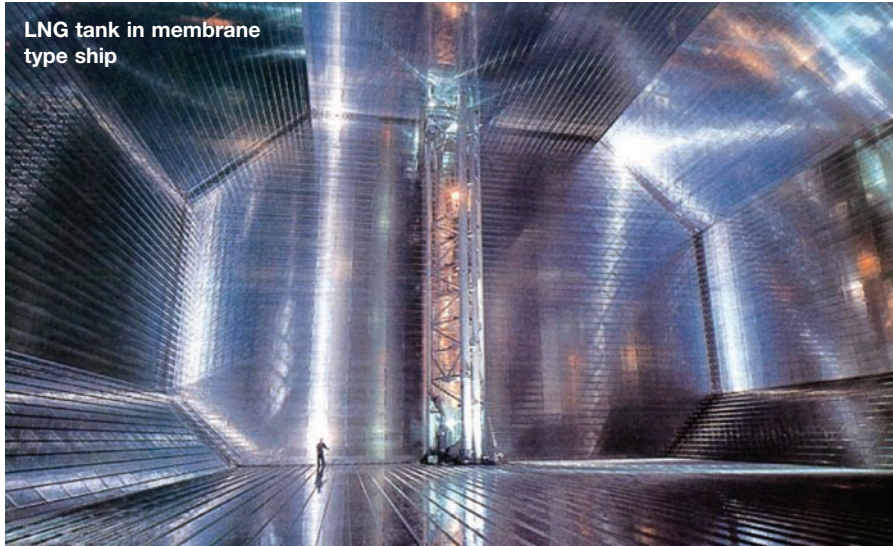


Client Corner

National Grid's newly expanded Grain LNG (Liquefied Natural Gas) Terminal: Why is it a key element in the UK's security of gas supply picture and how is AMT-SYBEX involved?

What is LNG?

Liquefied Natural Gas (LNG) is natural gas that has been transformed into a liquid state by cooling it to approximately -161°C . At such a temperature it occupies just 1/600th of the volume of natural gas which makes it an extremely cost efficient way to store and transport huge amounts of energy.



The Market for LNG

The UK is Western Europe's largest gas market with annual consumption equivalent to 67million mtpa (metric tonnes per annum).

Today well over 50% of all power used in the UK is generated from natural gas with no sign of a weakening in that demand.

It is now clearly recognised that with the tail-off of production from the North Sea fields, the UK is destined to become a major net importer of gas – with estimates suggesting that by 2015 as much as 80% may need to come from overseas sources and it is understood a significant volume of this gas will be provided in the form of LNG.

Grain LNG - The current picture

Based on these changes in the UK gas market National Grid decided at the end of 2002 to embark on a major programme of investment at the Grain site to develop and convert the facility from peak shave operation to a world leading LNG importation storage and re-gasification facility.

Today, the current Grain LNG terminal consists of 5 huge storage tanks providing a throughput capacity of 9.8 million tonnes of LNG each year.

The latest and third phase of construction commenced earlier this year and will increase capacity by an additional 50% to give a total throughput capacity at the site of 14.8 million tonnes of LNG per annum. It will also provide a second discharge jetty which will enable

24/7 unloading of LNG vessels into the storage areas.

This will give Grain LNG the capability to import over 20% of forecast UK gas demand by the time the project goes live in 2010/11. When complete this will take National Grid's investment in Grain to well over £750million and will position Grain LNG amongst the world's most modern LNG terminals, providing the UK with much needed increased diversity of supply.

AMT-SYBEX Role in National Grid Grain LNG

In line with their investment in the physical assets at Grain, National Grid clearly recognised the need to ensure that management systems be put in place to provide the detailed asset health understanding which will deliver maximum benefit from that investment.

AMT-SYBEX, as National Grid's provider of their key work and asset management solutions elsewhere across the business were engaged at the beginning of 2008 to begin to identify the processes, data, work planning and other requirements of the new operation. We have since then been working with National Grid's Grain management team to develop a roadmap

to ensure the requisite systems are in place and ready for the arrival of the new asset base.

Earlier this year AMT-SYBEX completed a Feasibility and Analysis study for implementation of its Ellipse Enterprise Asset Management system. Current activity is focused on final requirements definition and early design of the new Ellipse based system. It is anticipated that full implementation will commence in the Autumn for a go live to meet the first handover of Phase 3 assets in summer 2010.

Following a restructure of the remaining National Grid LNG Storage sites it is likely that the system will now also be deployed across those businesses.

