

METI

Ministry of Economy, Trade and Industry

JCM Finance Programme by Ministry of Economy, Trade and Industry of Japan

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METI's support for the JCM partner countries

- METI supports the introduction of **advanced decarbonizing technologies through Demonstration Projects** which contribute to the decarbonization of the JCM partner countries.
- The project cost burdened by Japanese side is **100% supported by Japanese government (METI/NEDO).**

Examples of past projects



Total: 11 projects in 6 countries (As of July 2022)

JCM Feasibility Study by METI



Scope:

- Consider basic elements of the demonstration (technology, project site, stakeholders, etc.)
- Establish the basis of JCM methodology for quantification of the GHG emission reduction
- Study the possibility of dissemination of the introduced technology
- Project cost: approx. 120 thousand USD per study

Project period:

Up to 1 year

Assumed technical areas: Energy efficiency with IoT, EMS, Renewable energy, CCS/CCUS, Hydrogen/Ammonia, etc.

JCM Demonstration Projects by NEDO (*)



Scope:

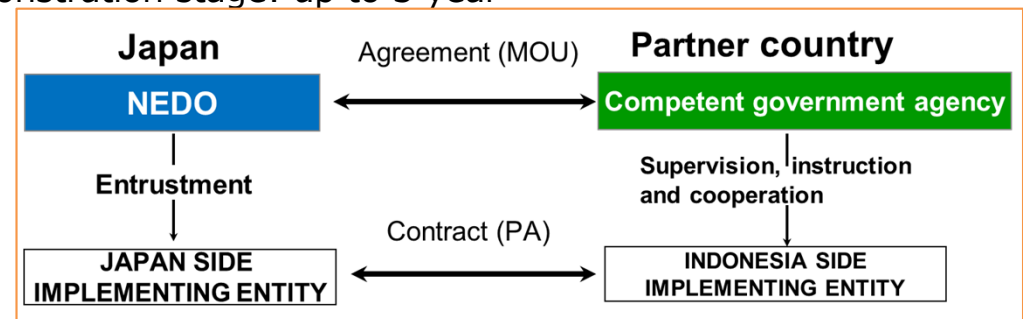
Demonstrate and verify the effectiveness of advanced decarbonizing technology:

- Introduction of relevant facilities and systems, and conduct demonstration
- Quantification of GHG emission reduction effectiveness
- JCM procedure toward issuance of JCM credits
- Budget for FY 2022: 1.1 billion JPY (approx. 10.2 million USD)

Project period:

Pre-demonstration stage: up to 1 year

Demonstration stage: up to 3 year



* NEDO = New Energy and Industrial Technology Development Organization

Demonstration Projects by METI* (as of May 2022)

* Including NEDO and UNIDO

Mongolia:

- **★High efficiency and low loss power transmission and distribution system (Hitachi)**
※FY2013 – Feb 2019

Kenya:

- **Rural Electrification Project for Communities by Micro Hydro Power in Kenya (NTT Data Institute of Management consulting, Inc.)**
※FY2012 – Feb 2019
※implemented by UNIDO

Thailand:

- **IoT utilization promotion project to streamline and advance power generation assets for electric power companies in ASEAN countries (Marubeni)**
※FY Feb 2019 –
- **Low-carbon Operation for Power Grid utilizing Optimized Performance Enabling Network for Volt/Var(Q) (OPENVQ)**
※FY Feb 2020 –

Vietnam:

- **★Energy saving by inverter air conditioner optimum operation at National Hospital (Mitsubishi Electric)** ※Jan 2014 - Jun 2017
- **★Energy saving by BEMS optimum operation at Hotel (Hibiya Engineering)**
※Jan 2014 – Feb 2018
- **★Energy Saving and Work Efficiency Improvement Project by special LED Equipment with new technology, COB(Stanley Electric)**
※ Jan 2015 – Feb 2018

Lao PDR:

- **★Lao PDR Energy efficient data center(LEED) (Toyota Tsusho Corporation, Internet Initiative Japan)**
※FY2014 - Oct 2018

Indonesia:

- **Operation Optimization in Utility Facility (Azbil)**
※FY2013 – Dec 2018
- **Energy Saving by Optimum Operation at Oil Refinery (Yokogawa)**
※FY2013 – Feb 2019
- **The low carbonization of mobile communication's BTS (Base Transceiver Station) by the Introduction of "TRIBRID system" (KDDI)**
※FY2015 – Feb 2019

Total: **11 projects** (6 countries)

- Underlined projects, one in Mongolia, three in Vietnam, one in Lao PDR, three in Indonesia, one in Kenya were registered as JCM projects.
- Projects with "★" are those which JCM credits have been issued.