

LNG Storage and Regasification

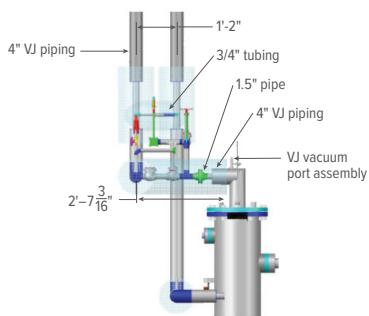
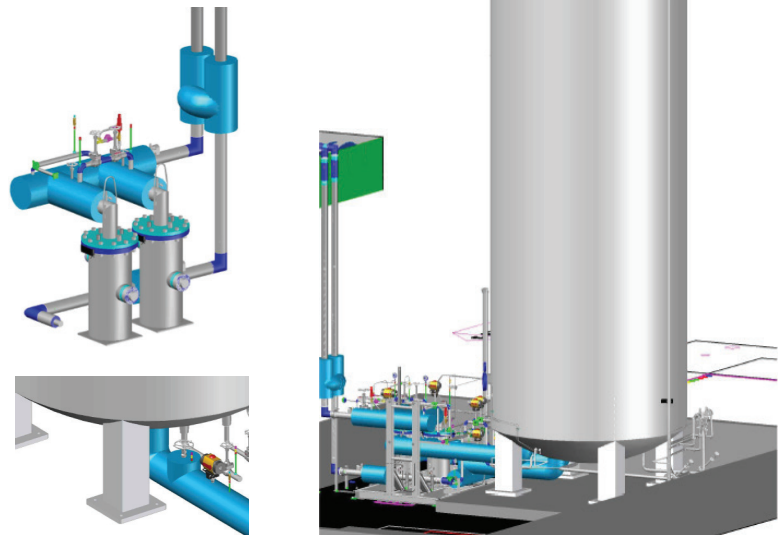
Clean Energy delivers high-performance, turnkey LNG storage and regasification solutions that maximize reliability, efficiency, and safety while minimizing lifecycle cost. We combine advanced cryogenic storage design, optimized vaporization technologies, and integrated system controls to provide dependable natural gas supply in even the most demanding environments. Our systems are engineered for rapid deployment, scalable capacity, and operational flexibility, supporting applications from peak shaving and fuel switching to off-grid energy supply.

Key features:

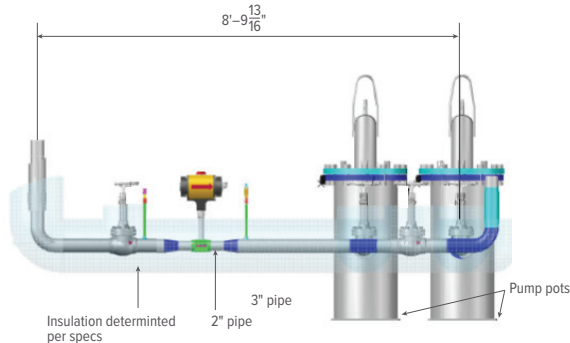
- Unloading systems and transfer pumps
- Compressors systems to manage vaporized LNG
- Full containment LNG storage with capacity range of 4,000 - 40,000 gallons per storage tank
- Automated control of pumps, vaporizers, and valves
- ESD systems
- Advanced control & monitoring
- Predictive maintenance
- Design conditions for -260 °F near atmospheric pressure up to 175 psig MAWP
- Insulation systems to minimize heat ingress and boil-off
- Submerged pumps supplying LNG to high-pressure pumps
- Ambient vaporizers, metering systems, pressure regulation, gas heating, and odorization
- Compliance to industry standards
 - ASME
 - API
 - NFPA
 - DOT
 - Or local regulatory codes

Specifications:

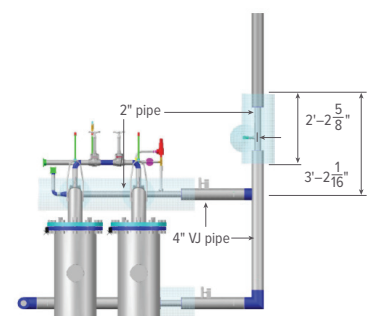
- LNG storage temperature: -260 °F
- LNG density: 3.59–3.92 lb/gal
- Individual tank capacity: 4,000–40,000 gallons
- BOG generation rate: 0.05–0.15% per day
- Send-out pressure: 25–750 PSI
- Regasification capacity: 50–1,000+ MMSCFD
- Pump discharge pressure: Up to 750 PSI
- LNG transfer rate: 20–220 GPM
- Threshold: 1–30 kW



Front view



Side view



Side view

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