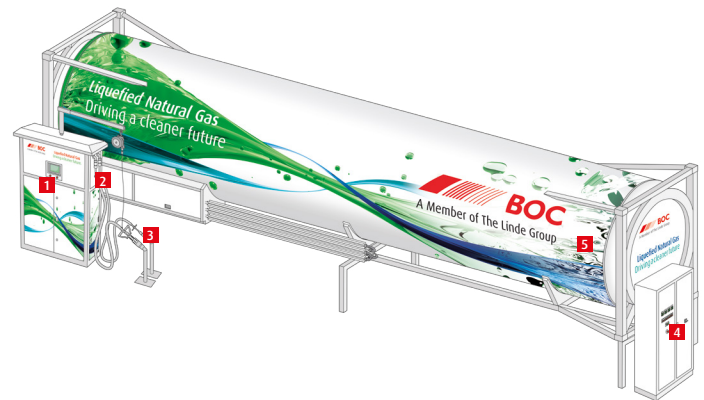


Safety working together with usability

With over 130 years of cryogenic experience BOC have incorporated design elements that enhance usability and safety, to ensure the facility operates to it's maximum and to the highest safety standards.

The design and safety elements discussed in this sheet are relevant to both the BOC Mobile Unit and Tank System. The choice will be dependant on your vehicle numbers, mileage profile and any site restrictions. However you can rest assured, by choosing BOC for your LNG supply you will have the best advice regarding:

- Planning permission and HSE approvals (where necessary)
- Site requirements
- Driver training
- Driver personal protective equipment (PPE)



1. Dispenser

- Refuels in 60-90 seconds
- Fully logged data
- User prompts can be customised
- Usage monitored by BOC to trigger automatic top up
- Mass flow metering for high accuracy measurement

2. Hoses

- Abrasion resistant for long-term use
- Bend radius limitation and spring loaded
- Break-away connectors to prevent incident in event of drive away
- Earth clamp to manage electrostatic discharge

3. Vent recovery

- Recovers gaseous methane from vehicle and pumps back into system

4. Emergency shut down panel

- Supervisory system constantly monitors key operational data:
 - Gas detection controller
 - Vent and Tricock Temperature
 - VIE pressure
 - ESD switches
 - Optional low temp leak detection
- Shuts isolation valves to protect LNG inventory
- Communicates to centralised BOC system, can trigger engineering support available 24/7

5. Gas detectors (x4)

- ATEX rated optical gas detectors
 - Detect methane in very low volumes
 - Superior to gas odourisation
 - Superior to low temperature detection
- Shut down and isolate the system

For more information on how BOC can help you enjoy the benefits of LNG, visit BOClng.co.uk or email cleanfuels@boc.com

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