



**Proven Solutions**  
**Total Quality**  
**Complete Satisfaction**



**Global  
Fabrication** INC.



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## Welcome to Global Fabrication

*Whatever your design, engineering, or precision manufacturing needs, we can provide a proven solution.*



Our experienced professionals continually redefine the state of the art in every product and service area and exemplify the highest levels of engineering technology, craftsmanship, and quality.

Our expertise, experience, open communication, and unwavering commitment to meeting schedules and budgets in every project have made us the supplier of choice for leading companies in the power generating, ethanol, defense, paper, oil and gas, and food industries.

We constantly seek better ways to deliver our products and capabilities and are expanding our scope and reach in response to the needs of our customers across North America and around the world. Above all, our dedication to uncompromising service and maximum delivered value has earned the trust and loyalty of all we serve.

If you require more information after looking thru this brochure please feel free to explore our website at [www.globalfabricationinc.com](http://www.globalfabricationinc.com) to learn more about Global Fabrication's commitment to quality, service, and value. Or contact us today to discuss a specific application, challenge, or need.

## Our Vision

*To be a leader in our industry and to be perceived as such by our customers, suppliers, and employees.*

## Our Goals

*To meet our customers' expectations with regard to outstanding service, unrivaled quality, and superior value while continually growing our business and maintaining the financial health of our company.*

## Our Mission

*To use our extensive knowledge in ASME code vessels, our supplier relationships, our technical skills, and a commitment to create exceptional value for our customers to build our company for the benefit of all stakeholders.*

# Pressure Vessels



The tanks and other pressure vessels we design and fabricate cover the full spectrum of applications, sizes, types, and metals. All are developed to meet the distinctly specialized needs of the industries and companies we serve for both one-time and repetitive applications.

## ***Advanced technology applied with real-world expertise***

Our highly qualified engineers and draftsmen are not only masters of advanced technology; they also have the real-world expertise to apply it for maximum effectiveness.



- We use state-of-the-art CAD software packages to transpose your requirements into a cost-effective design.

- We ensure total compliance with ASME, DOT, SAE, CE, API, AISC, USDA, 3-A, and other vessel codes to meet your most stringent specifications.

## ***Industry and application-specific solutions***

We supply pressure vessels to the power generation, ethanol, defense, paper, oil and gas, and food industries. Our solutions cover these ranges:

- Thickness: 0.0125" to 8" material
- Length: 1.5' to over 90'
- Pressure certifications: full vacuum to 6,000 psi



# Skid Mounted Systems

Manufacturing skid systems—large and small—is a Global Fabrication specialty. We design and fabricate across the full spectrum of one-time and repetitive applications to meet the distinctly specialized needs of the industries and companies we serve.

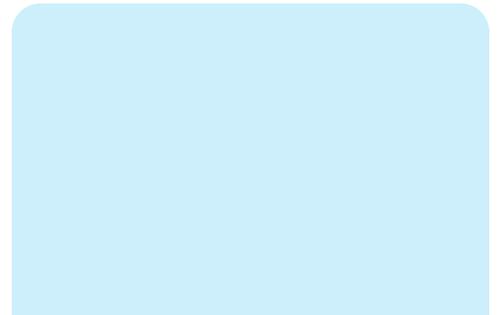
## ***Advanced technology applied with real-world expertise***

Our highly qualified engineers and draftsmen are not only masters of advanced technology; they also have the real-world expertise to apply it for maximum effectiveness.

- We use state-of-the-art CAD software packages to transpose your requirements into a cost-effective design.
- We ensure total compliance with ASME, API, and other skid system codes to meet your most stringent specifications.

## ***Industry and application-specific solutions***

Global Fabrication has provided skid systems for the oil and gas industries, both onshore and off, as well as skid-mounted systems used in the water treatment industry. We have added considerable capacity in this area in anticipation of increased demand.



# Shop Built Tanks

Global Fabrication designs and fabricates tanks and other non-pressure vessels to meet the unique applications, sizes, and types that our customers require. We build customized tanks and vessels in carbon steel, stainless steel, alloy metals, and aluminum for specific one-time or repetitive applications.

## ***Advanced technology applied with real-world expertise***

Our highly qualified engineers and draftsmen are not only masters of advanced technology; they also have the real-world expertise to apply it for maximum effectiveness.

- We use state-of-the-art CAD software packages to transpose your requirements into a cost-effective design.
- We ensure total compliance with API, USDA, 3-A, UL, NFPA, and other non-pressure vessel codes to meet your most stringent specifications.



# Piping



Whether you need a one-time solution or an ongoing application, our capabilities to design and fabricate customized piping systems are as broad and varied as our customers' industries and needs: shell and tube heat exchangers, power boiler systems, pressure vessel/heat exchangers, food plant installations, multi skid systems for offshore oil rigs, and much more.

## ***Advanced technology applied with real-world expertise***

Our highly qualified engineers and draftsmen are not only masters of advanced technology; they have the real-world expertise to apply for maximum effectiveness. They:

- Employ state-of-the-art CAD software packages to transpose your requirements into a cost-effective design.
- Ensure your complete satisfaction by total adherence to ASME B31.1 & B31.3, API, and other codes to meet our customer's needs.



# General Fabrication



Global Fabrication has extensive experience in a wide array of general fabrication projects including:

- Structural steel components
- Industrial containers
- Ladders, handrails
- Walkways
- Platforms
- Other specialized needs as required by our customers

## ***Advanced technology applied with real-world expertise***

Our highly qualified engineers and draftsmen are not only masters of advanced technology; they also have the real-world expertise to apply it for maximum effectiveness.

- We use state-of-the-art CAD software packages to transpose your requirements into a cost-effective design.
- We design and fabricate customized systems for specific one-time and repetitive applications.



# Welding

With dozens of certified welding procedures and operator qualifications, we strive to bring to every customer engagement the most innovative and effective processes, positioners, equipment, and procedures to ensure the highest quality result.

## ***Material and ranges***

- We fabricate a full array of alloys and metals from mild carbon steel, to Chrome-Moly steel, 300 Series Stainless Steels, LDX-2101, AL6XN, Hastelloy, Inconel, and aluminum.
- The materials qualified range from 1/16" to 8" thick.

## ***Welding processes used***

- Submerged Arc
- Surface tension transfer (STT)
- Fluxcore
- Spray, globular, pulse transfer, and TIG.
- MIG including short arc

## ***Quality assured at every level***

- Our welders are ASME Section IX and AWS D1.1 certified.
- Our welding procedures are developed in house and constantly monitored by our Quality Control Department.
- Certified inspectors ensure strict compliance to ASME, AWS, API, AWWA, AAR, NACE, and other required codes.
- Stringent testing includes: radiography (RT), ultrasonic (UT), liquid penetrant (PT), magnetic particle (MT), visual (VT), and positive material identification (PMI).
- Non-destructive testing is done in accordance with ASME Section V, and ANST SNT-TC-1A by our certified Level II technicians and closely monitored for compliance internally and by our contracted Level III examiner.



## ***Plate Processing***

With overhead cranes to move material efficiently and safely and a full complement of plate processing equipment, Global Fabrication has the capability to handle virtually any project in house.

- 10' x 20' Messer Titan II plasma and burn table allows for extremely accurate processed parts.
- Twin turbo torches enable burning capabilities to 12" thick on carbon grade steels.
- Hypertherm HD 4070 delivers high-definition plasma processed parts with speed and accuracy to process both ferrous and non-ferrous metals up to 1 1/4".

## ***Bending, Rolling, and Sawing***

State-of-the-art technology highlights our bending, rolling, and sawing operations.

- Trumpf 230 ton x 13' 6" CNC 5 Axis Press Brake offers speed and accuracy on both routine and highly complex bending functions.
- Box and pan sheet metal brakes augment our bending capabilities.
- 10' x 5'16". and 6' x 10' gage Round-O-Plate rolls permit a variety of rolling applications.
- 8" x 26" 81A Marvel Vertical Saw with NC-controlled in-feed ensure timely and accurate cuts for both structural and pipe processing.
- Two Dake 14" cold cut saws augment our cutting capabilities.

## ***Pipe Processing***

Our pipe processing capabilities focus on both quality and speed.

- Ercolina Mega Bender can process up to 4" tube and 3" schedule 40 pipe, complete with indexing and mandrel attachments.
- Buggo NC pipe plasma 4" thru 24" processor enables quick processing of pipe ends and tie-ins to extreme accuracy without the typical time-consuming wrap process.



# Full Service Shop

## ***Welding and Positioning***

Always mindful of time and quality, our shop features a complete array of welding machines, positioners, tank rolls, and manipulators for maximum efficiency.

- Dozens of Miller and Lincoln welding machines ranging from smaller Millermatic 250 up to our 600 amp Lincoln power sources
- 7500, 3000, and 1100 lb. variable speed positioners
- 10 sets of various size tank rolls with up to 100,000 lb. capacity
- Numerous welding manipulator arms for a fully automatic welding process

## ***Blast and Paint***

Whether for final assembly, paint, or powder coat, we have the capabilities to make sure your job is completed to your total satisfaction.



# Machine Shop



With our extensive machining capabilities and experienced machinists and operators, Global Fabrication offers an extensive array of products and services to meet virtually any need. Our constant focus on delivering quality products on time and on budget has earned us a reputation for the highest levels of customer service and satisfaction.

## ***Extensive range of capabilities and equipment***

Our fully equipped machine shop can deliver virtually any request. Our equipment ranges from manual NC-controlled horizontal mills to fully CNC-equipped turning and milling equipment.

- Our Gildemeister CTX 420V4/5 axis machining center allows for quick and accurate turning and milling of various pieces parts.

The shop also features:

- Fryer 60" CNC 4 axis horizontal milling machine
- Partner CNC mill (x = 32", y = 18", z = 22")
- Acer NC controlled mill and lathe
- Trak CNC 2460sx lathe



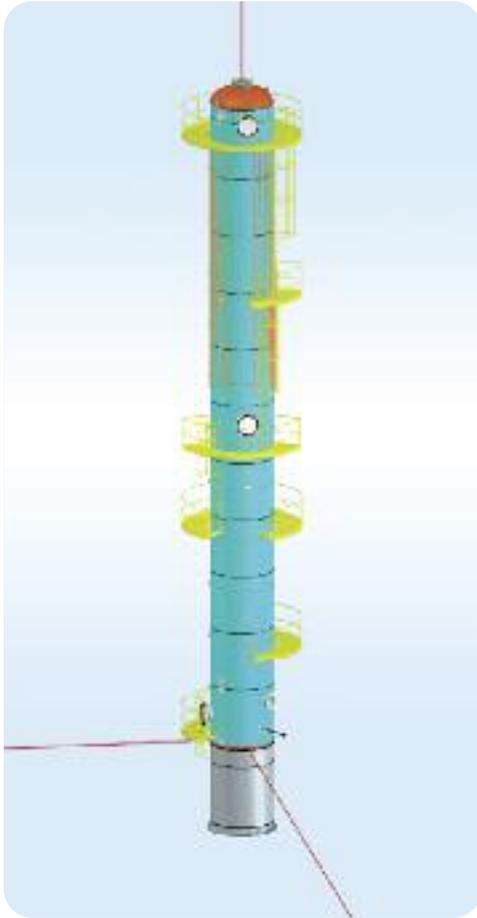
## ***The Industries We Serve***

Global Fabrication is proud to serve companies in the following industries worldwide regardless of size or scope:

- Power Generation
- Water Filtration
- Ethanol
- Nuclear
- Defense
- Pharmaceutical
- Paper
- Food
- Oil & Gas



# Engineering & Design



Our full-service engineering department offers in-depth knowledge, experience, and technical expertise across multiple engineering disciplines. We have all the capabilities and support professionals in house to engineer, design, detail, procure, and build your project—small or large, simple or complex.

## ***Wide-ranging Project Experience***

Our projects range in scope from a few thousand to several million dollars and include:

- Single and multiple vessels
- Complete systems
- Entire production facilities

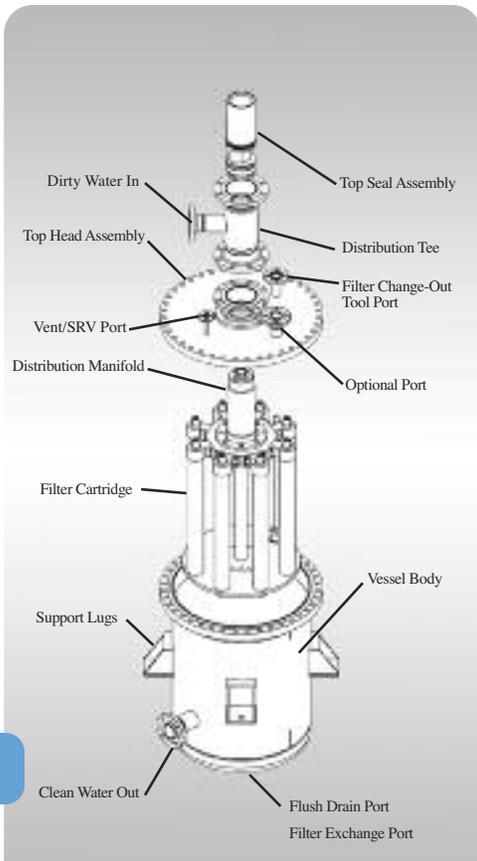
## ***Multi-disciplinary engineering***

- Mechanical
- Electrical
- Civil
- Process, in both 2D and 3D

## ***State-of-the-art technology***

Our experts transform your requirements into reality using some of the most advanced software technology available:

- AutoCAD
- SolidWorks
- Compress
- TechnoSoft
- ProNEST
- SSDCP
- Finite Element Analysis



# Accreditations



## Our Accreditations

- ASME Section 1 "S" Certificate of Authorization # 34944
- Power Boilers, Vessels, and Parts
- ASME Section VIII, Div 1 "U" Certificate of Authorization # 34945
- Unfired Boilers and Pressure Vessels and Parts
- National Board of B & PVI "R" Certificate of Authorization # R-6626
- Repair of Boilers and Pressure Vessels
- National Board of B & PVI Authorization to register.



API	620, 650, 12F, 614, 618	Carbon and Stainless Steel
UL	142	Carbon Steel
ASME	B31.1	Carbon, Stainless Steel, and Chrome Moly Steels
ASME	B31.3	Carbon and Stainless Steel



## Business Strengths

- We endeavor to develop lasting and mutually beneficial relationships with our customers, our suppliers, and our employees.
- We build teams as we understand that teamwork makes us perform better, and that continuous improvement in all areas is vital to our success.
- We believe that our entrepreneurial spirit is an essential part of our culture, and that our people are the source of our strength, vitality, and reputation.
- We believe that our company needs to be socially aware and responsible, and that this is central to our business success.
- We believe that we should always do the right thing, and that we should never compromise our integrity in business or in life.





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