

**International Cooperation Agreement
for the project**

No. TQ16000072 / NSTC 114-2923-E-006-006-MY3

**Recyclable Waste-derived Sorbents for Sustainable Process GHG
Emissions Control**

(hereinafter „Project“) – Sigma Programme

**Article 1
Parties of the agreement**

Czech Republic

1. Coordinator: **Henry Gas a.s.**
Address: Štěpánská 621/34, 110 00 Praha 1, Czech Republic
Represented by: Ondřej Douša, Chairman of the board of directors
ID number: 17192145
VAT ID number: CZ17192145

Hereinafter referred to as “**Coordinator – CZ**”

2. Participant 1: **VSB – Technical University of Ostrava**
Address: 17. listopadu 2172/15, 708 00 Ostrava – Poruba, Czech Republic
Represented by: prof. RNDr. Václav Snášel, Rector
ID number: 619 89 100
VAT ID number: CZ61989100

Hereinafter referred to as “**Participant 1 – CZ**”

Taiwan

1. Coordinator: **National Cheng Kung University**
Division: Department of Aeronautics and Astronautics
Address: No.1, University Road, 1, Tainan City 701, Taiwan
Represented by: Prof. Wei-Hsin Chen, Director of Energy Industry Talent Education Center
ID number: 69115908
VAT ID number: 69115908

Hereinafter referred to as “**Coordinator – TW**”

2. Participant 1: **Industrial Technology Research Institute**
Division: Green Energy and Environment Research Laboratories
Address: No 195, Section 4, Chung Hsing Rd., Chutung, Hsin-Chu 310, Taiwan

Represented by: Dr. Po-Jen Su, Engineer
ID number: 02750963
VAT ID number: 02750963

Hereinafter referred to as “**Participant 1 – TW**”

(Individually a "Party" and collectively the "Parties")

Article 2

Subject of the cooperation agreement

1. This Agreement shall govern relations between the Parties, and their respective rights and obligations with regard to their participation in the project no. TQ16000072 / NSTC 114-2923-E-006-006-MY3 under the title “*Recyclable Waste-derived Sorbents for Sustainable Process GHG Emissions Control*” (hereinafter as the “Project”) which was approved for co-financing by the Technology Agency of the Czech Republic (hereinafter TACR) in the frame of the Sigma Programme - for the Parties from the Czech Republic, and by the National Science and Technology Council (hereinafter NSTC) - for the Parties from Taiwan.
2. The main axis of this research plan aims at the production of novel, effective waste-based sorbents for the issue of controlling the process and flue gas composition. The considered input raw material is based on waste biomass and municipal/industrial waste, thus the question of waste management is being addressed at the regional level. The intention includes pilot technological complexes of pyrolysis and gasification at the current level of TRL4 (goal is TRL6). An extensive set of research activities associated with the physical/chemical treatment of sorbents using plasma and steam environments is included. The applicability of sorbents in the field of combustion flue gas treatment, CO2 separation from biogas, catalytic synthesis residual gas and H2 bio-reforming will be addressed.
3. The Project has duration of 36 months - from 01/2025 to 12/2027.
4. The Parties shall carry out the Project and their respective tasks under the Project in accordance with the conditions set by the providers of the financial support (TACR and NSTC) with whom the Parties are obliged to sign a contract.

Article 3

Plan of activities

1. The Parties are hereby committing to perform activities in compliance with the Project & Schedule description set in the Common Proposal which was an integral part of the approved project proposal.
2. Detailed division of works and activities among the Parties, including project outputs, is specified in Annex 1 – Project schedule.
3. Parties undertake to make all necessary efforts to fulfil the purpose, goal and result of the project stated in Article II of this Agreement. Failure to achieve the purpose, goal and result of the project referred to in Article II of this Agreement can only be justified by the fulfilment of circumstances generally recognized and defined as force majeure.

Article 4

Intellectual property rights

1. Any patents, copyrights, trade secret, trademark and other intellectual properties existing prior to the Project (hereinafter "Background IP") shall belong to the party that owned such rights prior to the project. All Parties agree that nothing in this Agreement shall be construed to grant either party any license with respect to the other's Background IP.
2. Excluding each Parties' Background IP, Contract parties agreed that future intellectual property created by fulfilling tasks within the project (hereinafter "intellectual property") is always property of a side the employees of which created this intellectual property.
3. If the intellectual property is created by fulfilling tasks within the project provably in cooperation of employees of more sides, relevant details of intellectual property shall be determined by all Parties separately and set forth in a separate written formal agreement.

Article 5

Confidentiality

1. All information related to the solution of the project and the results of the project are considered confidential, except for information provided to the Information System of research, experimental development and innovation or information that the providers of the financial support (TACR, NSTC) are obliged to provide to other state administration bodies, judicial authorities, or authorities active in criminal proceedings.
2. The Parties shall ensure the confidentiality of all confidential information and, if it has been transferred to a third party under the Agreement, shall ensure that such third parties maintain the confidentiality of such information provided to them as confidential and use it only for the purposes for which they were handed over.
3. The Parties agree that scientific publications, registered as Project outputs, will be released from the obligation to maintain confidentiality, if the included information does not endanger other outputs' intellectual property rights registration. Mutual agreement on the included content within the publication must be met.
4. The parties are released from the obligation to maintain confidentiality,
 - a) if the content of the information provided to them as confidential becomes publicly accessible, based on other activities, even carried out outside the scope of the Agreement or based on measures not related to the solution of the project, or
 - b) if the requirement to maintain confidentiality has been revoked by those for whose benefit this obligation was established.

Article 6

Other clauses

1. If dissemination of knowledge does not adversely affect its protection or use and subject to legitimate interests, the Parties shall ensure further dissemination of their own knowledge as provided under this Agreement.

Article 7

Final clauses

1. The Parties are aware that they are not eligible to hand over rights and duties according to this contract to any third person without previous written consent of all other contract parties.
2. The Parties from the Czech Republic are not responsible in any case for handling or on the contrary inactivity of the Parties from Taiwan and for results of the project phases solved by them. The parties from Taiwan are not responsible in any case for handling or on the contrary inactivity of the Parties from the Czech Republic and for results of the project phases solved by them. In case of dispute between the Parties from the Czech Republic and Taiwan, the relevant Parties will effort to its solution by negotiations with target to reach consensus. If the consensus will not be reached by 3 months from dispute appearance at the latest, eventually if the negotiations for solution of the dispute will not be commenced within this time, the dispute will be solved by three appointed arbitrators with English language under the jurisdiction of International Court of Arbitration in a third country, the final decision of which the Parties are binding themselves to respect.
3. It is possible to change the Agreement only by written amendments signed by all Parties.
4. The Agreement is concluded for terminated period – for the period approved by providers of the financial support (TACR and NSTC) for solution of the Project.
5. The Agreement shall be executed in five (5) originals, always one for each of the Parties. The electronic version will be forwarded to TACR via the data box of the Coordinator – CZ.
6. The contracting parties agree to the publication of the full text of this Agreement in the register of contracts in accordance with Act No. 340/2015 Coll., on special conditions for the effectiveness of certain contracts, publication of these contracts and on the register of contracts (Act on the Register of Contracts) in the Czech Republic. Publication of the Agreement through the register of contracts will be ensured by the Participant 1 - CZ.
7. The Parties are declaring that this Agreement is expression of their right and free will and is not concluded in strait and disadvantageous conditions. For testimony of that they are adding their signatures.

Annexes

Annex 1 – Project schedule

Signature sheets

In Prague on

Coordinator - CZ
Henry Gas, a.s.

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Ondřej Douša, Chairman of the board of directors

2018-10-11




Project title: Recyclable Waste-derived Sorbents for Sustainable Process GHG Emissions Control

Project number: TQ16000072 / NSTC 114-2923-E-006-006-MY3

In Ostrava on 03-02-2025

Participant 1 – CZ
VSB – Technical University of Ostrava


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prof. RNDr. Václav Šnasek CSc. Rector

Project title: Recyclable Waste-derived Sorbents for Sustainable Process GHG Emissions Control

Project number: TQ16000072 / NSTC 114-2923-E-006-006-MY3

In Tainan on

Coordinator - TW
National Cheng Kung University



Prof. Wei-Hsin Chen, Director of Energy Industry Talent Education Center

Project title: Recyclable Waste-derived Sorbents for Sustainable Process GHG Emissions Control

Project number: TQ16000072 / NSTC 114-2923-E-006-006-MY3

In Hsin-Chu on

Participant 1 – TW
Industrial Technology Research Institute



Dr. Po-Jen Su, Engineer

Project title: Recyclable Waste-derived Sorbents for Sustainable Process GHG Emissions Control

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