



LNG omadused, transport ja hoiustamine

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Tegevjuht

Product Range

- Oxygen, nitrogen, argon
- Acetylene and other fuel gases
- LNG
- Welding process shielding gases
- Carbon monoxide
- Hydrogen
- Medical gases
- Rare gases
- Ultra-high purity gases
- Gas application processes and services



Koostis:

Metaan	~ 90%
Etaan	~ 9%
Propaan	~ 0,6%
LNG k.p.	-163 °C
Vedel vs. gaas	1/600 liiter

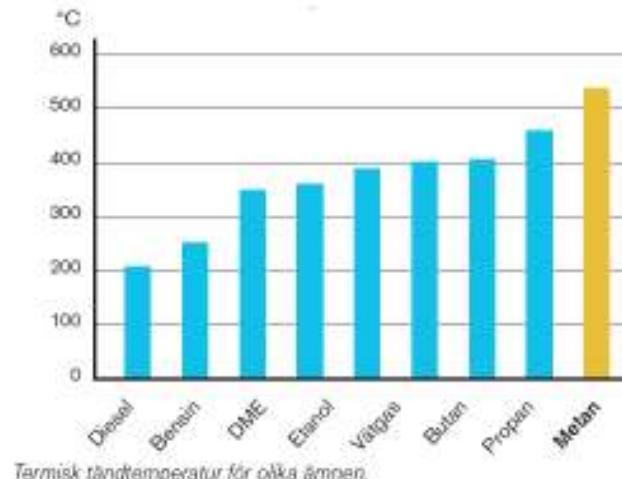
Ohutus:

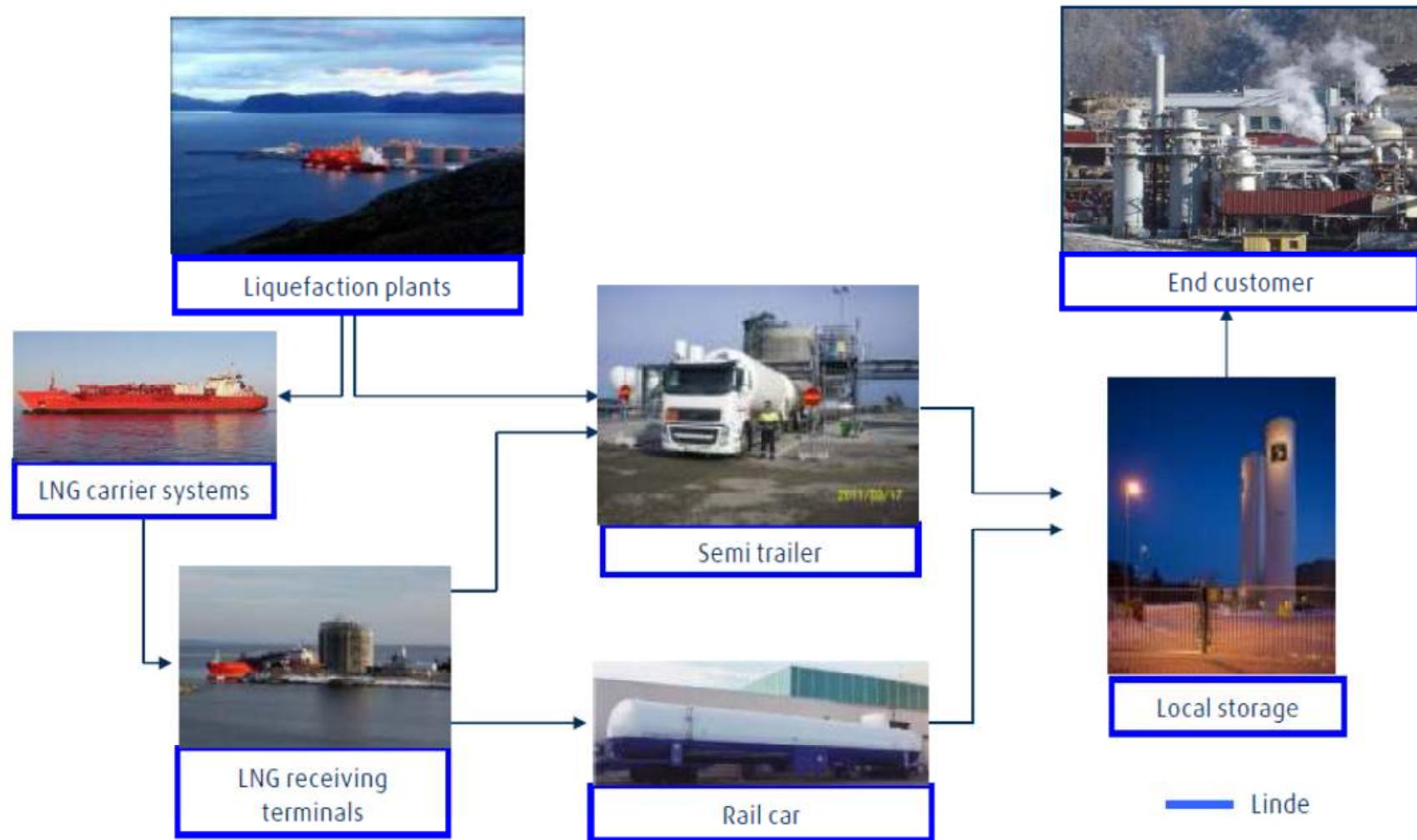
Tihedus (gaas)	0,78 kg/Nm ³
Tihedus (LNG)	~0,45 ton/m ³
Süttivus õhus	4,7-14,4% (gaasiline)
Mittemürgine	
Lõhnatu- lõhnastataav	

Põlemine:

Kütteväärthus	10,73 KWh/Nm ³
	13,7 KWh/kg (NCV)
	15,2 kWh/kg (GCV)
Jääkained vs. õliga:	
CO ₂	20-30% lower
NO	75% lower
Väävel & osakesed	low

Süttimistemperatuur:





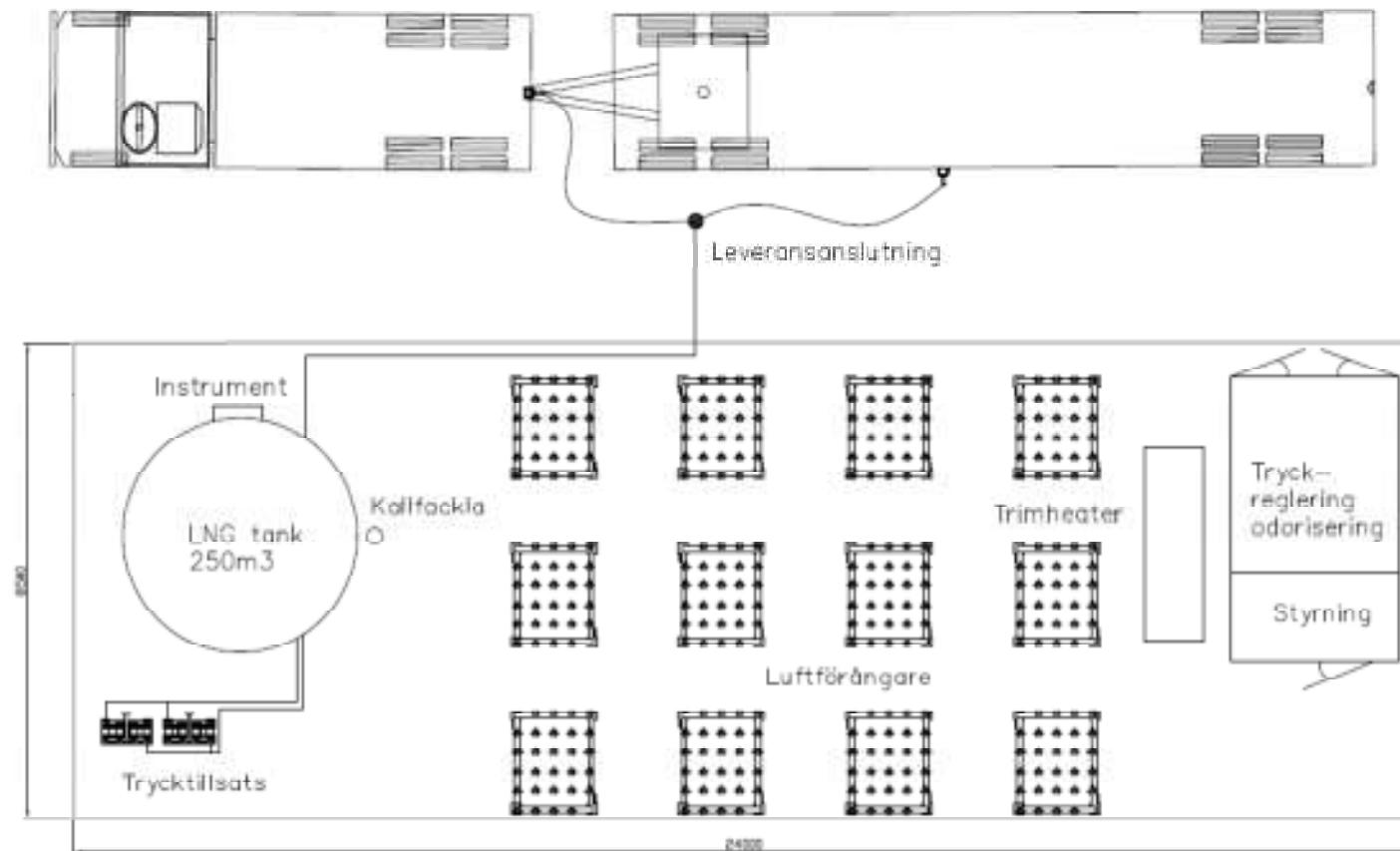
LNG keskus õhkaurustitega

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Tanklayout B



LNG keskus vesi-õhk aurustitega

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LNG transport

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Boiling point – 162 deg C, ie cryogenic

Protection clothes, gloves, boots etc

1 m³ liquid = 600 Nm³ gas

Colorless

Odorless

Ignites in a 5-15 % concentration

Ignition temperature > 500 deg C

Almost invisible fire when igniting

Burns slowly

Use fire extinguisher or foam



Küsimused?

Tänan!

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