ENGINEERING DESIGN SOLUTION



CHEMTED LLC

Innovative Engineering Solutions



EXCELLENCE AND INNOVATION BUILT INTO EVERY DESIGN

COMPANY OVERVIEW

CHEMTED LLC is an industry leading manufacturing engineering company offering products & services for following sectors:

- Oil & gas,
- Petro Chemical,
- Chemical Process Industries
- Industrial Refrigeration



INTRODUCTION

We take pride in introducing "CHEMTED" as a leading company of superior quality in Process Engineering Design of Oil & Gas Sector, Industrial Refrigeration, Marine Refrigeration and Process Chemical Industries. Since our inception, we are constantly providing new solutions to meet the requirement of rapidly advancing technology.



VISION

To establish CHEMTED as an EXPERT in Design Engineering by using latest technologies at optimum cost with 100% customer satisfaction.



MISSION

CHEMTED's Principal Mission is to deliver services of the highest caliber; to actively contribute towards the success of our clients. Our company desires to foster long term partnering relationships with our clients.

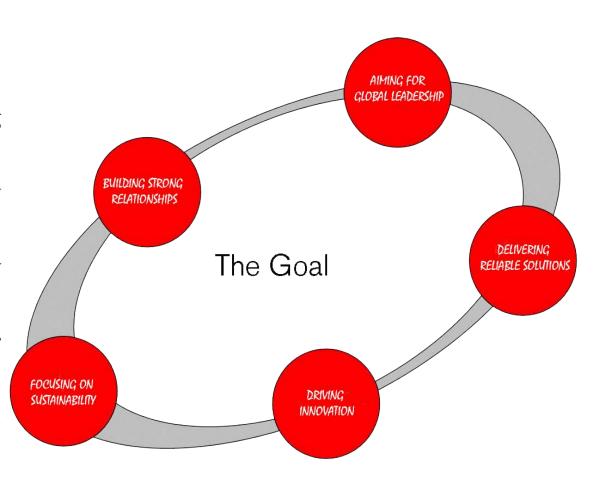
CHEMTED Stresses superior results. We therefore apply hard word to effective strategies in ensuring the success of our projects. We understand that our success depends on close collaboration with our clients, to set objectives, develop analytical studies and conduct periodic reviews to measure our results against our

objectives.



Chemted LLC strives to:

- To deliver reliable and efficient process engineering solutions to our clients' needs.
- Drive innovation by developing advanced, future ready technologies in engineering.
- Enhance sustainability in process engineering by prioritizing environmentally responsible practices.
- Build strong, lasting relationships through our personalized service and exceptional support.
- Establish global leadership in the oil and gas, petrochemical and industrial sectors.

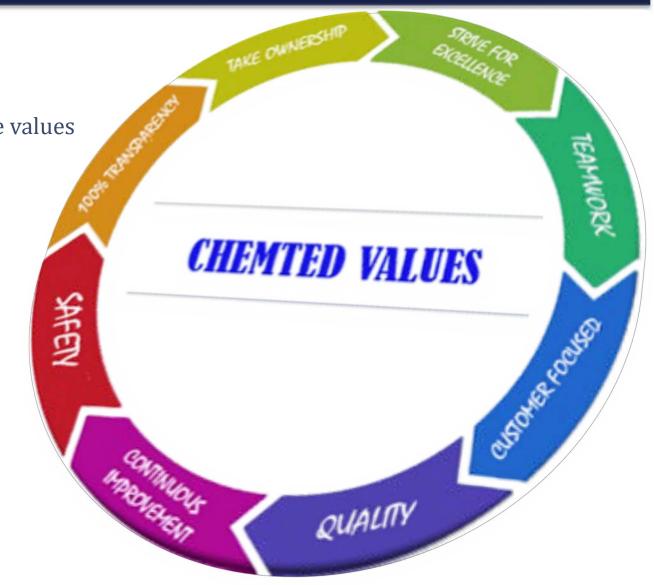


VALUES

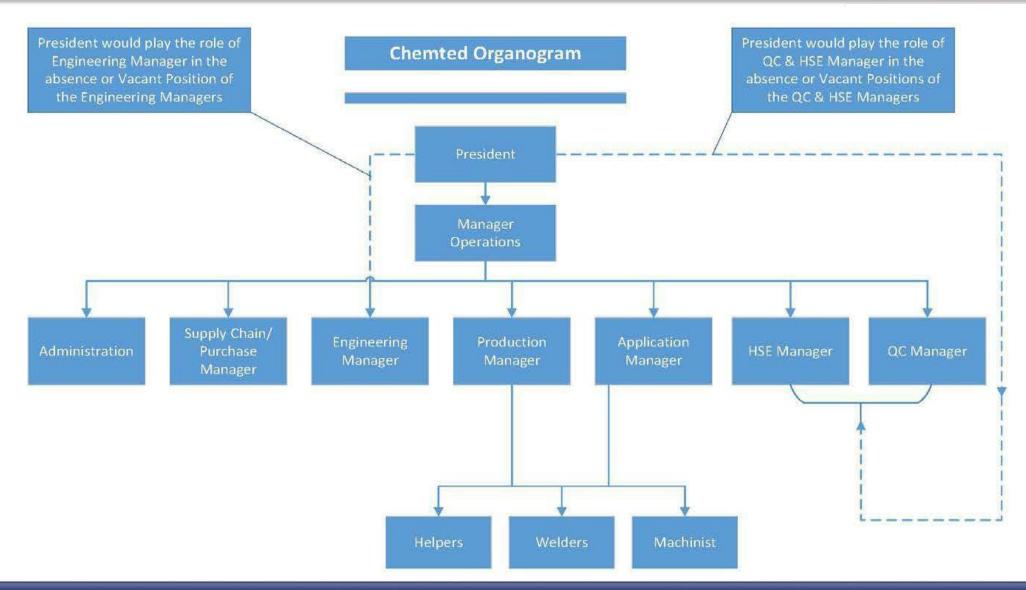
CHEMTED ensures to implement below listed core values to offered services & products.

We move at the speed of customer's trust:

- Strive for excellence
- Teamwork
- Customer focused
- Quality
- Continuous improvement
- Safety
- 100% transparency
- Take ownership



ORGANIZATION CHART



CHEMTED OPERATIONAL PHILOSOPHY



CHEMTED'S PRIVACY POLICY

CHEMTED knows that you care how your information is used and shared, and we appreciate your trust that we will do so carefully and sensibly. As there is always some risk in the transmission of data over the Internet trough emails etc. But we deem appropriate, we use a combination of industry standard security measures to protect your information.

Customer's identifiable information or any proprietary design or document shared with us at any stage is kept secure in a way that only authorized employees, agents and contractors (who have agreed to keep information secure and confidential) have access to this information.

Contact Us If you have any questions or comments about privacy on this website, please send us an e-mail at info@chemted.com

Note: The privacy practices set forth in this privacy policy are for our website or any information proprietary design or document exchanged by our valued customer, vendors or any interested parties.



Engineering Design Services



Products Manufacturing

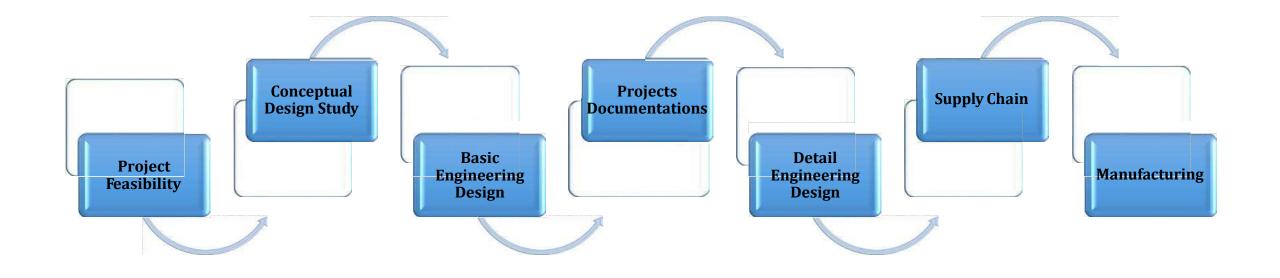


Supply Chain Services

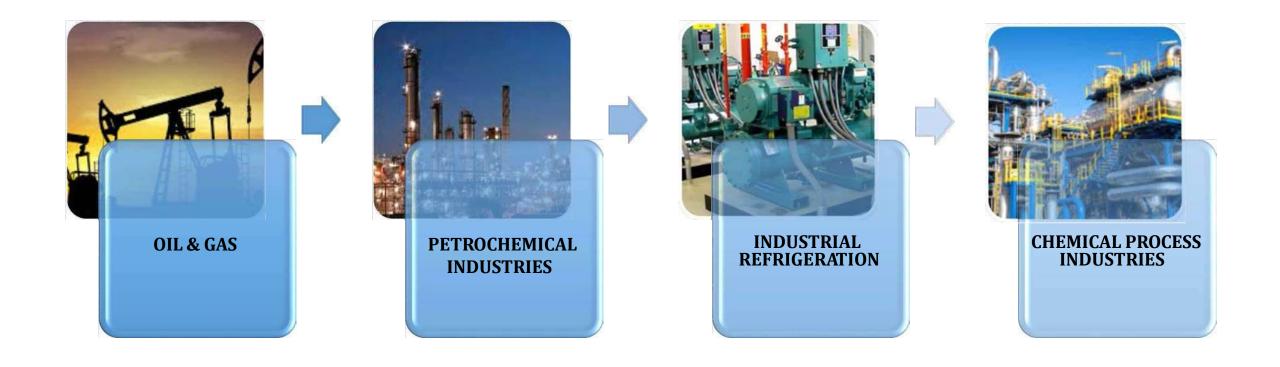


Training & Development

SCOPE OF OUR SERVICES



SECTORS OF OUR SERVICES



AREAS OF DESIGN SERVICES

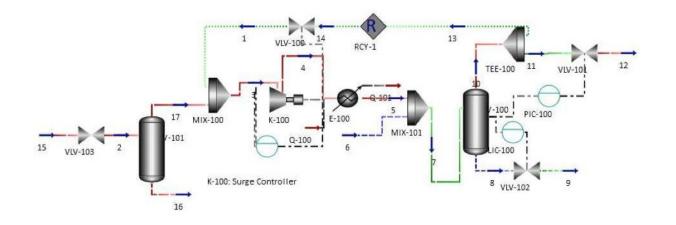
Process Engineering Services

General Services:

- Project definition and scope development
- Conceptual to appropriation cost estimating
- Piping and Instrument Diagram (P&ID) development
- Equipment and instrument specifications
- Piping, equipment and instrument layout and detailing
- Plant debottlenecking and process optimization

Process Simulations Services as follows:

- Hydrocarbon Dew point Control
- Dehydration Plants
- Gas Recovery Plants
- Gas Sweetening Plants
- Scrubber Packages
- Separator Packages like 2 & 3 Phase separators, Heavy crude separators & Test separators
- Tail Gas Clean-up Packages
- Chemical Injection Package
- Industrial Refrigeration Systems



DESIGN EXPERTIESE

AREAS OF DESIGN SERVICES

Static Equipment Services

Pressure Vessels: We design pressure vessels per ASME Sec.VIII,Div.1, PD-5500 and CRN Etc.

- Receivers
- Economizers
- Accumulators
- Intercoolers
- Oil Separators
- •Oil Filters
- •Oil Pots
- Scrubbers
- Surge Drums



AREAS OF DESIGN SERVICES

Static Equipment Services

Shell & Tube Heat Exchangers & PHE: Per ASME, TEMA & Per specifications of the costumer:

- Evaporators
- Flooded Chillers
- Condensers
- Feed/Bottom Exchanger
- Sub Coolers
- Desuperheaters
- •Oil Coolers
- Reboilers
- $\bullet Thermosyphon\\$
- Gas-to-Gas Heat Exchangers
- Gas-to-Liquid Heat Exchangers

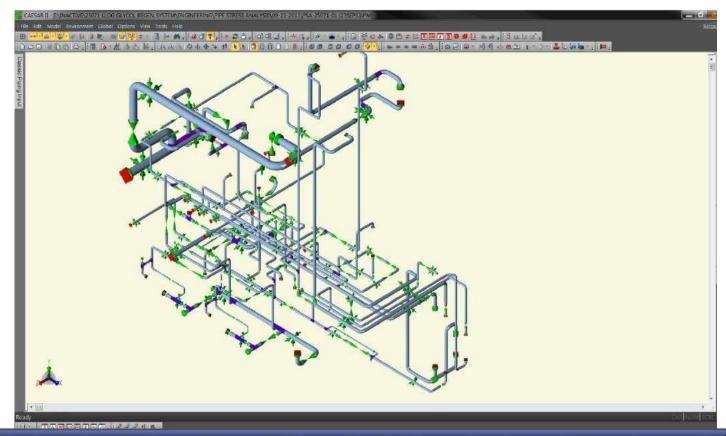


AREA OF DESIGN SERVICES

Design for Piping, supports and flexibility analysis

Piping Design:

Design of In-Plant Piping for Petrochemical, Chemical, Crude / Gas and Utilities lines according to ASME/ANSI/B31.1/31.3/ B31.8, and project specifications other related Standards.



AREA OF DESIGN SERVICES

Steel Structure

- Skid Packages Structure
- Static Equipment Structure
- Boiler Complete Structure
- Piping Rack & Pipe Supports
- Pre-Engineering Buildings
- Flare Stacks etc.





AREAS OF DESIGN SERVICES

Other Services

Rotary Equipment

- Data sheet, Specifications & Material Requisitions preparation (for RFQ). Bid Clarifications (TCLs), Technical Bid evaluation (TBEs) and Report, Vendor document review, Vendor-shop review and evaluations, FAT/SATs attendance for Rotary & Package equipment including performance review, noise & vibration studies.
- Reports, method statements and construction procedures
- Design of Consumer products
- Procurement Support (Requisitions, Technical evaluation etc.)
- Consultancy services for fabrication and manufacturing
- Preparation of Costumers Specifications, Process Datasheets, Pre-BOM & RFQ Documentations
- Consultancy services for hydrotest, Pre-commissioning, Commissioning

DESIGN & FABRICATION EXPERTIESE

PRODUCT MANUGACTURING SERVICES

Skid Packages

We provide engineering services & manufacturing skid based systems that includes followings

- Gas Compression Packages
- Oil Removal Packages
- Natural Gas processing Packages which includes
- Dehydration
- Fractionation
- Condensate Stabilization
- Amine Sweetening
- Cryogenic Processing
- Control System
- Dew Point Control
- Water Chillers
- Process Gas Chilling
- Air or Nitrogen Chilling
- Glycol Chillers
- NGL Recovery System
- Cascade Refrigerant System
- Food Processing & Storage Refrigerant System



PRODUCT MANUGACTURING SERVICES

Static Equipment

We at Chemted always ensure that our thermal selection & production would be cost effective in regarding to the capital cost & as well as in operating cost.

- Evaporators
- Condensers
- Refrigeration Condensers
- Pre-Coolers

- Reboilers
- Flooded, Chillers
- Fixed tube sheet oil coolers,
- U-Tube and Removable bundle heat exchangers
- Oil Coolers

- Inter-Coolers
- After-Coolers
- Product Coolers

- Receivers
- Economizers
- Accumulators
- Oil Separators
- Oil Filters

- Oil Pots
- Scrubbers
- Surge Drums

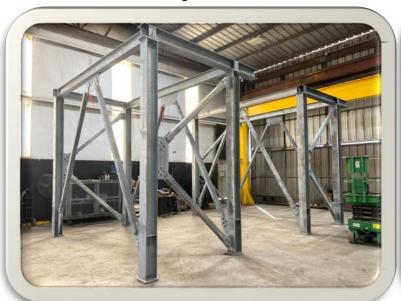
PRODUCT MANUGACTURING SERVICES

Steel Structure

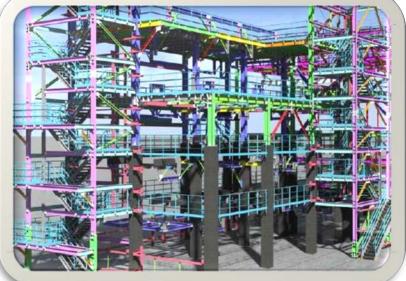
Some of the steel structure we commonly offer for production are:

- Skid Packages Structure
- Static Equipment Structure
- Boiler Complete Structure

- Piping Rack & Pipe Supports
- Pre-Engineering Buildings
- Flare Stacks etc.







SUPPLY CHAIN SERVICES

SUPPLY CHAIN SERVICES

CHEMTED covers all sectors for supply chain services for industrial sectors as follows:

- Oil & Gas
- Refineries
- Petrochemical
- Process Industries.

Key Features of our services:

- Demand-Supply Matching
- Supply Chain Lead Time Reduction
- Commodity Cost Reduction
- Assurance of Supply Management
- Procurement Risk Management
- Supplier Quality Management

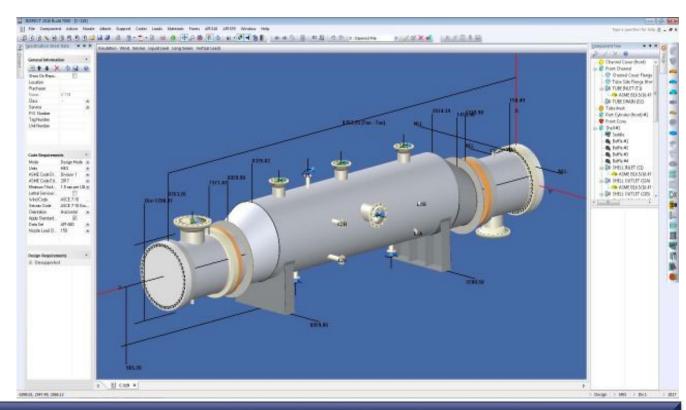




TRAINING AND DEVELOPMENT SERVICES

We are offering following training courses to our employees and clients:

- Process Simulation & Modeling Aspen Hysys Basic/Advance
- Equipment Design Engineering
- Plant Design Engineering
- Process Design Fundamentals
- Heat Exchanger Thermal Designs & Selection
- HTRI & EDR Training
- Codeware Compress Training
- P&ID and PFD Development
- Piping Design Engineering
- AutoCAD 2D&3D
- CADwokx Plant & Equipment



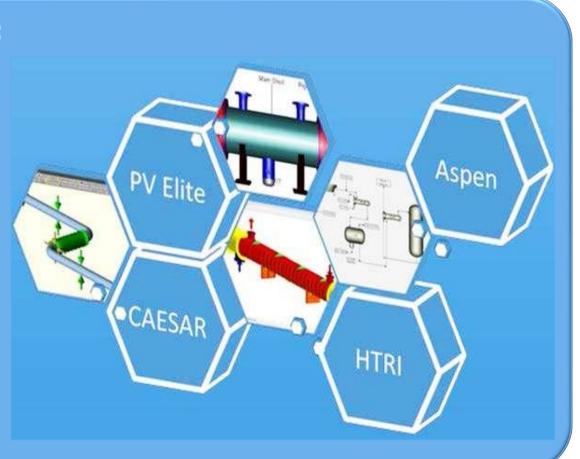
TRAINING AND DEVELOPMENT SERVICES

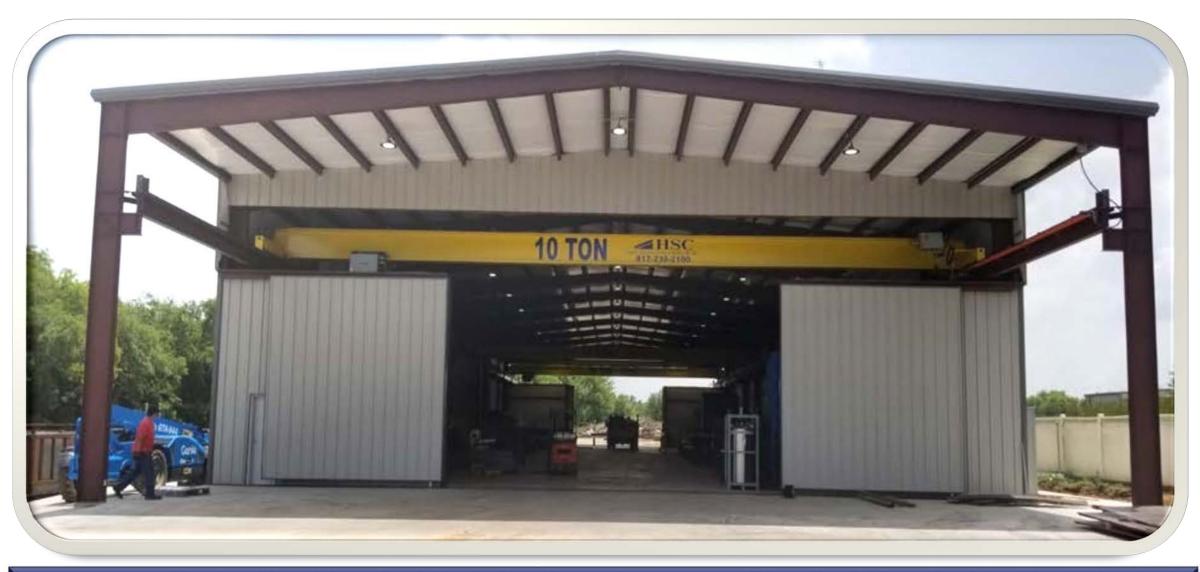
ENGINEERING DESIGN SOFTWARE



Engineering Software:

- Aspen Plus
- HTRI
- PV Elite
- Codeware Compress
- CAESAR
- AutoCAD
- CADWorkx
- STAAD Pro
- RAM Connection
- Ansys Workbench
- Nozzle Pro























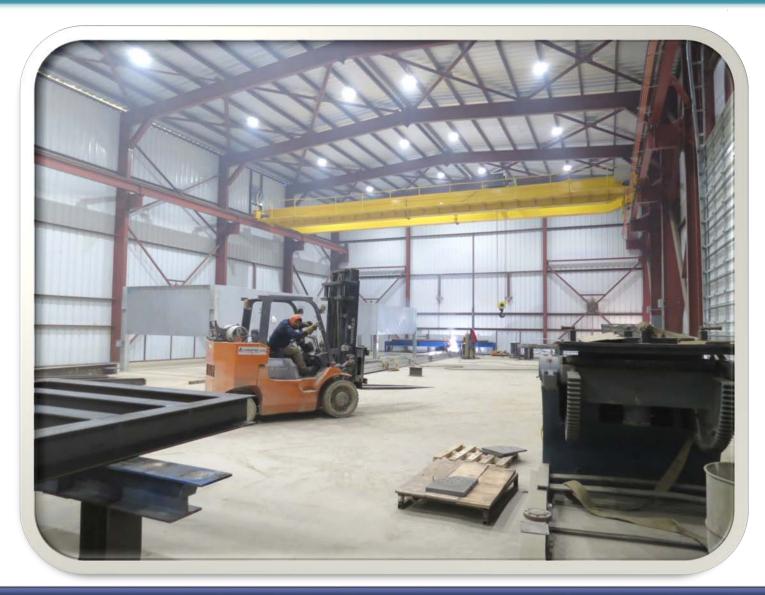


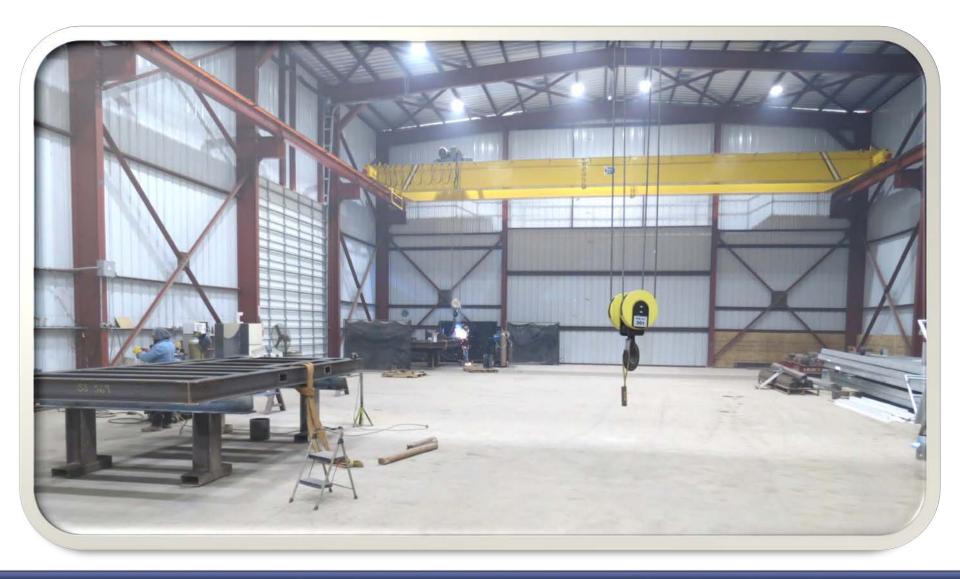


















OUR MACHINESHOPS

OUR MACHINESHOPS



OUR MACHINESHOPS



Description	Capacity	Quantity
Over Head Cranes	20 Tons	3
Over Head Cranes	15 Tons	1
Over Head Cranes	10 Tons	3
Fork Lifter	20 Tons	2
Fork Lifter	10 Tons	2
Fork Lifter	6 Tons	3

Description	Capacity	Quantity
Press Brake	230 Tons	1
Press Brake	350 Tons	1
Plasma Cutting Machine	40 Ft	1
Plasma Cutting Machine	20 Ft	1
Sub-Arc Welding Machine	6 Ft Manipulator	2
Rolling Machine	3" Thk	1

Description	Capacity	Quantity
Auto Gas Cutting Machine	up to 2.5"	2
Copy Gas Cutting Machine	up to 2.5"	1
Power Cutter Machine		4
Power Hacksaw Machine		3
Shearing Machine		1
Bending Machine		1

Description	Capacity	Quantity
Pipe Rolling Machine	Max Ø 2"Pipe rolling	1
Welding Plants		14
Pipe Bending Machine	1/2" to 4"	1
Nibbling Machine	15-30 Ton	1
Milling Machine	Length 45"	1
Lathe Machine		1

Description	Capacity	Quantity
Radial Drill Machine	3/8" to,8"Hole	1
Fix Drill Machine	5mm-42mm dia	1
Magnet Drill Machine	Max 25mm Hole	2
CNC Machine (Plate Holling)	Holling Max 12 To, 23mm	1
Shaper Machine		2
Surface Grinder Machine		1

Description	Capacity	Quantity
Table Grinder Machine		1
Air Compressor	5-20 bar	2
Deisel Generator	35-310KVA	1



































7000 T.R. Refrigeration System





5000 T.R. REFRIGERATION SYETEM

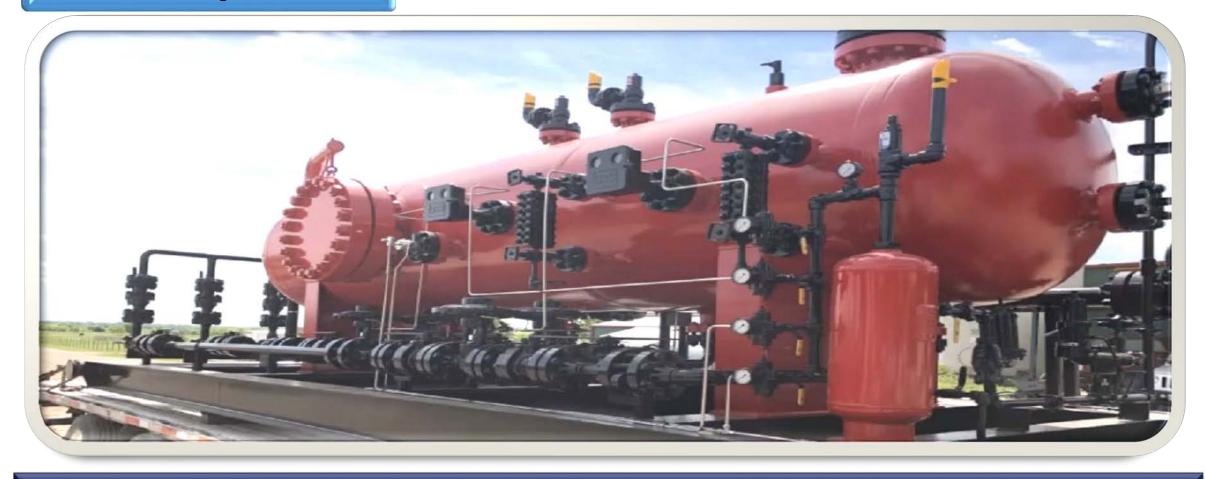




3 MMSCFD PROCESS GAS COMPRESSION SYSTEM



SKID Mounted Separator



Big Tex Sand Screen CTB 250





Flooded Evaporator





Sand Screens





SKID Mounted Test Separator







Horizontal Vapor Recovery Vessel







Fire Tube Vessels





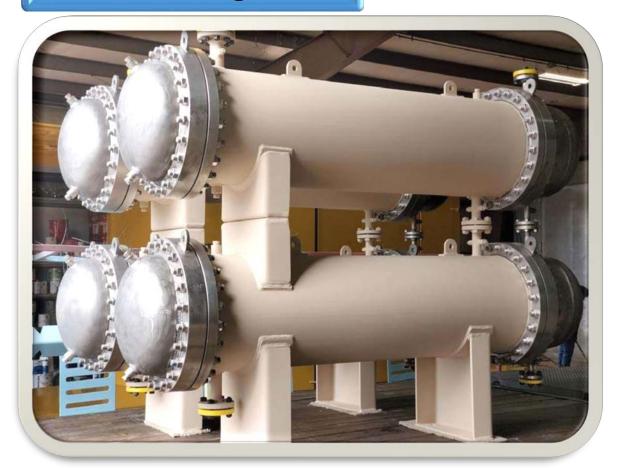
Oil Separators with Compressor and Motor Structures on Top







S & T Heat Exchangers





S & T Heat Exchangers









Stainless steel 304 & 316 storage tanks in different shapes and capacities for food & beverage, fragrance & flavor, pharmaceutical, powder & chemical products





































Hairpin Heat Exchangers





Hairpin Heat Exchangers





2. PRODUCT DETAILS







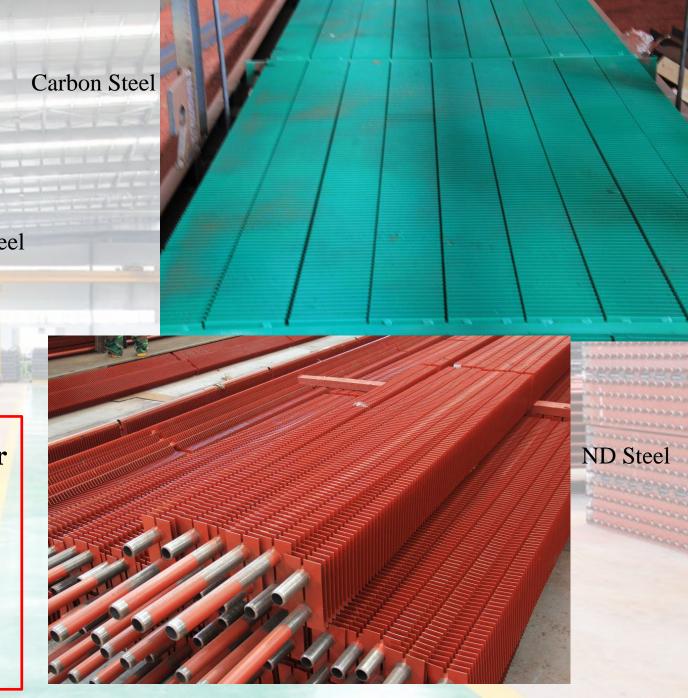
Fin Tube
Manifold Header
Economizer
Steam Drum
Water Wall Panel
Air Preheater
Heat Exchanger
Reactor



FIN TUBES H-type



Elite is dedicated for producing boiler fine tubes, which are part of an economizer. Our fin tube is an ideal method for increasing the heating surface of boilers, and improving boiler heat transfer efficiency.





Manifold headers are tie multiple steam carrying pipes, which are widely used in a boiler room as a distribution hub in all steam boiler generators and hot water boiler heating systems.



PACKING AND TRANSPORTAION



Inside Film Packing

Outside Tarpaulin Packing

Transportation Saddle

Transportation

CERTIFICATIONS



CERTIFICATE OF AUTHORIZATION

The named company is authorized by The American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the ASME Single Certification Mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with the ASME Single Certification Mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

CHEMTED LLC 981 N HWY TX-174 Rio Vista, Texas 76093 United States

SCOPE:

EXPIRES:

Manufacture of pressure vessels at the above location and field sites controlled by the above location (This authorization does not cover impregnated graphite)

AUTHORIZED:

March 06, 2023 February 17, 2026

CERTIFICATE NUMBER: 58542

RIFICATE NUMBER: 30342

Rate B. Cymboard Chair, Conformity Assessment

Managing Director, Standards & Engineering Services







CERTIFICATE OF AUTHORIZATION

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COMPANY:

CHEMTED LLC 981 N HWY TX-174 Rio Vista, Texas 76093 United States

SCOPE:

Manufacture of Class 1 and Class 2 pressure vessels at the above location and field sites controlled by the above location

AUTHORIZED:

February 17, 2023

EXPIRES:

February 17, 2026

CERTIFICATE NUMBER: 60659

Rad b Copus Board Chair, Conformity Assessment

Managing Director, Standards & Engineering Services



THE NATIONAL BOARD

7F

BOILER & PRESSURE VESSEL INSPECTORS

Certificate of Authorization



This is to certify that

CHEMTED LLC 7990 Dick Price Rd Mansfield, Texas 76063 United States

is authorized to use the R Symbol in accordance with the provisions of the National Board Inspection Code and NB-415, Accreditation of "R" Repair Organizations.

All activities within the scope of this Authorization shall be controlled by the above location.

The scope of this Authorization is limited to:

Metallic Repairs and Alterations

Shop and Field Locations

Certification Number:

11333

Issue Date: Expiration Date: January 9, 2020 January 8, 2023

Executive Director

January 8, 2023



OF

BOILER & PRESSURE VESSEL INSPECTORS

Certificate of Authorization to Register



This is to certify that

CHEMTED LLC 7990 Dick Price Rd Mansfield, Texas 76063 United States

is authorized to apply the "NB" mark and register boilers, pressure vessels or other pressure retaining items with the National Board.

The scope of Authorization is limited to items manufactured in accordance with:

ASME Designator(s):

II

Issue Date:

March 6, 2020

This Certificate of Authorization to Register will remain in effect as long as the manufacturing organization holds a valid Certificate of Authorization issued by the American Society of Mechanical Engineers.

Executive Director

Soil Church

CERTIFICATIONS



The American Society of Mechanical Engineers

CERTIFICATE OF AUTHORIZATION

The named company is authorized by The American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the ASME Single Certification Mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with the ASME Single Certification Mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

CHEMTED LLC 981 N HWY TX-174 Rio Vista, Texas 76093 United States

SCOPE:

Manufacture and assembly of power boilers at the above location and field sites controlled by the above location

AUTHORIZED:

May 17, 2024

EXPIRES:

May 17, 2027

CERTIFICATE NUMBER:

Rial b. Cyun

Board Chair, Conformity Assessment





CONFIRMATION OF PROVIDING PRESSURE EQUIPMENT DIRECTIVE (PED) INSPECTION SERVICES

TO WHOM IT MAY CONCERN

We are pleased to confirm that CHEMTED LLC has contracted with Bureau Veritas Inspection and Insurance Company to provide Pressure Equipment Directive (PED) Inspection per the Scope of Work below.

SCOPE OF WORK

Inspection Requirements (including Specifications, Codes and Standards)

To perform Conformity Assessment Services according to Pressure Equipment Directive (PED) (2014/68/EU) through the Notified Body Notification No. 0062.

The performance of such notified Certification Services shall be carried out based upon the information provided on the Directive Application Forms and according to the applicable PED Service Description Sheets.

For each PED Order in the future, you shall complete, and return to Bureau Veritas, the Directive Application Forms duly completed with equipment description information and conformity assessment modules applicable for the equipment.

Besides Notified Body PED services, we may also provide the following services:

- · Gap analysis or pre-audit for quality modules;
- Training on PED awareness;
- Witnessing/qualification for WPS/PQR/WPQ/WPOQ's required qualification as Notified Body;
- Witnessing material testing for 3.2 certification;
- · Approval as Notified Body of operating procedure and personnel for permanent joining.

PED Notified Body services are performed under the Cofrac Accreditation reference 3-1352.

Russell Offringa Director of Operations

Nov 2018

ISOOAR

Certificate of Registration

This is to certify that the Quality Management System of:

CHEMTED, LLC.

7990 Dick Price Road, Mansfield, TX 76063

has been approved by ISOQAR to the following standard(s)

ISO 9001: 2015

Certificate Number:

18001QMS001

Scope of Activities:

Design, Manufacture and Repair of Pressure Vessels,

Heat Exchangers and Process Systems.

Signed:

(on behalf of ISOQAR)

Andrew Smith

Initial Registration Date:

28 February 2020

Expiry Date:

27 February 2023







This certificate has been issued by ISOQAR Inc, 24840 Burnt Pine Drive, Suite 5, Bonita Springs, FL 34134, USA and will remain current subject to the company maintaining its system to the required standard(s). This will be monitored regularly by ISOCAR. The use of the ANAB Accreditation Chare Accreditation Cates Accreditation Cates Accreditation Cates Everther clarification regarding the scope of this certificate and the applicability of the standard requirements may be obtained by consulting the organization

1 239 947 6980

www.isogarinc.com.

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Certificate of Registration

This is to certify that the Quality Management System of:

CHEMTED LLC 981 N HWY TX-174 Rio Vista TX 76093

Has been approved by ISO Accelerator and is compliant with the requirements of:

ISO9001:2015

For the following scope of activities

Design, Manufacture and Repair of Pressure Vessels, Heat Exc<mark>hange</mark>rs and Process

Systems

Certificate Number: 9891724

Initial Registration Date: 03 Dec 2024 Latest Issue: 03 Dec 2024 Expiry Date: 03 Dec 2025

Authorised By: Elisabeth Inns

Elisabeth Inns, Global Assurance Director





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To verify the validity and authenticity of this certificate simply download the Countermark App and scan the unique countermark above, alternatively visit www.countermark.com/search-countermarks







This certificate remains the property of ISO Accelerator and is bound by the conditions of the certification contract.

Head Office: ISO Accelerator, 3 Mitchell Point, Ensign Way, Hamble-le-Rice, Southampton, SO31 4RF



Certificate of Registration

This is to certify that the Environmental Management System of:

CHEMTED LLC 981 N HWY TX-174 Rio Vista TX 76093

Has been approved by ISO Accelerator and is compliant with the requirements of:

ISO14001:2015

For the following scope of activities

Design, Manufacture and Repair of Pressure Vessels, Heat Exchangers and Process

Certificate Number:

9891725

Initial Registration Date:

03 Dec 2024 Latest Issue:

03 Dec 2024 Expiry Date: 03 Dec 2025

Authorised By: Elisabeth Inns

Elisabeth Inns, Global Assurance Director

TAFD-YH16-RTUP-S9EP RJ48-1Y3P-QBFN-Q6J8





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This certificate remains the property of ISO Accelerator and is bound by the conditions of the certification contract. Head Office: ISO Accelerator, 3 Mitchell Point, Ensign Way, Hamble-le-Rice, Southampton, SO31 4RF

REGISTRATIONS

We design, fabricate and supply our equipment and other engineering systems according to Canadian Registration (CRN), Tubular Exchangers Manufacturers Association (TEMA) Standard, API 660 and PD 5500.





CHEMTED LLC

- info@chemted.com
- www.chemted.com
- **+1 214 680 6013**
- 981 N HWY TX-174 Rio Vista, Texas - 76063 United States

