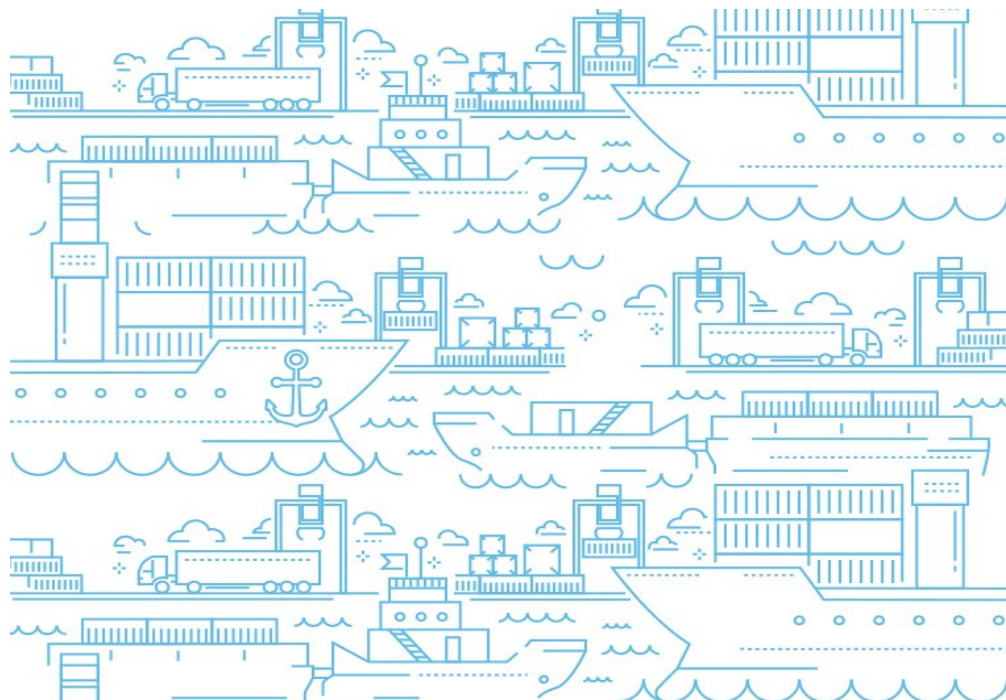


# NEWSLETTER No. 6

December 2022



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## Partners:



**HIEERO**

Obszar Metropolitalny  
Gdańsk Gdynia Sopot

Universität  
Rostock

**i3nw** Institut für  
Innovative  
Wirtschaft  
und Logistik

KLARER, SCIENCE  
AND TECHNOLOGY

# Mobile LNG and bioLNG refueling station handed over to the owner

The “on wheels” station for refueling small amounts of liquefied methane is already in the Tri-City. By the end of July the contractor handed it over to the owner – the Maritime Institute of Gdynia Maritime University.

The mobile refueling station for liquefied methane, created from biogas (bioLNG) or natural gas (LNG), is an absolute novelty on the market for the distribution of alternative fuels! It has only 3.5 tons of gross vehicle weight. Thanks to it, it will be possible to use liquefied methane more widely, e.g. in public transport, production plants and office buildings.



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# Mobile LNG and bioLNG refueling station handed over to the owner

The prototype station was built by a consortium of two companies: Baltic Engineering Flare GmbH and Ferdinand Schultz Nachfolger Fahrzeugbau GmbH, as part of the EU project Liquid Energy. It will be used extensively as a prototype to demonstrate the technical capabilities.



The documents were signed by: dr Detlef Andrich (BEF GmbH)  
and dr hab. Maciej Matczak, prof. UMG – President of the Maritime Institute of Gdynia Maritime University.



# Liquid Energy project at the Gastech 2022

Liquid Energy was presented at the Gastech 2022 exhibition and conference, which took place in Fiera Milano, Italy on September 5-8, 2022. Our exhibition stand was very popular among visitors who wanted to learn more about our products, solutions and innovations.



**“Gastech is a marvellous experience and I am happy to see Liquid Energy is presented at this event”** – says **Paweł Warszycki** from the Hanseatic Institute for Entrepreneurship and Regional Development at the University of Rostock, one of the German partners of the Liquid Energy project. – My conclusions from many conversations I had with Gastech participants are the following: in our project we were able to touch upon the important issue and it is obvious that there lies the future of the energetic transformation connected with bioLNG and LNG use. We are going to carry on with our activities in this regard.



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# CONFERENCE IN GDYNIA

LNG and BioLNG technologies as the pillars of decarbonisation in freight transport - this is the main topic of the conference, which has been in October in Pomorski Park Naukowo-Technologiczny Gdynia.



# BioLNG and LNG – a green opportunity for small vessels

One of the few pilot investments carried out under the The Liquid Energy project is the adaptation of a small marine engine to power LNG. See how the inspection veteran owned by the Szczecin Harbor Master's Office "Magda I", built in 1978, gains a new life.

[watch the video](#)



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# Liquid Energy Conference 2022

**The Liquid Energy Conference 2022 took place in Rostock** at the end of November. It was hosted in the rooms of the Rostock Exhibition Hall, which is located on a former IGA site. This provided a pleasant atmosphere and sufficient space for the conference.

With the topic "**Micro- and nanoscale LNG and bio-LNG market - challenges and opportunities**", the conference could not have been timelier, in times when new possibilities for energy use are becoming more and more necessary. In addition, the decision to build an LNG terminal in Lubmin has created a potentially important link to create this entirely new market in northern Germany as well. This was not only presented, but also analysed and discussed during this conference.

During the conference, **international speakers shared their expertise** and gave insight into their views on current problems. On the first day in particular, the partners of the project were prominent with their view on the Bio-LNG market (HIE-RO) and its impact on the environment (Maritime Institute, Poland).

For the second day, the focus was on the participating companies, which presented their own ideas on the topic of LNG and Bio-LNG. The topics ranged from newly developed Bio-LNG plants that produce liquid CO<sub>2</sub> on the side, to the infrastructure in Sweden and the idea of energy farmers, to an innovative way to produce methane via photosynthesis and then new types of LNG tanks as well as the distribution of energy, in the form of LNG, in the Caribbean region, especially Puerto Rico.

After the conference was successfully concluded, **it has already been announced that another one will be held in 2023.**



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# Liquid Energy Conference 2022. Micro- and nanoscale LNG and bio-LNG market – challenges and opportunities





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### VISIT OUR WEBSITE

We invite you to our 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.



[www.l-energy.org](http://www.l-energy.org)



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