly and efficiently to meet the demands of even the most complex projects.

Our professional staff has proven expertise in all areas of the tank and specialty vessel installations and modifications. Over the years many pioneering features have been developed by our in-house team and successfully incorporated into existing projects.





STORAGE TANKS CONSTRUCTION CAPABILITIES

- Fixed roof or open top flat bottom storage tanks built to API-650, sized from 1,000 BBLs to 150,000 or more barrels. Smaller tanks are available built to API 12D specifications.
- Fixed roof flat bottom low-pressure tanks built to API-620; 1,000 BBLs and up. Silos or hoppers for granular products, 200 tons capacity to 5,000 tons or more.
- Fire protection water storage tanks built to NFPA or FM specifications; 30,000 gallons and up.
- Portable or industrial water storage tanks built to AWWA D100 standards; 30,000 gallons to 20,000,000 gallons or more.
- Repair, relocation, or structural modification of welded steel tanks. Welding thickness capability is limited only by API or AWWA standards.
- We are the industry leader in the field of erected welded steel flat bottom tanks, including all related services, like miscellaneous shop fabrication of appurtenant items and internal or external steel floating rods, and more.

SEC brings you the highest standard of quality, service, and expertise. Our exceptional combination of capability and flexibility allows us to solve any of the challenges of your storage and vessel projects, from early concept through the entire design-build process.



EXPERIENCE

- CONE ROOF AND BOTTOM TANKS
- OPEN TOP FLOATING ROOF TANKS
- INTERNAL FLOATING ROOF TANKS
- DOME ROOF TANKS
- UMBRELLA ROOF TANKS
- KNUCKLE ROOF TANKS
- SLOPED/DISHED BOTTOM TANKS
- ASME PRESSURE VESSELS



STORAGE TANKS REPAIRS AND MAINTENANCE

Our services include routine, preventive, and predictive maintenance programs as well as emergency repairs.



Tank repairs and maintenance are one of SEC's main areas of expertise. We place special emphasis on carefully reducing costs, improving repair methodologies, elevating the standards of quality, and enhancing productivity. This is what makes our solution not only efficient but also truly cost-effective

Our tank repair and maintenance services range in scope from a single tank to entire tank farms. Our experienced crews have completed hundreds of replacements and repairs to tank bottoms, shells, nozzles, roof structures, steel floating roofs, seals, and manways for tanks of all sizes.



- **BOTTOM REPAIRS AND REPLACEMENT**
- **ROOF REPAIRS AND REPLACEMENT**
- **SHELL COURSES REPAIRS AND REPLACEMENT**
- **NOZZLES REPAIRS AND REPLACEMENT**
- **REPLACEMENT OF PRIMARY AND SECONDARY SEALS**
- **ROOF STRUCTURE MODIFICATION AND MEMBER'S REPLACEMENT**
- **SURFACE PREPARATION AND COATING APPLICATION**
- **TANKS RECONSTRUCTION**

MECHANICAL AND PIPING

SEC's Mechanical and Piping Services Division offers turn-key solutions for industrial piping applications and equipment installation.

Our skilled field personnel has proven experience in the engineering, construction, and fabrication of specialized mechanical and piping systems for institutional and commercial construction. SEC brings quality, efficiency, and a comprehensive set of services encompassing project pre-assembly, design, procurement, project management, and scheduling.



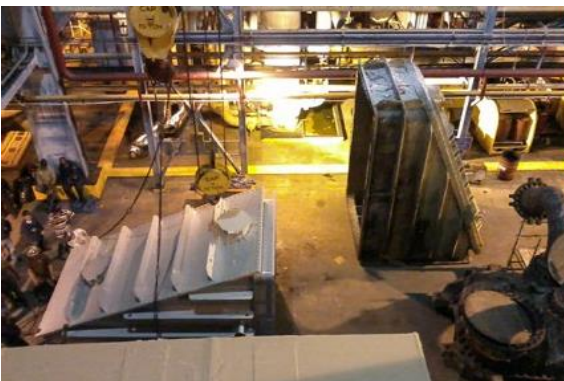
We understand the challenges faced by today's industry: the need to reduce operational costs, maximize uptime and optimize efficiency. We ensure the highest level of asset integrity and reliability to our clients. We create a solid plan detailing all aspects and risks associated with a particular project to assure reliable production, quick turn-around, and safety. SEC's typical projects include:

- ASME / NBIC works.
- Balance of plant.
- Welding and metal fabrication.
- Orbital process pipe welding.
- Process equipment installation.
- Chilled water lines for HVAC.
- Pipe fabrication and installation in small bore and large bore piping:
 - carbon steel heavy wall pipe,
 - stainless steel, and alloys,



WE HAVE EXPERTISE IN THESE MATERIALS:

- STAINLESS STEEL
- DUPLEX STAINLESS
- CHROME ALLOYS
(P11, P22, P5, P91, P92)
- CARBON STEEL
- NICKEL ALLOYS
(C276, MONEL, INCONEL)





STEEL FABRICATION

SEC delivers in-house quality assurances and state-of-the-art equipment for burning, bending, and rolling of stainless-steel materials and carbon steel.

Our steel fabrication division provides thousands of tons of top-quality structural steel projects annually to construction, manufacturers, and other firms throughout Puerto Rico, the Caribbean Basin, and Central America. All our functional designs are built and with the highest quality materials and the best workmanship available in today's marketplace.

SEC's facilities allow the output of large structures under limited timeframes with top efficiency. We fabricate steel on our 28-acre property, strategically located in Penuelas, Puerto Rico. Our site has superior provisions for transportation access and allows us to provide our customers with highly reliable and practical truck and barge shipping options.

○ STEEL FABRICATION

○ ERECTION

○ COATINGS

○ PLATFORMS

○ STAIRWAYS

○ CAGED LADDERS

○ RAILINGS

○ HANDRAILS

○ PLATE WORKS

○ DUCTS AND TRANSITIONS

○ LOUVERS AND DAMPERS

○ SCRUBBERS

○ PROCESS PIPING

○ SQUARE STORAGE
CONTAINMENT

○ DUCTWORK

○ DRUMS

○ TRAY TOWERS

○ CONVECTION BOXES

○ FLARE TIPS

○ BURNER ASSEMBLIES

○ SUPERSTRUCTURES AND
STRUCTURAL

○ MODULAR STEEL CONSTRUCTION

○ SUPPORTS

○ STACKS



BOILERS REFURBISHMENT AND OVERHAUL



Boiler service is one of SEC's core specialties. Working with us ensures that your industrial boiler is safe, reliable, and economical. Our services extend your boilers' life and reduce emergency call-outs for breakdowns. Our qualified repair crew can rapidly and efficiently remedy any boiler issues, whether your systems require minor repairs or emergency generator tube bank replacements.



WATER WALL BOILERS

SEC has extensive experience repairing watertube boilers. Our skilled refractory masons can replace refractory front walls and floors, and our boilermakers can replace tubes and repair casing. SEC's waterwall boilers services include:

- HP and low-pressure steam drums replacement.
- Retube boiler.
- Tubes repair.
- Fabricate new casing.
- Refractory burner and front wall repair.
- Refractory floor and seal repair.
- National R stamp repairs.
- ASME S stamp alterations.
- Low water cutoff installation.
- Turbine tube repair.
- Hotspots and repair casing.
- B31.1 power piping.
- Valve installation.
- Repair/replace soot blower valves and elements.



FIREWALL BOILERS

SEC's team of expert boilermakers, certified code welders, and refractory masons assures outstanding expertise and excellent execution. We understand that any interruption that affects boiler efficiency results in downtime and loss of production. That is why our approach to each repair project is addressed with the highest sense of urgency. SEC's firewall boilers services include:

- Non-destructive testing for cracks in the boiler tube sheet.
- Boiler door refractory replacement and refurbishment.
- Firetube boilers can come in different sizes and configurations.
- Boiler door refractory replacement and refurbishment.
- Boiler tube replacement and tube repairs.
- Rear and front door refractory.
- Insulation burner rings are refractory.
- Tube sheet welding & repair, stay rod (bolt) repair.
- Cleaning fireside of tubes.
- B31.1 power piping.
- New hand hole installation in the shell.
- Valve installation.
- Low water cutoff installation.
- Alterations per ASME and NBIC.





NBIC / ASME CAPABILITIES

Our NBIC / ASME capabilities for pressure vessel alteration and repairs encompass installation heads and shells repair, ASME

code fabrication, new manways and handholes in vessel shells, ASME code spools pieces, economizer tube repairs, water walls repairs, superheater repairs, pressure vessel alterations, stainless steel welding, tube bundles, heat exchangers, and specialty welding procedures.

- ⊞ **OUR WELDERS HAVE AN AVERAGE EXPERIENCE OF 15 YEARS.**
- ⊞ **WE USE STATE-OF-THE-ART BOILER RETROFIT EQUIPMENT.**

PRESSURE VESSELS REPAIRS AND ALTERATION

SEC. possesses all the necessary Code Stamps to restore, modify, revamp, fix or repair your heavy steel pressure vessels and boilers.

Once you choose SEC to alter or repair an existing ASME code vessel, your organization can eliminate the cost of purchasing a new pressure vessel, process tank, or heat exchanger. The pressure vessel repair services are performed at our heavy-duty steel fabrication facilities in Peñuelas, Puerto Rico, or onsite depending on your project's specifications. All work is done in compliance with ASME Section VIII, Div. 1, and National Board "R".

We perform pressure vessel, heat exchanger, and boiler maintenance and alteration services for a variety of industrial market sectors including oil and gas refining, chemical processing, petrochemical refining, and power plants.

Our skilled craftsman and highly experienced certified welders are capable of restoring damaged pressure vessels and boiler components to proper working and ASME code condition. We repair stainless steel pressure vessels, carbon steel pressure vessels, alloy steel pressure vessels, and pressure vessels fabricated from heavy steel plate materials. We also offer pressure vessel inspection and pressure vessel testing services.

Any pressure vessel alterations or repairs at SEC are planned and carried out by our expert supervision staff, qualified inspectors, and highly experienced welders. Our trained staff not only can restore your pressure vessel to its safe operating condition but also modify, and revamp it to prolong its life.





FABRICATION

SEC delivers comprehensive, integrated design, procurement, and construction. Our flexible approach to fabrication solutions greatly improves capital efficiencies in a variety of industries.



SEC is one of the industry's leading providers of structure, piping solutions, storage tanks, and vessels for the oil and gas, water and wastewater, and power generation industries.

skilled pipefitters, welders, structural fabricators, electricians and instrument technicians, and managers who can expertly streamline even the most complex project from concept to delivery.



Our modern facilities are equipped with the latest manufacturing technologies that significantly reduce costs, help maintain safety and deliver the highest quality end product. Our team comprises highly

SEC brings qualified manpower, extensive knowledge, and professional project management all of which allow us to maximize the cost-effectiveness of our custom fabrication solutions.



BENEFITS OF FABRICATION

- ADVANCED SOURCING METHODS
- EARLY FABRICATION ALLOWS RE-DESIGN AND IMPROVES CONSTRUCTABILITY
- COLLABORATION
- ENVIRONMENTAL BENEFITS
- MODULARIZATION OF DESIGNS FOR EASY OFFSITE INSTALLATION
- QUALITY ASSURANCE CONTROL
- LOGISTICS
- AND MORE

CERTIFIED AND QUALIFIED MANPOWER

- PIPE WELDERS
- STRUCTURAL WELDERS
- PIPELINE WELDERS
- PIPEFITTERS

- STRUCTURAL FITTERS
- IRONWORKERS
- PROFESSIONAL ENGINEERS
- FITTERS
- CERTIFIED WELDERS
- PAINTERS
- LOADERS
- SHOP MANPOWER
- CERTIFIED WELDING SUPERVISORS

SEC provides project-based multi-disciplined manpower and workforce solutions to diverse industrial sectors.

With increasing complexity in today's industry and specific demands changing from project to project it is of the utmost importance to work with specialized professionals. Hiring SEC's manpower services ensures that each task in your project is executed by an adequately qualified and certified workforce.

Our professional staff represents all of our core principles and has been a single most important factor in making SEC the industry leader it is today. With our highly skilled personnel to supervise, coordinate, weld, or complete many other specialized tasks you can efficiently and seamlessly complete even the most demanding projects.

We can connect your project with the industry's highest quality staffing services and manpower support whether it requires technical experts, skilled workers, or laborers.

We serve both large and small organizations across all industry sectors. All our manpower strictly adhere to all industry codes of safety and all requirements of the industry.

Whether it is on or above ground pipelines, underground pipelines, structural steel platforms, plant maintenance, or any other project, SEC can assemble a multi-skilled team that is perfectly suited for the scope of work.

