

# 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). The first day was concluded with a presentation on the constant loss of methane at the different delivery stations and possible solutions in the form of new standards and equipment. The highlight of the evening was the premiere of the first mobile LNG filling station. Similar to a car presentation, it was driven up under spotlights and fog. Afterwards it could be examined extensively, and it was explained in detail how the individual components of the mobile LNG filling station work. At the end of the first evening the participants went to the city hall of Rostock for a delicious buffet with socializing and networking.

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. This was rounded off by a discussion among all participants about the purpose of this market, the relevant use of Bio-LNG plants and which countries could serve as possible entry points for this market and whether they are in Europe.

After the conference was successfully concluded, it has already been announced that another one will be held in 2023. This time, however, it will be held at one of the Polish partners of the Liquid Energy project in Poland and probably at the end of May 2023



*Opening speech of Prof. Dr. Patrick Kaeding*



*Presentation of the first mobile LNG refuelling station*



*Group picture on the second day*