



MEMORANDUM OF UNDERSTANDING

Subject: Cooperation for Promoting Micro- and Nano-scale LNG and Bio-LNG Technology for Decarbonisation and Strengthening Access to Energy Sources in Rural and Infrastructure-Lacking Areas

Gdynia, 15th of June 2023

Preamble:

This Memorandum of Understanding (MoU) is entered into by and between signing organisations, collectively referred to as the "Parties," with the aim of promoting micro- and nano-scale LNG and bio-LNG technology. The Parties recognize the significance of decarbonization goals and the need to strengthen access to energy sources, particularly in rural areas and regions lacking infrastructure.

The activities undertaken as part of this MoU will also aim to foster entrepreneurship and regional development, with the goal of strengthening the regional economy in the areas covered by the joint projects and measures. The Parties recognize the potential for job creation, innovation, and economic growth that can arise from the adoption and implementation of micro- and nano-scale LNG and bio-LNG technology. Efforts will be made to support local businesses, facilitate skill development, and promote sustainable economic development in the regions covered by the measures initiated by the signatories of this document.

Objectives:

The objectives of this cooperation are as follows:

1. Promote micro- and nano-scale LNG and bio-LNG technology as sustainable energy solutions for decarbonization.
2. Strengthen access to clean energy sources, especially in rural areas and regions lacking infrastructure.
3. Foster collaboration in research, development, and deployment of micro- and nano-scale LNG and bio-LNG technology.
4. Facilitate knowledge sharing and exchange of best practices to enhance the implementation of micro- and nano-scale LNG and bio-LNG projects.
5. Support capacity building initiatives to empower local communities and stakeholders in adopting and utilizing micro- and nano-scale LNG and bio-LNG technology.



Areas of Cooperation:

The Parties intend to collaborate in the following areas:

1. **Technical Cooperation:**
 - a. Joint research and development activities to advance micro- and nano-scale LNG and bio-LNG technology.
 - b. Sharing technical expertise, knowledge, and experience in the field of LNG and bio-LNG technology.
 - c. Conducting feasibility studies and pilot projects to assess the viability and benefits of micro- and nano-scale LNG and bio-LNG solutions in targeted areas.
2. **Policy and Regulatory Support:**
 - a. Collaborating on policy development and regulatory frameworks to promote the deployment of micro- and nano-scale LNG and bio-LNG technology.
 - b. Advocating for favourable policies, incentives, and regulations at the regional and national levels to encourage the adoption of micro- and nano-scale LNG and bio-LNG solutions.
3. **Capacity Building:**
 - a. Organizing training programs, workshops, and knowledge-sharing events to enhance the technical and operational skills of stakeholders involved in micro- and nano-scale LNG and bio-LNG projects.
 - b. Providing guidance and assistance in project planning, implementation, and management.
4. **Information and Data Exchange:**
 - a. Sharing relevant information, data, and research findings related to micro- and nano-scale LNG and bio-LNG technology.
 - b. Collaborating on the development of databases, reports, and publications to disseminate knowledge and best practices.

Cooperative Platform:

This MoU is intended to create a platform for cooperation based on the common interest of promoting micro- and nano-scale LNG and bio-LNG technology and strengthening access to energy sources in rural areas and regions lacking infrastructure. The Parties acknowledge that their collaboration is voluntary and will be guided by principles of mutual respect, trust, and shared benefits.



Specific Actions and Projects:

The Parties acknowledge that the implementation of this MoU will involve the definition of specific actions and projects, which may be developed separately. These actions and projects will be determined based on the content, scope, and financial sources available to each Party. The Parties will engage in further discussions to identify and agree upon the specific initiatives, projects, and activities to be undertaken, taking into account their respective capabilities and resources.

Confidentiality:

The Parties agree to treat any proprietary, confidential, or sensitive information shared during the course of this cooperation with the utmost confidentiality, and not to disclose such information to any third party without prior written consent from the disclosing Party.

Financial Obligations:

This Memorandum of Understanding is non-binding and does not impose any financial obligations on either Party. All Parties will act within their available capacity and resources. Each Party will bear its own costs incurred in the implementation of activities under this MoU, unless otherwise mutually agreed upon in writing.

Duration and Termination:

This MoU shall come into effect on the date of its signature by both Parties and shall remain in force until the Parties decide to terminate it by mutual agreement. The termination shall be effective upon the mutually agreed-upon date specified in the notice. Either Party may terminate this MoU by providing written notice to the other Parties at least one month in advance.

Membership and Rules:

The network established under this MoU is open to new and additional members that share the common interest and goals of promoting micro- and nano-scale LNG and bio-LNG technology and strengthening access to clean energy sources. The specific rules, procedures, and criteria for admitting new members will be defined in a separate document to be developed and agreed upon by the existing members of the network. This document will outline the rights, obligations, and responsibilities of network members, as well as the processes for decision-making, collaboration, and resource-sharing.



Signing of Additional Documents:

If deemed necessary and mutually agreed upon, the Parties may sign additional documents, such as bilateral agreements or contracts, to further specify the terms, conditions, and obligations related to specific aspects of the cooperation. These additional documents may have stronger consequences and provide a more detailed framework for specific projects or activities undertaken within the scope of this MoU.

Adjustment of Scope for Cooperation:

Furthermore, the thematic scope of this agreement can be adjusted either within the signed MoU or by separate documents signed subsequently, to accommodate evolving needs, emerging opportunities, and changing circumstances. This flexibility ensures that the Parties can adapt and expand their collaboration in response to new developments and shared objectives.

Establishment of a Formal Management Structure:

If the signatories deem it necessary and mutually agree upon the establishment of a formal management structure, either as a new organization or by designating one of the signing organizations to undertake the role of the management entity, a separate act defining the responsibilities, obligations, and funding sources will be necessary. This act will outline the governance structure, decision-making processes, financial management, and other relevant aspects pertaining to the management of the cooperative activities. The purpose of such a management structure will be to ensure effective coordination, implementation, and monitoring of the projects and initiatives undertaken within the framework of this MoU.

Amendments and Modifications:

Any amendments or modifications to this MoU shall be made in writing and signed by authorized representatives of signing Parties.



Party Signature

Hanseatic Institute for Entrepreneurship and Regional Development at the University of Rostock

Albert-Einstein-Str. 2

18059 Rostock

Pawel Warszycki

Pawel Warszycki

Managing Director, Member of the Management Board

Rural Electrification Agency, Nigeria

22, Freetown Street, Wuse 2, Abuja

Engr. Michael Oluwagbemi, PE, PMP, MBA

Engr. Michael Oluwagbemi, PE, PMP, MBA

Governing Board Member - SW

Uniwersytet Morski w Gdyni / Gdynia Maritime University

Instytut Morski / Maritime Institute

ul. Trzy Lipy 3

80-172 Gdańsk

Rafal Kapala

Rafal Kapala

Finance Director of Maritime Institute



inwl gemeinnützige GmbH

inwl institute for sustainable economics and logistics

Georg-Büchner-Str. 17

18055 Rostock, Germany

Nils Heine

Nils Heine

Gesellschaftervertreter

Nesetten GmbH

Ringstraße 4-5

18059 Papendorf

Pawel Warszycki

Dr. Detlef Andrich

Geschäftsführer & Chief Technology Officer