

Comprehensive MOU (as of December 31, 2020)

Area	Country	Organization	Intended Areas of Cooperation	Since
Asia	India	Department of Biotechnology (DBT), Ministry of Science and Technology	<ul style="list-style-type: none"> ●Life Science ●Biotechnology 	2007/2/12
	India	Council of Scientific and Industrial Research (CSIR)	<ul style="list-style-type: none"> ●Areas of mutual interest 	2007/2/12
	Indonesia	Agency for the Assessment and Application of Technology (BPPT)	Cooperation in a broad scientific area including, but not limited to: <ul style="list-style-type: none"> ●Life Science and Biotechnology ●Energy and Environment ●Geological and Marine Survey ●Information Technology and Human Factors ●Materials and Chemistry ●Electronics and Manufacturing ●Metrology 	2011/2/24
	Thailand	Thailand Institute of Scientific and Technological Research (TISTR)	Cooperation in a broad range of scientific areas including, but not limited to: <ul style="list-style-type: none"> ●Energy and Environment ●Life Science and Biotechnology ●Metrology 	2004/11/25
	Thailand	Industrial Technology Research Institute (ITRI)	Cooperation in a broad range of scientific areas, including but not limited to: <ul style="list-style-type: none"> ●Green Technology including Photovoltaics and Photocatalysts ●Nanotechnology ●Metrology and Measurement 	2005/9/26
	China	Chinese Academy of Sciences (CAS)	Cooperation in a broad range of scientific areas including, but not limited to: <ul style="list-style-type: none"> ●Energy and Environment ●Life Science and Biotechnology ●Information Technology and Human Factors ●Materials and Chemistry ●Electronics and Manufacturing ●Geological Survey ●Metrology 	2012/6/5
	China	Shanghai Jiao Tong University (SJTU)	Cooperation in a broad range of scientific areas including, but not limited to: <ul style="list-style-type: none"> ●Life Science and Biotechnology ●Nanotechnology and Materials ●Environment and Energy 	2012/6/5
	Vietnam	Vietnam Academy of Science and Technology (VAST)	Cooperation in a broad area of scientific fields including, but not limited to: <ul style="list-style-type: none"> ●water treatment ●earth science ●marine science 	2004/12/15
	Mongolia	Ministry of Mineral Resources and Energy in Mongolia (MMRE) Japan Oil, Gas and Metals National Corporation (JOGMEC)	Cooperation on geological investigation and implementation of the mineral resources projects in Mongolia	2010/7/30
	Netherlands	High Tech Campus Eindhoven (HTCE)	cooperation between the Parties and their related companies for global business development through such activities as: <ul style="list-style-type: none"> ●support for potential relocation activities of institutes and/or businesses ●stimulation of implementation of joint projects for innovation promotion ●information sharing of technology trends in the key technology area, the open innovation and the high tech business environment 	2017/5/19
	Germany	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e. V. (FhG)	<ul style="list-style-type: none"> ●Cooperation in areas of mutual interest 	2012/7/6
	Germany	Deutsches Zentrum für Luft- und Raumfahrt (DLR)	<ul style="list-style-type: none"> ●thermoelectric conversion materials ●lithium-ion battery ●other fields 	2017/3/19
	Norway	Institute for Energy Technology (IFE)	No research fields specified	2007/1/16
	Norway	The Foundation for Scientific and Industrial Research (SINTEF)	No research fields specified	2007/1/16

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Europe	Norway	Norwegian University of Science and Technology (NTNU)	No research fields specified	2006/9/28
	Finland	Technical Research Centre of Finland (VTT)	Research cooperation in the fields including, but not limited to: ●Electronics and manufacturing ●Materials and chemistry ●Information technology and human factors	2006/2/15
	France	Commissariat à l'Energie Atomique et aux energies alternatives (CEA)	Cooperation in the fields of: ●energy and environment, ●micro-electronics, ●nanotechnology and materials, ●biotechnology and life sciences, and ●information technology and human factors	2010/5/17
	France	Centre National de la Recherche Scientifique (CNRS)	●Areas of mutual interest	2001/11/22
	EC	Joint Research Centre of the European Commission (JRC)	Collaboration in the fields including, but not limited to: ●nanotechnology and chemicals ●metrology and measurement ●energy with emphasis on technical cooperation.	2017/5/29
Oceania	Australia	Commonwealth Scientific and Industrial Research Organisation (CSIRO)	Cooperation in the areas of mutual scientific interest including, but not limited to: ●energy ●geology ●biotechnology ●information technology ●nanotechnology	2007/3/6
	New Zealand	The University of Auckland	Cooperation in a broad field including, but not limited to: ●advanced materials ●energy ●robotics and artificial intelligence	2019/9/20
North America	Canada	National Research Council of Canada (NRC)	Cooperation in areas of mutual interest such as: ●Advanced Manufacturing ●Clean Technologies ●Digital Technologies ●Human Factors ●Life Sciences ●Nanotechnology ●Metrology and Standards	2019/10/9
	U. S. A.	Sandia National Laboratories (SNL)	Collaboration in the areas of ●power electronics interoperability testing ●geothermal technology ●hydrogen technology	2009/5/4
	U. S. A.	National Renewable Energy Laboratory (NREL)	Cooperation to maximize the benefit to their respective institutional interests including: ●Solar Photovoltaics ●Renewable Energy Systems Integration ●Energy Storage	2009/5/4
	U. S. A.	National Institute of Standards and Technology (NIST)	Cooperation in a broad range of scientific areas including, but not limited to: ●Metrology ●Information Technology and Artificial Intelligence ●Life science and Biotechnology ●Environment and Energy ●Nanotechnology, Materials, and Chemistry ●Electronics and Manufacturing	2009/5/4
	U. S. A.	Pacific Northwest National Laboratory (PNNL)	Cooperation in the areas of renewable energy storage technology including, but not limited to: ●Catalysis and materials development for energy storage in chemical bonds	2017/12/14