



## **PERLITE INJECTION**

Tanks which store low temperature liquid gasses such as LNG, Nitrogen, Oxygen, Propane and Butane are invariably insulated with Perlite. Perlite is a fine granular inert material with excellent insulating properties.

After years in service, local settlement of the Perlite reduces the insulation efficiency creating cold spots on the outer surface of the tank. The local failure of the insulation leads to increased boil off of the product contained within the tank and the resulting economic loss.

MCL offer the following services to establish the optimal live repair methodology:

- A site survey to establish the degree of settlement and the volume and distribution of Perlite required to reinstate full insulation
- A top up service to inject the required quantity of Perlite in the correct locations while the tank remains in service

Specialist technicians are fully trained in safe and effective operation of specialist equipment used during Perlite top up operations.

They are trained to combat the following hazards which typically they may encounter:

- Gas flammability / explosion risk
- Gas toxicity
- Gas Pressure
- Static electricity
- Working at heights

MCL offer this service worldwide and have undertaken work in Algeria, Italy, Sicily and the UK.



**We welcome the opportunity to work with you in solving your cryogenic storage tank insulation problems.**

### **MIDLAND CRYOGENICS LIMITED**

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