

MEMORANDUM OF COOPERATION
BETWEEN
THE MINISTER OF CLIMATE AND ENVIRONMENT OF THE REPUBLIC OF POLAND
AND
THE MINISTRY OF ECONOMY, TRADE AND INDUSTRY OF JAPAN
IN THE FIELD OF THE DEVELOPMENT OF HYDROGEN TECHNOLOGIES

1. PARTICIPANTS OF THE MEMORANDUM OF COOPERATION

1.1 This Memorandum of Cooperation (hereinafter referred to as "**MoC**") is made between the Minister of Climate and Environment of the Republic of Poland and the Ministry of Economy, Trade and Industry of Japan (hereinafter referred to individually as "**Participant**" and collectively as the "**Participants**").

2. BACKGROUND

- 2.1 Over the next few decades, the world is expected to make an energy transition to a low carbon economy and to significantly reduce its reliance on fossil fuels.
- 2.2 The Participants have a shared interest in developing strong cooperative relationships that will assist the advancement of the energy transition in both countries.
- 2.3 The Participants have significant experience in fossil-based hydrogen production, scientific base and pilot projects in operation that could lead, in the middle to long term, to large scale low-carbon and renewable hydrogen production and development of strong national competences in the production of key components from the hydrogen value chain and their application in order to achieve climate neutrality.
- 2.4 This MoC will be built on the relationships developed between Japan and the Republic of Poland.

3. PURPOSE AND SCOPE

- 3.1 The intended purpose of this MoC is to support the Participants' cooperation with respect to developing a sustainable and affordable hydrogen supply chain, including production of renewable and low-carbon hydrogen as a key element of this chain.
- 3.2 This MoC will provide a framework within which detailed proposals for programmes of cooperation between the Participants can arise.
- 3.3 The Participants will endeavour to encourage and facilitate, as appropriate, the advancement of linkages and cooperation between their respective governments, industry and research agencies within the respective areas of competence of the Participants.

4. APPROACH

- 4.1 In order to pursue the objective of this MoC, the Participants will encourage exchanges of experts, knowledge, experiences and creation of the relevant support programmes. The purpose of the above actions is in particular:
 - 1) facilitation of human exchange amongst government officials, scientific bodies, academic institutions and exchange of information on hydrogen policy in order to create a hydrogen industry;
 - 2) cooperation on development of renewable and low-carbon hydrogen production technology;
 - 3) cooperation on creating cost reduction programs, in the middle and long term, in order to make hydrogen competitive with other fuels and energy carriers;
 - 4) cooperation toward creation of an international supply chain of hydrogen;

- 5) cooperation towards initiatives to disseminate hydrogen technology utilization policies throughout the world;
- 6) cooperation on exchanging information and the sharing of best practice to coordinate regulations and standards and their harmonization to expand hydrogen demand and supply;
- 7) cooperation on implementing: hydrogen technologies in the energy, heating and transport sectors, hydrogen use to support decarbonisation of industry and hydrogen distribution and storage;
- 8) cooperation in production and deployment of electrolysers and hydrogen fuel cells in energy, heating, transport and industry;
- 9) sharing information on hydrogen safety to enable safe and sustainable production, delivery, storage and infrastructure operation;
- 10) other areas that may be confirmed by the Participants.

5. MISCELLANEOUS

- 5.1 This MoC does not create any legal, contractual and financial rights or obligations for the Participants under international law.
- 5.2 This MoC does not provide for funding for any separate or joint work by the Participants. Such funding will require a separate arrangement.
- 5.3 The cooperation under this MoC will commence on the date of its signature by both Participants. The MoC may be modified in writing as mutually decided by both Participants.
- 5.4 This MoC will continue for period of five (5) years. This MoC will be automatically extended thereafter every five (5) years, unless one of the Participants notifies the other in writing three (3) months prior to the expiration of the current term of this MoC that it does not wish to extend it.

The Participants have signed this MoC in two original copies in the English language of which each Participant has received one copy.

Done in Warsaw on 4th May 2023