

MEMORANDUM OF COOPERATION ON HYDROGEN

BETWEEN

THE MINISTRY OF ECONOMY, TRADE AND INDUSTRY OF JAPAN

AND

THE MINISTRY OF ECONOMIC AFFAIRS AND CLIMATE POLICY OF THE KINGDOM

OF THE NETHERLANDS

On September 25, 2019, the Ministry of Economy, Trade and Industry of Japan and the Ministry of Economic Affairs & Climate Policy of the Kingdom of the Netherlands sign this Memorandum of Cooperation (MoC) on Hydrogen.

1. Background

As part of the efforts towards national and international ambitions to reduce carbon dioxide (Co₂) emissions, the Ministry of Economy, Trade and Industry of Japan and the Ministry of Economic Affairs & Climate Policy of the Kingdom of the Netherlands (hereinafter referred to individually as a "Participant" and collectively as the "Participants") aim to play a leading role in the development of a global market for clean hydrogen. It requires international efforts to develop a global hydrogen infrastructure ranging from the supply chain (production, storage and transport) to usage in market sectors (mobility, built environment, industry and energy). Innovation and international collaboration are needed to achieve the cost reductions and scale up of clean hydrogen production facility and its application.

Against this backdrop, the Participants sign this MoC to strengthen and enhance the cooperation between Japan and the Netherlands in line with the Tokyo Statement of the Hydrogen Energy Ministerial Meeting of September 25, 2019.

2. Key points of this MoC

Under this MoC, the Participants welcome the existing cooperation among companies and will encourage the governments, industrial players and research institutes of the Participants to strengthen and enhance cooperation in the field of hydrogen by taking the following approaches:

- Facilitation of bilateral exchanges among governments and academic institutions with the aim to exchange information on hydrogen policy and measures;
- Cooperation with regard to the development of renewable-energy-based hydrogen production technology;
- Cooperation with the aim to further deepen the existing hydrogen strategic roadmaps;

- Cooperation towards creation of an international hydrogen supply chain;
- Cooperation towards technology development and financial investment promotion;
- Cooperation with the aim to reduce hydrogen supply chain cost(s) to make hydrogen competitive with other energy resources;
- Cooperation in the area of hydrogen power generation and Co2 Capture, Utilization and Storage;
- Cooperation on initiatives to disseminate hydrogen technology utilization policies throughout the world;
- Cooperation with the aim to coordinate and harmonize regulations, codes and standards of respective countries, including on safety;
- Consideration of other possible initiatives to promote research, development and use of hydrogen bilaterally, regionally and internationally; and
- Sharing information on hydrogen safety to enable safe, sustainable and affordable production, delivery, storage and infrastructure operation.

3. Confidentiality

The Participants will ensure that any data, information or documents provided to each other under this MoC, including the result(s) and developments of joint research carried out under this MoC, are not transferred or supplied to any third party without the prior written consent of the other Participant.

The Participants will not use the data, information or documents exchanged under this MoC for any purpose other than those set out in this MoC.

The Participants acknowledge that certain information may not be able to be provided under this MoC, for example on the basis that the data, information or document is received in confidence, or in order to protect the privacy of an individual.

The Participants intend to ensure that any caveat or security restriction that appears on a document or that is used in relation to information will be retained in any subsequent use or disclosure.

4. Resolution of differences

If any issue arises between the Participants concerning the matters covered by this MoC, the Participants will endeavor to resolve it promptly and in good faith.

5. Miscellaneous

This MoC does not create any rights or obligations for the Participants under international law.

This MoC does not provide funding for any separate or joint work by the Participants. Such funding will require a separate arrangement.

The cooperation under this MoC will commence on the date of its signing and will continue. This MoC may be reviewed and modified in writing as mutually decided by the Participants.

The cooperation under this MoC may be terminated at any time by either Participant by providing three (3) months' prior written notice. Participants intend that the contents of

Item 3 will survive the termination.

Signed in Tokyo on September 25, 2019 in duplicate in the English language.

SIGNATURES

For and on behalf of the Ministry of
Economy, Trade and Industry of Japan

For and on behalf of the Ministry of
Economic Affairs & Climate Policy of
Kingdom of the Netherlands

HIRAI Hirohide
Deputy Commissioner
Agency for Natural Resources and Energy

Noé van Hulst
Hydrogen Envoy