



Project Fact Sheet

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Maritime Fuel Gas Logistics (MAGALOG)

Programme area: ALTENER - Alternative fuels
Status: Ongoing

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Municipality of Swinoujscie, Poland
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Objective: Introduction of LNG as a fuel for ships
Benefits: Alternative fuel to marine diesel and heavy fuel; cleaner air in port cities and on the highways of the sea

Keywords: LNG – Fuels – Ships

Duration: 01/2007 – 12/2008
Budget: € 1,257,745 (EC contribution: 50 %)
Contract number: EIE/06/016/SI2.448420

Short description

“Clean air in port cities and on the highways of the sea” with a special focus on the Baltic Sea is the overall aim of the project MAGALOG. In recent years shipping has been regarded as a main polluter after land based industries have drastically reduced their emissions. Therefore MAGALOG addresses the pollution problems in shipping and ports by the establishment of an alternative fuel supply chain, LNG in this case. The project will investigate possible LNG supply chains in the Baltic Sea and the preparation of one pioneer project in Lübeck. Three Norwegian, two German and one Polish partner will elaborate the studies.

The partners represent the gas industry, scientific organizations, gas interest organizations, non-governmental organizations, port authorities and city energy suppliers. Port cities, national and EU bodies, the shipping industry and other key actors are to be included as indirect participants.

Expected and/or achieved results

- Liquid Natural Gas (LNG) as an alternative fuel for ships
- Supply Chains in the Baltic Sea Region as a precondition for the supply with LNG
- 1 demand study and 1 overall logistics study for the Baltic Sea
- 5 individual port feasibility studies
- Preparation of a pioneer project in Lübeck/Germany

Lessons learnt

The project is ongoing, and conclusions not yet drawn. Norway is a frontrunner in the field of running ships on LNG. As of 2008, three offshore supply vessels, one LNG carrier and six coastal ferries operate on LNG fuel. The switch to LNG from more polluting bunker oils is promoted by changes in taxes and regulations. Ship owners, shipyards and engine makers have recognized LNG as a cleaner and possibly more economic fuel. On this background the project MAGALOG has been launched. The Norwegian expertise and know-how will be transferred to other European countries.