

LIFE Project Abstract

1. **Sub-programme:** LIFE Environment and Resource Efficiency
2. **Sector:** ENV Air quality and emissions, including urban environment
3. **Member State of the coordinating beneficiary:** Hungary
4. **Expected duration:** 3 years (2018. 07.01.- 2021. 06.31.)
5. **Coordinating beneficiary:** Pannon Fuel Ltd
6. **Expected total project budget – EU financial contribution requested:** 2.000.000 EUR – 1.200.000 EUR
7. **Short summary of the project:** Within the project, GHG emissions of diesel buses working on the main public transportation routes of cities with serious air quality problems would be measured. This project would be the first such comprehensive public transport measurement within Central Europe after which the model and an interactive map would be developed. The establishment and development of an innovative, brand new air pollution (including GHG, PM 10 and PM 2,5 emissions) model would help in demonstrating the potential emissions reduction that can be realized within the public transportation sector if diesel vehicles are replaced with natural gas ones. The interactive map can be an effective decision-making support tool as well. Hence, it is planned that even within the project, local sustainable transportation strategies would be established as best practice strategic documents. In addition, the Portable Emissions Measurement System (PEMS) itself would be an innovative device providing unprecedentedly thorough data in the region. In order to disseminate the project results, effective communication actions would be realized too.
8. **Main project goal:** The main aim is to show a proper, environment- and climate-friendly alternative (LNG and CNG) to diesel vehicles that run within numerous cities and towns in Europe. These diesel buses has a highly significant contribution to air pollution that has led to EU infringement cases within Central Europe.
9. **EU legislation background:**
 - Directive 2008/50/EC on ambient air quality and cleaner air for Europe
 - Directive 2009/33/EK on the promotion of clean and energy-efficient road transport vehicles
 - Directive 2009/28/EC on the promotion of the use of energy from renewable sources and amending and subsequently repealing Directives 2001/77/EC and 2003/30/EC
 - Directive 2014/94/EU on the deployment of alternative fuels infrastructure
10. **Projects whose results the project is planned to be built on:** e.g. PAN-LNG (Pannon Fuel Ltd. is investor within it), Rhine-Danube LNG Masterplan, GasOn project, CoreOn project, LNGAFT project, UPGRADE project