

## LIQUID ENERGY PROJECT IN THE INFORMATIONAL SPACE

Metropolitan Area Gdansk-Gdynia-Sopot selected experts to develop Strategy of Development and Conception for project partners: Przedsiębiorstwo Komunikacji Trolejbusowej in Gdynia, Żegluga Gdańska and Zakład Utylizacyjny in Gdansk. Works on the conceptions starts on July 1st.

Our initiative also comes out to the “light of the day”; among others Polish Press Agency wrote about it.



## LIQUID ENERGY IN THE THEMATIC AREA OF ACTIVITIES CARRIED OUT BY EUROREGION BALTIC

On May 24 at the Mobility Core Group (MCG) Euroregionu Baltic meeting Paweł Warszzycki, (HIE-RO at the University in Rostock), presented the potential of a new market for (bio-) LNG in a micro scale. The meeting was devoted to the use of biogas and electricity as fuel in the context of transformation in public transport. Mobility Core Group is a team

transport. Mobility Core Group is a team established to provide a platform to develop connectivity and sustainable mobility solutions within the Euroregion Baltic area /South Baltic Area.

More information about MCG's activity:



## MAGDA I'S NEW ENGINE IS READY! CONTINUATION OF THE AMAZING HISTORY!

**Magda I - the inspection motorboat from Szczecin will pass into history. Thanks to the Liquid Energy project it will be the first small unit with a gas installation in this part of Europe. After 7 months from the beginning of renovation, its new heart - liquified natural gas engine - was started and it works perfectly.**

On the 5th of May 2021 Przemysław Rajewski i Grzegorz Banachowicz from Association for the Promotion Knowledge about Sea - one of Liquid Energy project partners - took place in an experimental start of an engine powered by natural gas and destined to apply on Magda I. At the test stand at the Autogas Production and Research Plant (located in Krzyszkowice near Kraków), the engine was started and operational tests were carried out. The result was positive!



A fuel block, consisting of an LNG tank with a capacity of 750 l and three CNG tanks with capacity of 80 l each were also collected. The engine and fuel block were transported to Szczecin.

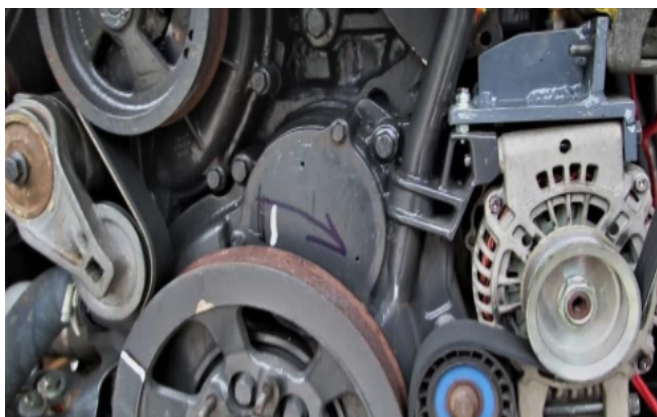
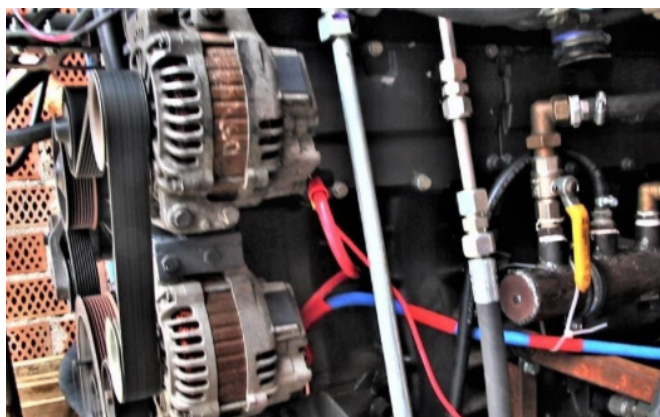
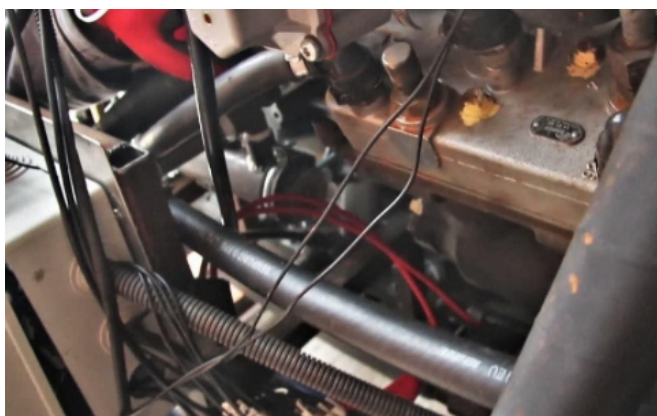




# NEWSLETTER NR 3

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Below you can see the process that the engine went through while adapting it to run on the gas fuel:



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The works on the propeller shaft and rudder, which started on 14th of May, have been in progress on Magda I. Completion of these works will allow the installation of the engine and the fuel block inside the engine compartment and the launch of the Magda I vessel.

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*Solutions used in our project will be a practical guideline for owners of small marine and inland vessels on how to adapt small vessels to run on natural gas and thus reduce the impact on the environment.*

PRZEMYSŁAW RAJEWSKI and GRZEGORZ BANACHOWICZ

ASSOCIATION FOR THE PROMOTION KNOWLEDGE ABOUT SEA

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*We are a team of people who have the knowledge, enthusiasm and willingness to do this as a small contribution to environmental protection*

TOMASZ PLUTA

ASSOCIATION FOR THE PROMOTION KNOWLEDGE ABOUT SEA





A unit built in 1978 in Stocznia Wisła in Gdańsk, for many years served as an inspection motorboat of Kapitanat Port in Szczecinie. After renovation, Magda I will be used for training and promotion of ecological power supply for inland vessels.



The Association for the Promotion Knowledge about Sea as a partner in Liquid Energy is responsible as well for the preparation and acceptance of the technical project essential in the reconstruction of Magda 1 ship.

## Trainings and courses are another element of activities in the project

Based on the experience and implementation of pilot investments, training and courses are planned both for potential beneficiaries of technological solutions, such as local governments or production companies, and so are for students. Both technological solutions and the benefits of their application will be shown, for example Maritime University in Szczecin plans training based on our old but renewed Magda I.

*- After completion of the conversion we will be responsible for the preparation of information and training materials necessary for the operation of gas installations on small vessels - says **Cezary Behrendt**. - We believe that the use of gas as a fuel on small vessels in coastal and inland shipping will contribute to improving environmental quality.*



## BUSINESS TO BUSINESS PLATFORM (B2B) DATABASE AND SEARCH ENGINE FOR (BIO-)LNG COMPANIES

Preparation of **B2B-Online Platform** is in the final phase. The **interactive online tool** will be the first virtual place to showcase a large number of (bio-)LNG companies containing, among others, the option to search companies using any choice of words.

**B2B-Online Platform** is one of the most important elements in the Liquid Energy project, whose main goal is to create a clear and systematized cooperation space in the interest of common usage of (bio-)LNG in the process of providing energy. This tool is designed to collect and present information about companies (and ultimately their products and services) that are participants in the (bio-)LNG market in its various areas. In its user-friendly online form it will fill the existing information gap in an integrated form. One of its most important functions will be words and phrases search engine. Thanks to it the users will get an easy-to-use tool that has been lacking in recent years.

## A DATABASE OF COMPANIES AND ORGANIZATIONS OPERATING IN THE FIELD OF (BIO-)LNG IS ARISING

Within the project an information base about enterprises is being created, presenting their activities in the field of technologies, products and services offered on the (bio-)LNG market. It will be the basis in creation of the Business to Business (B2B) Platform.

*- A databank of actors within the field of cryogenics and LNG was created - says **Kai Andrich** from the University in Rostock. - The range of the databank spans from LNG suppliers and companies that sell LNG equipment, over to LNG networks and companies building infrastructure for LNG. Currently it is filled with over 210 different companies.*



## LIQUID ENERGY HAS A NEW WEBSITE

We invite you to our new, interactive website **[www.l-energy.org](http://www.l-energy.org)** where we describe the assumptions of the Liquid Energy project, introduce partners and their activities, present new products and answer frequently asked questions.



## MEET US IN SOCIAL MEDIA

