BENEFITS
LIQUEFIED NATURAL GAS
What is LNG?

- LNG is **natural gas** that has been processed to be transported in liquid form.
- Natural gas is transported in a liquid state (at atmospheric pressure and at −260 °F, -162 °C), in which the volume occupied is 1/600 times before entering the gaseous state for consumption. It is transported in special cryogenic tanks.
- LNG is odorless, colorless, non-toxic. Its density with respect to water is 0.42 and it only burns when it comes into contact with oxygen at concentrations of 5 to 15%.
- It is the best alternative to supply power to remote or isolated areas, where it is not cost effective to carry by pipelines.
- LNG is lighter than air.

*Higher efficiency for high purity level 97% methane*

*We store 2.4x more natural gas vs CNG in the same tank size*

*On-site storage, guaranteeing the supply of your operation*
Énestas, our mission

Develop the U.S. and Mexico
Access to natural gas is a basic asset for the development of any country. Our job is to make it happen.

What do we do?
How do we do it?
What do we offer?

Defining the complete solution to have access to natural gas.

We deliver the highest quality natural gas, safely, efficiently and ecologically through the largest distribution network in the region.
Why does it make sense?

- Lower Cost
- Proven Technology
- Ecofriendly
- Safer
- Multiple applications

We offer you a HIGHLY COMPETITIVE SOLUTION
INFRASTRUCTURE

Transportation Units

Fixed station

Storage tanks

Vaporizers

Mobile stations

BENEFITS

LNG
Cost comparison

Diesel vs LNG

Cost in DGE

DGE: Diesel Gallon Equivalent
Environment

**LNG vs Diesel**

- **-75%** of CO
- **-21%** Green House Gases
- **-50%** of NOx
- **-30%** of CO₂

**Comparative kg CO₂ / kg Fuel**

<table>
<thead>
<tr>
<th>Fuel</th>
<th>kg CO₂/kg Fuel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel Oil</td>
<td>3.22</td>
</tr>
<tr>
<td>Diesel</td>
<td>3.15</td>
</tr>
<tr>
<td>LPG</td>
<td>3.02</td>
</tr>
<tr>
<td>Natural Gas</td>
<td>2.55</td>
</tr>
</tbody>
</table>

\[ CO₂ = \text{Carbon Credit Capital} = \$ \]
Safe to use

- Higher autoignition temperature
  - 392°F (200º C)
  - Higher than diesel
- No spills or corrosion
  - No residues
- Better combustion
- Reduces maintenance costs
- Reduces theft
Applications by Industry

WE DEVELOP USA
Short return on investment and less maintenance

Natural Gas equipment offers a quick return on investment

**Lower Maintenance Costs**
Natural Gas ovens, incinerators, burners and boilers are easier and cheaper to maintain than diesel equipment because they have:

- No DPF (Diesel particulate filter)
- No DFP (Regeneration or waste disposal)
- No SCR (Selective catalytic reduction)
- No DEF (Diesel emission fluid)
Added values

- 24/7 support
- One point of contact
- Integrated solution
- Large distribution network
- Telemetry
- Modular growth

Enestas Benefits

LNG
Applications by Industry

- Mining
- Transportation
- Greenhouses
- Industry
- Oil and Gas

Click to view benefits.
Conversion Technology

**DUALFUEL**
- Proven technology with a substitution rate of up to 70% during the whole work cycle
- Can run 100% on Diesel
- Switches automatically between fuels and keeps diesel engine power

**DIG**
- Proven technology with a substitution rate of up to 95% during the whole work cycle (greater substitution)
- Cannot work without gas
- Similar diesel engine power and optimal use for long work hours

**LNG BENEFITS**
- Multiple gas system, regulator, In take valves and Closing valve.
- Software: Route administration
- Software: Telemetry
Power generation

WE OFFER:

- Advisory
- Quick installation
- Conversion of equipment
- Financing
- Equipments on lease

Lower your energy costs
Reduce the emission of GHG by 30%
Electricity generation wherever you want
Proven technology
Greater security
Modular Station

We offer you natural gas supply 24/7, ideal for remote locations
SAVE THOUSANDS OF DOLLARS WITH POWER GENERATION
Use CO₂ as fertilizer
The use of LNG in your greenhouse favors the CO₂ utilization, which generates results in your crops.

- **Direct Fire Heaters**
- **Heaters**
- **No power drops!**
- **Hot Air Generators**

**LNG Benefits**

- Maintain the warranty of your equipment
- Reduce your fuel costs
- LNG provides the power your boilers need
- Our solutions are modular
Tractor trucks
Transporte

**BENEFITS**

100% LNG injection system

- 1000 miles autonomy
- Same autonomy as Diesel Better
- Autonomy vs CNG Save up to 50% in fuel

Dual fuel injection system

- You don't lose power
- You save up to 20% on fuel cost
- You can work with Diesel if the LNG is over
Short return on investment and less maintenance

ROI
2 to 3 years
Return On Investment

Lower Maintenance Costs
Natural Gas ovens, incinerators, burners and boilers are easier and cheaper to maintain than diesel equipment because they have:

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  (Diesel particulate filter)
- No DFP
  Regeneration or waste disposal
- No SCR
  (Selective catalytic reduction)
- No DEF
  (Diesel emission fluid)
SHIPS
Benefits:

- Complies with SOx reduction
- Reduce your investment in fuel
- Installation in private and public ports
- 24/7 LNG supply
- We can fit your demand modularly
Trains

Benefits:

- **Save on fuel costs**
- **We create a station dedicated for your operation, supplying fuel 24/7**
- **Modular stations depending on consumption volume**
- **Eco Friendly**

100% Natural gas our dual fuel

- Consume up to 60% less fuel
- Life cycle equal to or similar to a traditional locomotive
- 90% savings on lubricants
- NOx reduction

https://www.railwayage.com/mechanical/locomotives/locomotives-is-lng-the-next-generation/
Manufacture
Manufactura

Easy installation and minimal space required

As small as 1000 ft²

We maintain the equipment warranty

On-site storage

Modular Station

Industries with LNG

- Food
- Chemistry
- Pharmaceutical
- Packaging
- Auto parts
- Textile
- And more

Benefits:
- Lower your energy costs
- 24/7 energy supply
- Operational and technical support
- Scalable according to your needs
- Speed of installation

WE DEVELOP USA
POWER GENERATION
Power generation

WE OFFER:

- Advisory
- Quick installation
- Conversion of equipment
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- Equipments on lease

We offer you natural gas supply 24/7, ideal for remote locations

SAVE THOUSANDS OF DOLLARS WITH POWER GENERATION

Lower your energy costs
Reduce the emission of GHG by 30%
Electricity generation wherever you want
Proven technology
Greater security
Modular Station
Industrial Park
Industrial Parks

Benefits:
- Reduces the emission of GHG by 30%
- Better combustion, control and efficiency
- Versatility of applications
- Greater security
- Proven technology

Énestas provides you with the integral solution for all your natural gas needs

We offer you:
- Advisory
- Quick installation
- Conversion of equipment
- Financing
- Equipments on lease
Oil and Gas
Sustainable capture

We offer you:

- Advisory
- Quick installation
- Conversion of equipment
- Financing
- Equipments on lease

We comply with international regulations

Reduce your energy costs
Solve electrical energy needs with Captured Gas
We increase your profits with the sale of Natural Gas
You develop a business plan
Short return on investment

Use Natural Gas capture as fuel for your equipment
SAVE THOUSANDS OF WEIGHTS IN ELECTRICAL GENERATION
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