

# Multimodal transport for LNG logistics supply chain (Rail/Road/Sea)

## EPT2

Multimodal transport is now beginning to be applied to LNG logistic chain., due to this situation, EPT2 sub-activity will study technical and economic feasibility of the whole multimodal LNG transport chain (road, rail and ship) in Spain.

Finally, EPT2 will also test results by doing real pilot transportation of LNG by means of ISO container, using truck, rail and ship.



## Partners involved



The real pilot transportation of a LNG ISO container will take place in the following months as the definitive route have been already defined.

- **EPT2:** This IPS will deploy, looking for market conditions, a LNG transport service concerning rail, road and maritime transport in an integrated approach in order to test if this supply logistic-chain is feasible and suitable with regards to security, costs and permitting. An ISO container will be transported using all three modes of transport. Long distance of the trial will assure an EU scale.

Since 1970, distribution of LNG in Spain is done by means of trucks, to supply natural gas to distribution networks and industries not connected to national network. Trucks loaded have risen up to 45,000 in a year, being highest rate up. Moreover, Balears islands have been supplied of LNG by trucks in ro-ro ships.

This mode of transport, developed enough at least in Spain, has demonstrated its reliability, security and capabilities. However, demand of LNG as a fuel for transport, needs to develop traditional logistic chain, taking advance of multimodality and, specifically, rail mode of transport.

This two pillars offer further possibilities, such us efficiency, flexibility, modularity, long-haul or distribution of LNG (from terminal to end user). The vision is not only Spain or the Iberian Peninsula, but also Europe, from the fact that this logistic chain will connect LNG import terminals with the innermost areas of Europe.

This EPT2 will focus on study the technical an economic feasibility of multimodal LNG transport (road, rail and maritime), trying to solve questions about security, logistics, costs and permitting. Finally, in order to test results, an ISO container will be transported using all three modes of transport. Length of transport will assure to be similar to exportation activities, so will allow getting experience about LNG supply to the innermost Europe.