

## CASE STUDY - 12,000-GALLON LPG/PROPANE VAPORIZATION SYSTEM FOR NEW MANUFACTURING FACILITY

TransTech Energy was contracted to install a 12,000-gallon LPG/Propane vaporization system for a new manufacturing facility. The project involved refurbishing a 12,000-gallon propane storage tank, installing two Ransome RH-600 vaporizers with a regulator skid, and implementing a 400 ft. welded steel piping system. This comprehensive solution provided redundancy for vapor service, pressure regulation, and over-pressurization protection.



### UNIQUE CHALLENGE

TransTech Energy successfully tackled various unique challenges during the project. With a tight timeframe to align the system's operation with the new facility going online, they executed the installation of the underground vapor line over a single weekend. This strategic scheduling minimized interruptions, ensuring uninterrupted daily truck and forklift traffic, and enabling the manufacturing facility to proceed without delays.

Navigating the above-ground piping posed another challenge as it had to run alongside existing steel supports, with the final 150 feet needing field routing to accommodate equipment not initially identified during construction. TransTech Energy meticulously designed and installed this piping section, ensuring it didn't interfere with equipment installation or impact the startup date. Overcoming limited overhead access, the team installed extensive temporary overhead rigging to facilitate pipe routing to the new gas train.

### PROJECT OVERVIEW

#### EQUIPMENT:

Refurbished 12,000 Gallon Propane Storage Tank, (2) Ransome Vaporizers With Regulator Skid, Piping System

#### SCOPE OF WORK:

- Installation of Propane Vapor Supply System
- Refurbishment of 12,000-Gallon Propane Storage Tank & Inspection/Certification for Propane Service.
- Fabrication of Regulator Skid, & Welded 400' of 4" Steel Piping
- Design & Engineering
- Concrete Pad Design & Installation of Foundations
- Start-up, Commissioning, & Training

## INDUSTRIAL CRITICAL FUEL SUPPLY SYSTEMS

TransTech Energy is a leading provider of Critical Fuel Supply Systems in the United States, Latin America and the Caribbean, backed by over six decades of experience.

Engineered to ensure an uninterrupted fuel supply in the event of grid or utility failure, fuel supply curtailment, or any other disruption, our critical fuel supply systems deliver reliable fuel availability—and security—to mission critical facilities such as hospitals, government and public safety entities, municipal water and water treatment facilities, data centers and telecommunications; chemical, biotech and industrial manufactures and others.

## INDUSTRY-LEADING SOLUTIONS

We provide highly reliable, industry-leading solutions that ensure an uninterrupted flow of fuel for your operations from the point of fuel delivery at your site to powering your gas engines or turbines—and everything in between, including bulk storage tanks, transfer equipment, vaporization and blending technology, controls and piping.

Our complete end-to-end approach spans every stage of your critical fuel supply implementation from system sizing and design, engineering and construction, to commissioning and startup, operator training and maintenance. Remote monitoring and control capabilities are also available.



 **TRANSTECH ENERGY**

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