

LNG AS FUEL @TGE



INTRODUCTION

In collaboration with our shareholder CIMC-Enric TGE has entered the innovative business for LNG as a transport fuel applications.

TGE offers:

LNG/CNG FUELING STATIONS FOR ROAD VEHICLES

TECHNICAL DATA

LNG storage tank	Vertical, double-walled vacuum-perlite-insulated
LNG offloading point	Automatic valve, purge valve, control panel
Evaporators	For pressure build-up and saturation
LNG pump skid	Submerged centrifugal pump, vacuum insulated
LNG dispenser	LNG refueling & vent return line

Payment system	Customer data management/reporting/vehicle analysis
Control system	Control room, air conditioning
Foundation	Concrete
Engineering	Documentation/manuals/HAZOP/risk analysis
Safety equipment	Gas-, flame-detectors/safety valves
CNG fueling station	High pressure pump/heater element/odorisation/safety panel/storage cylinders/dispenser
Regulations & standards & approvals	PED/EMS/ATEX/EN 13458/ISO 16924/MID/CE marking/local approvals

ADVANTAGES

- Turnkey solution including LNG supply and operation can be provided with partners
- TGE can refer to CIMC experience who built more than 100 fueling stations in 2016/2017
- LNG logistic supply via telemetric remote control

LNG FUELING CYLINDER SYSTEM FOR HEAVY DUTY ROAD VEHICLES

We offer an autonomous LNG Kit, including all relevant components, real plug and play without long work-, shop- or downtime. Readily preassembled on a frame, the closed fuel system can be easily installed on the vehicle. A fast way to implement all advantages of LNG as a propulsion fuel.

TECHNICAL DATA

Insulation	Double-walled vacuum insulated
Material	Inner vessel: Stainless steel (X5CrNr 18-10)/Outer jacket: Stainless steel (X5CrNr 18-10)
Capacity	450 liter geometrical volume (350 & 530 liter)
Approval	ECE R110 LNG
Proven holding time	6,5 days
Driving distance	Up to 1,400 km (twin system 2 x 530 liter)

ADVANTAGES

- Fast, easy conversion
- Easy and safe operation through easily accessible control valves
- Service friendly construction – reduced spare part variety
- High process reliability – while refueling or on cold start
- Pressure building unit (PBU)
- Strong frame construction which can be used as a frame for a storage box or a climbing aid

For further information

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