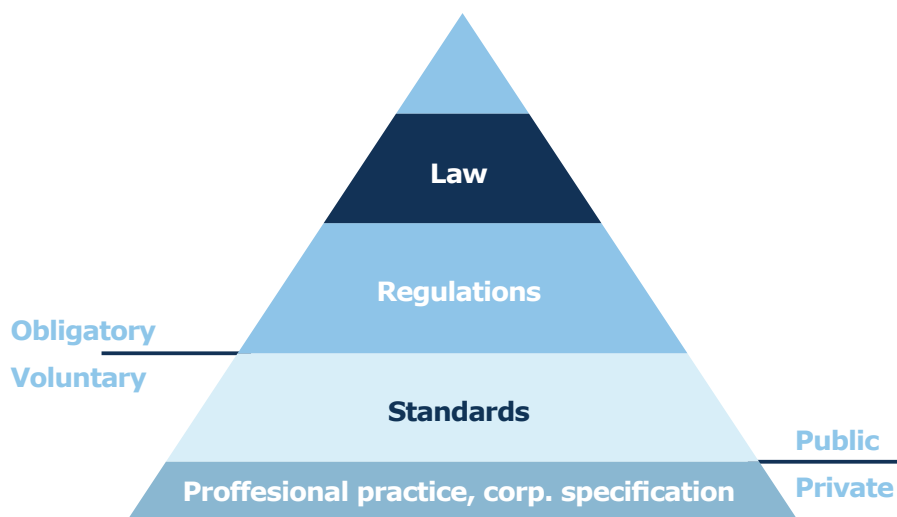


Technical, safety and environmental specifications on LNG

ET1

The project aims to provide a tested and proven set of standards and requirements in relation to the procedures and equipment for LNG supply (local storage, handling, transport and bunkering activities).



Partners involved



The project is currently in the ITT process, once the tender is awarded, works will continue following the foreseen schedule.

- **ET1:** The sub-activity with update the existing standards on technical, safety and environmental requirements in relation to the procedures and equipment to supply LNG (land-ship) for different uses. The scope of the analysis is the local storage, handling and transport of LNG, as well as the current bunkering activities in sea ports and also land storage facilities. The external human risks posed by the individual components in the supply chain will be dealt in connection with ET6 (LNG training and education programme).

Key reference for CORE LNGas hive proposal is the Directive 2014/94 on the deployment of alternative fuels infrastructure. And key subject of the Directive is the compliance of the infrastructure to be deployed or renewed with technical specifications, as provided. Besides annex II of the Directive, it empowers the Commission to:

- Pursue the development of standards, including detailed technical specifications for refueling points for LNG for maritime transport.
- Supplement the technical specifications provided in annex II, if necessary, and also to update the standards if applicable.
- Adopt delegated acts to lay down requirements for interfaces of bunker transfer of LNG in maritime transport or related to safety aspects of the onshore storage and bunkering procedure of LNG in maritime.

All aspects converge into the proposal giving the floor for a study on technical, safety and environmental requirements in relation to the procedures and equipment to supply LNG (land-ship) for different uses. The scope of the analysis will be the local storage, handling and transport of LNG, as well as the current bunkering activities in sea ports and also land storage facilities. The external human risks posed by the individual components in the supply chain will be dealt in connection with ET6 (LNG training and education programme).

International initiatives developed in USA, Australia or the Baltic region will be analysed and updated in first place, as well as standardization institutions elaborating standards, recommendations, etc. will be contacted in order to feed the Pilots actions. In particular, the European Sustainable Shipping Forum (ESSF) sub-group of experts on marine LNG will be contacted for coordination on the standards development for marine LNG as ship fuel covering technical, operational, safety, security, training and environmental aspects of LNG bunkering.