



INFRASTRUCTURE SOLUTIONS for Terminals & Power Generation



TransTech Energy + Bendel Tank & Heat Exchanger + ESI + Maddox Industrial Group + Metalforms

Houston, TX + McGregor, TX + Beaumont, TX + Charlotte, NC + Indianapolis, IN + Sisters, OR + Rocky Mount, NC + Missoula, MT + Cleveland, OH



***Where engineering
meets fabrication***

Industry Experts

TransTech Energy is a leading provider of LPG & LNG storage and handling infrastructure solutions to support LPG and LNG power generation. We also deliver comprehensive solutions for industrial energy applications requiring LPG/Propane storage and vaporization.

With in-house engineering design and fabrication capabilities, **construction, site installation, and field services expertise**, we've delivered service excellence and an unwavering commitment to quality and safety over six decades.

With fabrication facilities in **McGregor, Texas; Rocky Mount and Charlotte, North Carolina**; and offices in **Houston, Texas; Rocky Mount, North Carolina; and Cleveland, Ohio**; we offer the capabilities, capacity, and flexibility to meet the diverse needs of our customers worldwide.



Capabilities

- ASME U, U2, U3, and S Certifications
- NBIC Certification - R-Stamp
- TEMA Class R, C & B
- APL-660, APL-650, APL-620
- NFPA-22

Materials

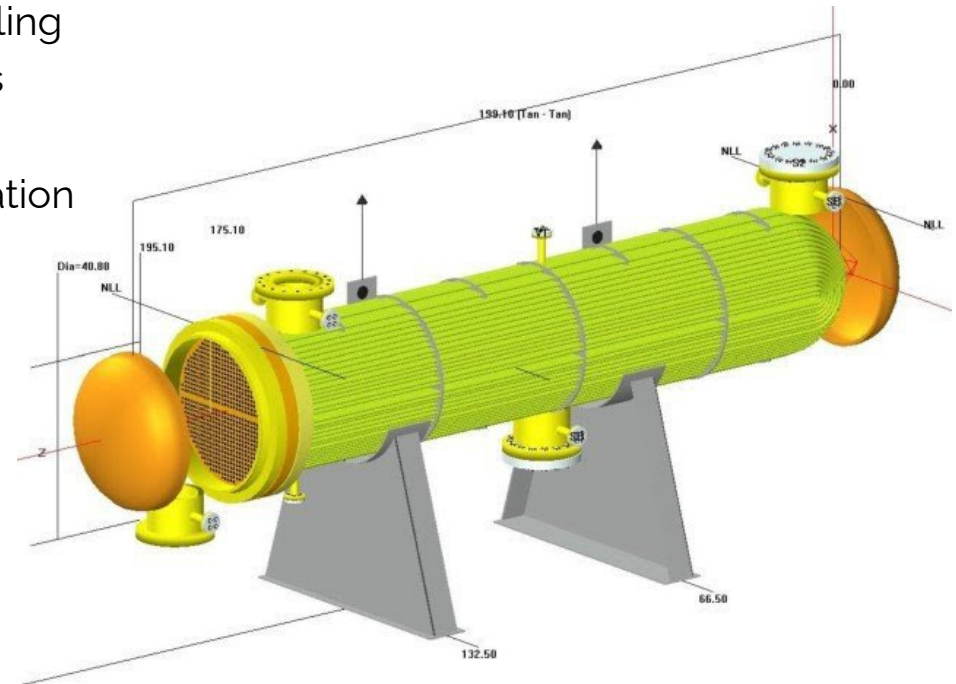
- Carbon Steel
- Austenitic Stainless Steel - 304, 310, 316L, 317L, 321, 347
- Super Austenitic Stainless Steel - ALLOY 20, 904L, AL6XN
- Duplex Stainless Steel - 2205, 2507
- HASTELLOY - C22, C276, C2000
- Other Nickel Alloys - Nickel 200/201, Monel 400

Features

- Vessels of any Length-with thickness up to 5"
- Carbon & stainless steel
- Complex, high pressure, heavy wall
- Process internals specification and installation
- Pressure piping

Engineering & Design

- COMPRESS: Mechanical design of Pressure Vessels, Reactors, and Shell & Tube Heat Exchangers
- HTRI: Thermal analysis of Shell & Tube Heat Exchangers
- AME Tank - Rapid configuration, design, and detailing of above-ground API-650 & API-620 storage tanks
- CUSTOM "in-House" programs: Developed by our experienced engineering staff for the efficient creation of Bill of Materials and Customer Quotations
- Nozzle Pro for FEA
- Inventor
- AutoCAD Plant 3D





Services

- Design & Engineering
- ASME Fabrication
- On-site NDE (RT & PAUT)
- Vessel & Equipment Storage & Staging
- Logistics/Permitting, Heavy Hauling & Delivery
- Tank/Equipment Set & Installation
- Commissioning & Startup
- Contract In-House Machining, Milling and Tubesheet Drilling Capabilities
- R-Stamp Repair & Modification - Shop & Field
- In-field Maintenance & Upgrades
- In-field Consultative Trouble-Shooting
- Training



★ Administrative & Sales Offices
★ Fabrication Facilities & Sales



Beaumont, TX
170,000 square foot
fabrication facility
Metalforms



McGregor, TX
170,000 square foot
fabrication facility
TransTech Fabrication



Charlotte, NC
65,000 square foot
fabrication facility
Bendel Tank & Heat
Exchanger



Indianapolis, IN
46,000 square foot
fabrication facility
Maddox Industrial Group



Rocky Mount, NC
25,000 square foot
fabrication facility
TransTech Energy



Sisters, OR
20,000 square foot
fabrication facility
ESI



Power Generation

TransTech supplies complete LPG & LNG storage and handling infrastructure solutions to support power generation applications, including base load, distributed power generation, combined heat and power (CHP), and back-up power generation.

- Distributed power generation solutions
- High-pressure LPG gasification & storage infrastructure for gas engine/turbine applications
- Turnkey storage plant & terminal design-build
- Rapid deploy modular infrastructure options
- SNG to LNG bridging - interim natural gas substitute
- Base load, standby & peak shaving solutions



Industrial Energy Solutions

TransTech offers comprehensive design, engineering and construction services for industrial energy applications requiring **LPG/Propane storage and vaporization**, **LNG storage and gasification**, and **Synthetic Natural Gas (SNG/Propane-air)** supply solutions including:

- LPG/Propane vaporization
- LNG re-gasification
- SNG blending
- Pumps, compressors, metering, filtration, automation
- Storage tank fabrication, bulk storage plants & terminals
- Baseload, back-up, peak shaving and bridge-fuel solutions



Terminal Solutions

Our scalable bulk LPG and LNG storage options provide an ideal solution for supporting high volumes of LPG & LNG consumption, with storage tanks available in an array of sizes up to 120,000 gallons and more.

- Truck, rail, pipeline, & marine import & export terminal engineering & construction
- In-house project consulting services
- Storage tank fabrication & equipment sales
- Loading, unloading, & custody transfer skids
- Logistics coordination, over the road and ocean shipments
- Commissioning, startup, and training









Critical Fuel Supply

TransTech offers a variety of critical fuel infrastructure solutions for power generation and back up natural gas fuel supply. Our critical fuel systems can be used to supplement insufficient or unreliable natural gas pipeline capacity, offset seasonal variations in supply, and shoulder any other planned—or unexpected—additional load requirements.

Installing a back-up fuel supply system is an excellent way to not only reduce risk, but also avoid the severe financial costs that can be associated with supply curtailment. For those using natural gas fuel, liquefied natural gas (LNG) or synthetic natural gas (SNG/Propane air mix) is an ideal backup fuel solution.





Mark Wenik

Director - Engineered Solutions Group

Office: 215-600-1692

Mobile: 215-779-6746

mwenik@transtechenergy.com