BIO-LNG

SUSTAINABI ERNATIONAL TRANSP

Bio-LNG, also known as biological liquefied natural gas, is a 100% sustainable fuel produced from organic waste. Bio-LNG is highly suitable as a transition fuel for international transport because of its high range of up to 1,500 kilometres and because it can be used immediately.

This clean fuel is extremely suitable for international transport and shipping.

MANUFACTURING PROCESS

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The organic material is sifted and sieved, leaving only usable particles.

1 Sifting and filtering



Mixing The remaining particulate matter is , mixed with water.



GAS

Heating

The aggregate of water and particulate matter is mixed and heated up to the ideal temperature of 55°C.







Generating and cooling The methane gas is converted to green gas and then cooled to -160°C. This liquefies the



Reacting and transforming In the reactor, the material is converted to methane.

REDUCTIONS

Driving on Bio-LNG results in significant reductions towards diesel

- Up to 80% CO2 reduction
- Up to 90% less emission of nitrous oxide
- Up to 90% less emission of particulate matter
- Up to 95% less sulphur oxides
- Up to 50% less noise and vibrations