



Linde's LNG Fueling Solutions: Now Available for Fleets

New Technology Solves Key Issues

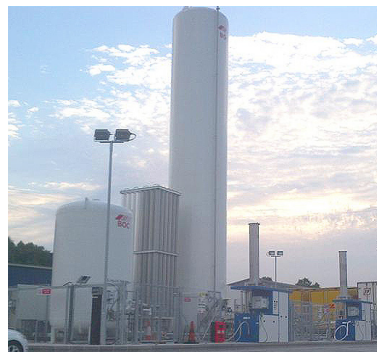
Linde has designed and developed a new LNG station using patent-pending technology that offers important advantages compared to existing stations. In particular, these commercial stations offer exceptional performance, and are economical and scalable as fleet needs expand. Linde has commissioned the first stations incorporating these design elements in the UK and Australia, and is building its first station in North America, which will be commercialized in January 2014. Linde's new station design addresses numerous issues that have previously plagued the LNG fueling area:

Design Requirements

- Safe operation
- Fast refueling for high-intensity operations
- Low total cost of ownership
- Quick installation
- Consistent auto-mode operation
- Accurate metering
- Zero venting to atmosphere
- Able to handle various on-board tank pressures

Solutions

- Safety first approach
 - Meets all nationally recognized codes & standards
 - HAZOP'd
- High-capacity LNG dispenser can fuel 8-10 trucks/hour
- Simple, scalable and modular concept for simplified installation, reduced lead-time and flexibility
- Cold bulk storage, vent recovery and liquid nitrogen (LIN) where necessary to control fill temperatures/ pressures and prevent tank venting
- Conditioning module for saturated filling on the fly
- Multiple dispenser and certified meter options
- Readily modified for LCNG dispensing



Linde's Technology Suite Supports All Stages of Your Deployment of LNG Fuel

Linde's mobile fueling equipment and new station design allow you to both try LNG fueling for the first time and commercially deploy LNG trucks whatever your volume requirements. Linde's programs can be tailored to your fleet's turnover with end-of-lease options to renew or replace with expected future technical improvements:

Stage	Solution	Fuel	Service
LNG Trial	Mobile Fueller Rental*	Linde Supplies	Linde Supplies
Commercial LNG Deployment	Station Lease (1 dispenser)	Linde Supplies	Linde Supplies
LNG Fleet Expansion	Add dispenser(s) to station	Linde Supplies	Linde Supplies



*Linde's mobile fueling units are fully self-contained systems with 6,000 gallons of LNG storage that can be moved from one site to another easily, is sophisticated enough to be placed on-site for longer term demonstrations or pilot programs, is self sustaining (has on-board power, etc.) and requires minimal site permitting and site preparation.

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- Cost Savings** Linde works with you to reduce costs through careful equipment selection and integration of our design and engineering solutions with your personnel. We evaluate site-specific needs and local product requirements and undertake ongoing remote monitoring and maintenance. Relying on Linde personnel allows fleet managers to avoid costly staffing and redundant training. Linde's supply network addresses demand variations at low cost.
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- Service** ISO 9002-certified since 1994, Linde provides remote operations capabilities, services support and coordination of deliveries and tank-related services, as well as predictive and preventive maintenance. Proprietary software enables us to efficiently deliver product when and where it is needed at any time, 365 days a year.
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- Linde's Commitment to LNG Fueling** Linde has activities across the supply chain relevant to the production and use of natural gas fuels. Offering turnkey supply, including production from LNG plant networks, distribution and logistics, and mobile and permanent fueling stations, Linde delivers complete solutions for fleets. Linde is also a dedicated LNG fuel customer; we've started converting our fleet and will have over 40 LNG-fueled tractors operating in 2014.
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- Linde Traditions** For more than 100 years, Linde has led the way in cryogenic gas project development, plant operations, distribution and logistics, and management of assets and tools. For LNG and LCNG for transportation, Linde is your partner for safety, reliability, cost savings and excellent customer service.
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- Safety** Linde, a Responsible Care® company, has a "safety-first" culture. Our people have specialized design and engineering expertise and are skilled in HAZOP and emergency response planning. We offer major hazard reviews, process safety management and loss prevention programs, and emergency response and personnel safety protection systems. The results have led to world-class performance and numerous safety awards. For LNG, we will assess the site and advise on equipment positioning via a formal site review, ensuring setbacks and other requirements satisfy codes and standards. Linde's internal LNG training procedures will be supplied to cover equipment operation, personal protective equipment (PPE), emergency procedures. Linde will also provide routine maintenance, technical support and emergency response.
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- Reliability** You can count on the reliability and quality of Linde products. We have a top rating in the cryogenic gases industry for on-time delivery, 24/7/365. Our world-class logistics skills ensure proper management of natural gas fuel supply networks. We optimize programs for product supply, including forecasting, scheduling and dispatch. For plant operations, we apply years of experience to specific customer situations. This results in reliable plant and field operations, consistent product output and quality, and peak performance. Linde has the expertise to manage multiple plants that form a natural gas fuel supply network.
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- Talk to Linde** Linde has the experience and know-how to enable world-class approaches to LNG fueling for fleets. To find out more about LNG for transportation, visit us at www.lindelng.com.

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