Instytut Automatyki Systemów Energetycznych Sp. z o.o.
Centrum Badawczo-Rozwojowe
51-618 Wrocław, ul. Wystawowa 1

Project numberr:	NOR/POLNORCCS/NEGATIVE-CO2-PP/0009/2019
Title of the Project:	„Negative CO2 emission gas power plant”
Programme:	Programme „Applied research” under the Norwegian Fincancial Mechanisms 2014-2021 POLNOR CSS 2019 – Development of CO2 capture solutions integrated in power and industry processes
The total cost of the project:	17 097 103,37 PLN
The value of co-financing:	16 618 633,17 PLN
Supervision:	The project is supervised by the National Center for Research and Development (www.ncbr.gov.pl)
Project acronym:	NEGATIVE-CO2-PP
National smart specializations:	high efficiency, low-emission and integrated manufacturing, storage, transmission and distribution of energy systems (NSS 4)
Beneficiaries:	• Gdańsk University of Technology (Lider) • Institute of Fluid-Flow Machinery of Polish Academy of Sciences • Wrocław University of Science and Technology • Norges Teknisk-Naturvitenskapelige Universitet • AGH University of Science and Technology • SINTEF Energi AS • Instytut Automatyki Systemów Energetycznych Sp. z o.o. • BROS CONTROL Sp. z o.o.
Project duration:	01.11.2020 – 01.11.2023
Project objective:	The project deals with the significant problem of reducing CO2 emissions by developing new technologies for thermal processing of organic waste, including the use of plasma technology. The technologies are to be safe for the environment, while reducing CO2 emissions to the atmosphere. The new approach is aimed at obtaining energy production with the so-called negative CO2 emissions through the use of an innovative and automated energy cycle for the treatment of sewage sludge. IASE sp. z o. o. will be responsible for the implementation of the I&A installation for devices included in the technological line and its full automation based on the proprietary DCS MASTER system. In addition, the Company's specialists will join the design of the elements of the prototype installation, in particular the block using low-temperature plasma in the process of valorization of products from the processing of sewage sludge.
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"Negative CO2 emission gas power plant” - the project is co-financed by
Programme "Applied research" under the Norwegian Financial Mechanisms 2014 – 2021.
Project Contract: NOR/POLNORCCS/NEGATIVE-CO2-PP/0009/2019-00.