

Press Release



New Energy and Industrial Technology
Development Organization

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NEDO and the National Science and Technology Development Agency of Thailand Conclude Memorandum of Understanding on Comprehensive Cooperation

The New Energy and Industrial Technology Development Organization of Japan (“NEDO”) and the National Science and Technology Development Agency of the Kingdom of Thailand (“NSTDA”)* concluded a Memorandum of Understanding (“MOU”) on cooperation in technology research and development on February 7, 2012. Under the MOU, NEDO and NSTDA will strengthen its cooperative research system and promote joint research projects between Japan and Thailand.

NEDO and NSTDA confirmed that the project on “Cooperative Research on a Volatile Organic Compounds (“VOC”) Monitoring System and Environmental Information Management System in Thailand,” which was started in the current fiscal year, will be actively promoted based on the MOU.

The project, which includes the establishment of a VOC monitoring system as well as VOC diffusion forecasting, will be implemented at the Map Ta Phut Industrial Estate, where the implementation of environmental measures have become a pressing issue. The objectives of the project are, in cooperation with NSTDA, to work together with the Map Ta Phut Industrial Estate as well as local communities for mutual prosperity and benefit, as well as contribute to Thailand’s environmentally-friendly industrial development by introducing Japanese environmental technologies.

The MOU was signed by Dr. Thaweesak Koanantakool, President of NSTDA, and Mr. Kazuo Furukawa, Chairman of NEDO.

* The National Science and Technology Development Agency, an umbrella organization under the Ministry of Science and Technology, is the largest national research institute in Thailand and comprises four national research centers.

1. MOU on Comprehensive Cooperation

Under the MOU, NEDO and NSTDA agreed to jointly carry out research activities in a broad range of fields, including biotechnology, medical technology, smart community, electronics, materials technology, nanotechnology, machinery systems, renewable energy technology, energy conservation technology and environment technology.

2. Cooperative Research on a VOC monitoring system and environmental information management system in Thailand

The Map Ta Phut Industrial Estate is a large-scale heavy chemical industrial estate located in Rayong Province, where the implementation of environmental measures is an urgent issue.

Under the project, an environmental information management system will be established, which includes a full-time VOC monitoring system with high-precision sensors as well as VOC diffusion forecasting. The project will be carried out in cooperation with relevant entities and a full-time monitoring system will be installed to quantitatively identify environmental conditions for the purpose of providing key information on environmental reform measures.

NEDO will provide funding to Fujitsu Limited, the company entrusted to carry out the project. In addition to NSTDA, the Ministry of Industry, the Industrial Estate Authority of Thailand and Chulalongkorn University will carry out mutual research under the project as participants on the Thailand side.

The Ministry of Industry, the Industrial Estate Authority of Thailand and the Industrial Estate Authority of Thailand will focus on the immediate goal of establishing a system to disclose data to local residents that is easy to comprehend, using analysis results (including forecasting) obtained from full-time monitoring.

By strengthening the relationship of mutual trust between the industrial estate and local residents, the project also aims at disseminating the system technology to other industrial estates in Rayong Province, where a number of petrochemical plants are located, including the IRPC industrial estate. In Thailand, industrial estates are at the core of industrial development, and with the ultimate goal of maintaining sustainable industrial development, the project aims to manage industrial estates by packaging environmental measures and information disclosure to prevent trouble and gain the trust of local residents, thereby ensuring stable operations. NEDO will support these types of environmental measures in Thailand and is committed to contributing to environmentally-friendly industrial development overseas.

3. Future Outlook

A meeting will be held between NEDO and NSTDA to discuss and develop the next activity in the field of smart community and other areas.

4. Contact Persons

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