One-Stop Shop – LNG – a propulsion fuel for Trucks
Globally Serving you

TGE looks upon over 30 years of experience in design, procurement and construction of cryogenic storage facilities and terminals for liquefied gases.

Its services and solutions for export and import terminals for Liquefied Natural Gas (LNG) and Liquefied Petroleum Gas (LPG) help to accommodate the increasing worldwide demands for clean energy.

With the support of TGE’s parent company CIMC, listed on the Shenzhen Stock Exchange, and offices located around the world, TGE is in the position to provide the best solutions for its customers worldwide.

LNG as a new propulsion fuel for your company

Continued fuel price increases for Diesel, higher demands on environmentally friendly exhaust emission standards and tighter noise limits in urban areas, affects economic efficiency of trucking companies in many cases.

By providing a high level of flexibility within environmental and economic constraints LNG becomes a more attractive alternative to conventional fuels.

When comparing conventional fuels, LNG as an alternative has the potential to provide economic and environmental benefits, not only for your truck fleet, but also for the shipowner, railway companies and other industrial vehicles and machinery.
Why LNG?

| Environment | • Reduction in carbon dioxide (CO₂) by 25% and sulphur oxide (SOₓ) by 95%  
|             | • Reduction in nitrogen oxide (NOₓ) by 90%  
| Advantages  | • Cleaner engine combustion resulting in reduced maintenance costs  
|             | • Increased individual vehicle efficiency due to less down time  
| Economic    | • Stable future LNG price outlook  
|             | • Lower fuel costs creating additional profits for your company  

An example for the enormous potential of fuel cost savings due to the conversion of operating trucks to an LNG propelled engine is shown below*:

<table>
<thead>
<tr>
<th>Cost saving potentials for Heavy Duty Trucks</th>
<th>Diesel</th>
<th>LNG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Truck fuel consumption rate (l/100 km)</td>
<td>32.0</td>
<td>65.3</td>
</tr>
<tr>
<td>Fuel price ($/litre)</td>
<td>1.45</td>
<td>0.42</td>
</tr>
<tr>
<td>Truck travel distance in a year (km)</td>
<td>150,000</td>
<td>150,000</td>
</tr>
<tr>
<td>Fuel consumption volume for one truck per year (litre)</td>
<td>48,000</td>
<td>97,920</td>
</tr>
<tr>
<td>Fuel costs for one truck per year ($)</td>
<td>69,600</td>
<td>41,126</td>
</tr>
<tr>
<td>Saved fuel costs per year ($)</td>
<td></td>
<td>28,474</td>
</tr>
</tbody>
</table>

*Note: 1 litre diesel can be replaced by 1.2 Nm³ natural gas and 1 Nm³ natural gas is close to 1.7 Litre LNG
Price for 1 Nm³ natural gas ($/Nm³) = 0.72 ; Price for diesel ($/litre) = 1.45

Fuel cost savings up to 40% by using LNG as a new propulsion fuel!

How to realize this economic improvement in your business?

**One-Stop Shop**
TGE is your partner for your complete LNG supply chain solution.

From a profitability analysis based on your needs and requests, to the engineering, procurement, construction and installation of your facilities.

**Customer Advantages:**
- **Maximise flexibility** with a modular construction system.
- **Changing future demands** can be satisfied within a short period of time.
- **Installation** reachable within a minimum time period.
- **Simplified** permit approval process.
We will support you to reach valuable benefits and to grow in the market – all in one shop!
Together with our parent company CIMC, TGE offers capital support to finance your investment to step into a market with great opportunities on both sides.

Our one-stop shop solutions simplifies yourself to focus in doing your business!