

List of MOUs

16th December, 2023

No.	Project	Country	Japanese Company	Company in AZEC Countries
1	HyNQ North Queensland Clean Energy Project: IHI to Join Japanese and Australian Green Ammonia Production and Export Joint Venture	Australia	IHI Corporation	Energy Estate CS Energy Idemitsu Renewable Development Australia
2	MOU with the Clean Energy Finance Corporation (CEFC) of Australia (October 2023)	Australia	Japan Bank for International Cooperation (JBIC)	Clean Energy Finance Corporation
3	MOU to contribute to Japanese investments towards projects on hydrogen, ammonia and CCS in the State of New South Wales, Australia	Australia	Japan Organization for Metals and Energy Security	the State of New South Wales, Australia
4	MOU for Feasibility Study of Commercial-scale Hydrogen Supply in Gladstone	Australia	SUMITOMO CORPORATION	Rio Tinto Aluminum
5	MOU for Feasibility Study to Establish a Japan-Australia CCS Value Chain	Australia	SUMITOMO CORPORATION Kawasaki Kisen Kaisha, Ltd. ("K" LINE) TOHO GAS Co., Ltd.	Woodside Energy
6	MOU for Feasibility Study to Realize "Setouchi / Shikoku CO2 Hub Concept"	Australia	SUMITOMO CORPORATION Kawasaki Kisen Kaisha, Ltd. ("K" LINE) JFE Steel Corporation Sumitomo Osaka Cement Co.,Ltd.	Woodside Energy
7	Cooperation in biomass projects between erex Co.,Ltd. and SPHP (Cambodia) Co., Ltd. and the MME of the Kingdom of Cambodia	Cambodia	erex Co.,Ltd.	KTC
8	Memorandum of Cooperation regarding the feasibility study of electricity transmission business between Kansai /Kansai TD , the Ministry of Energy and Mineral Resources of Indonesia (BBSP/ MEMR), and PT PLN	Indonesia	The Kansai Electric Power Company, Incorporated Kansai Transmission and Distribution, Inc.	PLN Survey and Testing Center of Electricity, New Energy, Renewable and Energy Conservation(BBSP)
9	Establishment of stable supply for Indonesian solid biomass by diversifying of biomass materials and realization of multi-shipment	Indonesia	PT SANTOMO RESOURCES INDONESIA	PPT ENERGY TRADING CO. LTD.
10	MOU between JICA and PT PLN (Persero) for Capacity Building to promote Energy Transition in Indonesia	Indonesia	Japan International Cooperation Agency (JICA)	PLN
11	Master Plan for Energy Management Project in Indonesia (PT PLN (Persero) and JICA)	Indonesia	Japan International Cooperation Agency (JICA)	PLN The Ministry of Energy and Mineral Resources, Indonesia
12	MOU with PT Pupuk Indonesia(Persero) of Indonesia (May 2023)	Indonesia	Japan Bank for International Cooperation (JBIC)	Pupuk Indonesia
13	MOU with Nusantara Capital Authority of Indonesia (May 2023)	Indonesia	Japan Bank for International Cooperation (JBIC)	the Nusantara National Capital Authority
14	MOU between Pertamina and JCCP - Capability development and technical cooperation in the energy sector -	Indonesia	Japan Cooperation Center for Petroleum and Sustainable Energy (JCCP)	Pertamina
15	JCCP-Indonesia Cooperation Plan for FY2023-2024 - Capability development and technical cooperation in the energy sector -	Indonesia	Japan Cooperation Center for Petroleum and Sustainable Energy (JCCP)	Pertamina The Ministry of Energy and Mineral Resources, Indonesia
16	MOU between JERA and PERTAMINA on LNG/LCF Value Chain Collaboration	Indonesia	JERA Co., Inc.	Pertamina
17	MOU on Methane emission measurement and CI quantification project between Pertamina and JOGMEC	Indonesia	Japan Organization for Metals and Energy Security (JOGMEC)	Pertamina
18	Joint Study towards Implementing CO2 Injection Field Test in Sukowati Field in Indonesia	Indonesia	Japan Organization for Metals and Energy Security Japan Petroleum Exploration Co., Ltd. (Abbreviation: JAPEX)	Pertamina
19	Joint Commitment for Plan on the Signing of PPP Agreement for Legok Nangka WTE Project	Indonesia	SUMITOMO CORPORATION Hitachi Zosen Corporation PT Energia Prima Nusantara	West Java Gov.
20	PT. Olympic Bangun Persada and Sumitomo Forestry Signed a JV Agreement to Build Detached Housing Project Equipped with Solar Panel as a Standard Feature	Indonesia	Sumitomo Forestry Co., Ltd.	PT Olympic Bangun Persada
21	MOU on decarbonization in GIIC industrial park and Deltamas City	Indonesia	Sojitz Corporation	Sinar Mas Land
22	Basic agreement on carbon credit creation associated with EFB pellet production	Indonesia	TESS Holdings Co., Ltd.	Perkebunan Nusantara3 PTEC
23	MoU for Joint Study on the Full-scale Geothermal Utilization between PT Geo Dipa Energi (GDE) and TOYO Engineering Corporation (TOYO)	Indonesia	Toyo Engineering Corporation	Geo Dipa

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24	MOU on joint development of Renewable Natural Gas Projects between PT. Toyota Tsusho Indonesia (TTI) and PT. Perusahaan Gas Negara Tbk (PGN)	Indonesia	Toyota Tsusho Corporation	PGN
25	Heads of Agreement on the Development of Biomethane from Palm Oil Waste	Indonesia	JGC Holdings Corporation Osaka Gas Co., Ltd. INPEX	Perusahaan Gas Negara Tbk
26	Commercial operation contract signed with PT. PLN, Indonesia's state-owned power company, for Tongar Hydro Power Plant	Indonesia	NiX JAPAN Co., Ltd.	PT. PLN
27	MOU between PERTAMINA and NEXI	Indonesia	Nippon Export and Investment Insurance (NEXI)	Pertamina
28	Memorandum of Understanding with BRIN (Indonesia National Research and innovation agency) for cooperation in carbon neutral contribution technology	Indonesia	New Energy and Industrial Technology Development Organization	BRIN
29	Indonesia's Energy Transition - Net Zero	Indonesia	Hitachi Energy Ltd.	The Ministry of Energy and Mineral Resources, Indonesia
30	MOU related with Energy Management Utilizing Battery	Indonesia	Mitsubishi Corporation	ICON PLUS
31	Joint Development Agreement on pilot scale development of green hydrogen and green ammonia	Indonesia	Tokyo Electric Power Company Holdings, Incorporated Yamanashi Hydrogen Company, Inc.	Pertamina Power Indonesia
32	Agreement to confirm cooperation to launch a joint philanthropic fund to provide funding, mentoring, and policy advocacy support for projects that address social issues in the ASEAN region	Indonesia	PoliPoli	Pijar Foundation
33	LOI on Low Carbon Fertilizer Off-take Agreement	Laos	Tsubame BHB Co., Ltd.	Agri laos co., Ltd
34	Coffee Roasting using Green Hydrogen in Pakse-Japan SME SEZ, Champasak Province, Lao PDR	Laos	TTCL Public Company Limited	Phetsavangjoint
35	Basic agreement on the commercial use of the world's first dedicated ammonia gas turbine	Malaysia	IHI Corporation	Gentari Hydrogen Sdn. Bhd
36	MoU between IHI and TNB Power Generation Sdn Bhd regarding basic design for small scale ammonia and/or biomass mix-firing	Malaysia	IHI Corporation	TNB Power Generation Sdn Bhd (GENCO)
37	MOU on FEED study for 60 MW class alkaline water electrolyser to produce green hydrogen in Malaysia	Malaysia	Asahi Kasei Corp. JGC Holdings Corporation	Gentari Hydrogen Sdn. Bhd
38	Joint Development Agreement (JDA) for Production and Exportation of Green Hydrogen/MCH in Sarawak, Malaysia	Malaysia	SUMITOMO CORPORATION ENEOS Corporation	SEDC Energy
39	e-methane Production in Malaysia using Biomass	Malaysia	Osaka Gas Co., Ltd. IHI Corporation	Petronas
40	MOU for hydrogen and ammonia and other utilization projects in Johor, Malaysia	Malaysia	Mitsubishi Heavy Industries, Ltd. Sojitz Corporation	Johor Corporation
41	Strategic Technology Partnership between TNB Power Generation SDN. BHD ("TNB GENCO") and Toshiba Energy Systems & Solutions Corporation ("TESS") for TNB GENCO CCUS pilot plant facility	Malaysia	Toshiba Energy Systems & Solutions Corporation	TNB Power Generation Sdn Bhd (GENCO)
42	MOC on the cross-border of CO2 transportation between METI, JOGMEC and PETRONAS	Malaysia	Ministry of Economy, Trade and Industry Japan Organization for Metals and Energy Security	Petronas
43	Offshore Peninsular Malaysia CCS Value Chain	Malaysia	MITSUI & CO., LTD.	Petronas, TotalEnergies
44	MOU for AZEC promotion in the Philippines (October 2023)	Philippine	Japan Bank for International Cooperation (JBIC)	Aboitiz Power Corporation, MPIC
45	Tri-parties' MOU to study retrofitting with ammonia combustion by Sembcorp, IHI and GE in Singapore	Singapore	IHI Corporation	Sembcorp, GE Vernova
46	Asuene partnering with Pavilion Energy	Singapore	Asuene Inc	Pavilion Energy Trading & Supply Pte. Ltd.
47	India/ MOU of Green Ammonia Production Business	Singapore	Kyushu Electric Power Company, Incorporated Sojitz Corporation	Sembcorp Industries

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48	Business partnership to create a credit fund with the theme of ASEAN sustainability	Singapore	Mercuria Investment Co., Ltd.	OCBC
49	Mizuho and Climate Impact X join forces to scale carbon credit market in Asia	Singapore	Mizuho Financial Group, Inc.	Climate Impact X
50	Zeroboard(Japan) / Summit Auto Body Industry Co., Ltd. (Thailand) MOU	Thailand	Zeroboard Inc.	Summit Group
51	Zeroboard (Japan)/Innopower (Thailand) MoU	Thailand	Zeroboard Inc.	INNOPOWER
52	Zeroboard (Japan)/SENA Development (Thailand) MoU	Thailand	Zeroboard Inc.	SENA
53	Zeroboard(Japan) / TPA (Thailand)MOU	Thailand	Zeroboard Inc.	TPA
54	Zeroboard (Japan)/THS Innovations (Thailand) MoU	Thailand	Zeroboard Inc.	THS Innovations
55	Signing a Term Sheet for Producing Bio Jet Fuel from Inedible feedstocks	Thailand	Sojitz Corporation	PTT Group
56	Memorandum of Understanding on Cooperation in Innovation and Technology Research and Development	Thailand	New Energy and Industrial Technology Development Organization	NIA
57	Memorandum of Understanding on Cooperation in Development of a Startup Ecosystem	Thailand	New Energy and Industrial Technology Development Organization	NIA
58	MOU for the utilization of hydrogen, ammonia and CCS to de-carbonize petrochemical plant in Thailand	Thailand	Mitsubishi Heavy Industries, Ltd.	PTT Global Chemical(GC)
59	Mitsubishi Corporation and Thai CP Group Memorandum on joint FS for decarbonization of the manufacturing industry in Thailand	Thailand	Mitsubishi Corporation	CP Group
60	Memorandum of Understanding between Mitsubishi Corporation and PTT Public Company Limited regarding joint study on the development of next-generation fuel for automobiles	Thailand	Mitsubishi Corporation	PTT
61	Three Parties' Joint Feasibility Study for FPV Project in Laos	Vietnam	ITOCHU Corporation	Electricite De France SA, Viet Lao Power JSC
62	MEMORANDUM OF UNDERSTANDING For the joint development of the TraVinh Offshore Wind Farm with a total expected capacity of 1.8 GW in TraVinh province, Vietnam	Vietnam	Kumagai Gumi Co., Ltd. INPEX The Kansai Electric Power Company, Incorporated	TTVN (Truong Thanh Vietnam Group), REE Corp
63	MEMORANDUM OF AGREEMENT ON JOINT PROJECT "Improving the Capacity of LPG Cylinder Distribution Management in Vietnam by using barcode seals"	Vietnam	Japan Cooperation Center for Petroleum and Sustainable Energy (JCCP)	PV Gas PV Gas LPG
64	Memorandum of Understanding with Vietnam Electricity("EVN") for collaboration on Decarbonization Roadmap development	Vietnam	JERA Co., Inc.	EVN
65	MOU with VietinBank of Vietnam (December 2023)	Vietnam	Japan Bank for International Cooperation (JBIC)	VietinBank
66	MOU between PV Gas and Sumitomo Corporation for LNG to Power Project	Vietnam	SUMITOMO CORPORATION	PV Gas
67	MOU for business development to realize a Carbon Neutral Society	Vietnam	Tokyo Electric Power Company Holdings, Inc.	Vietnam Electricity Group
68	Memorandum of Understanding with NATIF for cooperation in energy, environment-related technologies and industrial technologies	Vietnam	New Energy and Industrial Technology Development Organization	NATIF
69	MOU on starting cooperation on system collaboration for digitalization of the trade procedures	Vietnam	TradeWaltz	FPT Information System corporation FPT Japan Holdings
70	MOU for jointly studying further promotion of a blended finance scheme, utilizing private financing, to accelerate the development of developing countries	ASEAN	Nippon Export and Investment Insurance (NEXI)	Japan International Cooperation Agency(JICA)
71	Cooperation on research and policy advocacy activities in the field of digital innovation and sustainable economy	ASEAN	Economic Research Institute for ASEAN and East Asia (ERIA)	Institut Teknologi Bandung Universiti Teknologi Malaysia De La Salle University