# New Mechanisms Express

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Web: http://www.mmechanisms.org/e/

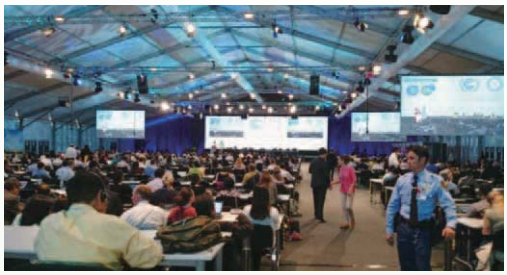
The New Mechanisms To Be Moved Forward




## Special Report 1 COP20 decisions and JCM-related activities

### COP20 decisions

The 20th session of the Conference of the Parties to the UNFCCC (COP20) and the 10th session of the Conference of the Parties serving as the Meeting of the Parties to the Kyoto Protocol (COP/MOP10) were held in Lima, Peru from December 1st to 14th, 2014.



1) Regarding the post 2020 framework, Parties adopted a COP Decision, called the "Lima Call for Climate Action", which includes information to be provided by all Parties in their intended nationally determined contributions (INDCs*). Parties were invited to do so well in advance of the COP21 (by the first quarter of 2015 by those Parties ready to do so).

*INDCs may include information of the reference point (base year etc.) , time frames and/or periods, scope, coverage etc.

2) Japan's Minister of the Environment, Mr. Mochizuki gave an address as Japan's representative, advocating for the goal of reducing GHG emissions by 50 percent at the global level and by 80 percent in the developed world by 2050. He also stated that Japan will aim to submit its INDCs as early as possible, contribute to reducing emissions by utilizing Japanese technologies, and advance support for mitigation actions and adaptation by developing countries in addition to financial assistance.

### JCM High-level Roundtable

At the COP20, Government of Japan convened a meeting with 12 countries which signed a bilateral documents on the JCM with Japan. The representatives welcomed the development of the JCM and shared their will to make progress in the implementation of the JCM in collaboration with related stakeholders. As a result, a Joint Statement at the JCM High-level Roundtable was released.



### Side Event "Actions for low carbon development in developing countries through the JCM"

The Ministry of the Environment, Japan (MOEJ), the Global Environment Centre Foundation (GEC) and the Overseas Environmental Cooperation Center (OECC) jointly held a side event on 8th December. This event presented the current status of and expectations for the implementation of the JCM. This side event was selected as part of the "Pre-2020 Action Fair", organized by the UNFCCC and its contents were posted in the dedicated website.

Video Coverage by IISD Reporting Services is available at: http://vimeo.com/114006215

# Special Report 2 The first JCM project registered between Japan and Indonesia

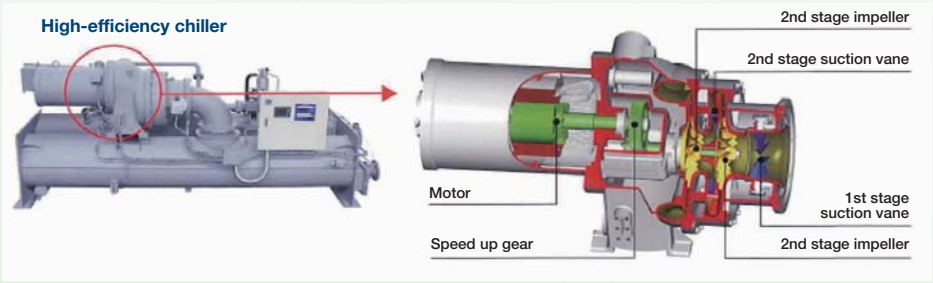
A bilateral document on the JCM was signed between Japan and Indonesia in August 2013. The Ministry of the Environment, Japan (MOEJ) for the purpose of facilitating the implementation projects developed by private entities under the JCM started a programme named "JCM model projects" in 2013.
The 3rd Joint Committee (JC) meeting was held on October 31st , 2014 and approved the registration of the first JCM project conducted by Ebara Refrigeration Equipment & Systems Co., Ltd.

The 3rd Joint Committee in Bogor, Indonesia

The JC discussed project registration, rules and guidelines, proposed methodologies and projects for the JCM.
Please also refer the JCM website for further details of the outcomes of the JC.
(https://www.jcm.go.jp/id-jp/information/69)

## Outline of the registered JCM project

In Indonesia, humidity control is indispensable for the textile industry in order to maintain product quality. Hence, textile factories consume massive energy for air conditioning. The registered JCM project replaces conventional chillers (230USRt and 250USRt) with high-efficiency chillers (500USRt) using the non-ozone depleting refrigerant HFC245fa, which aims to reduce $CO_2$ emissions through energy-saving, while maintaining the quality of products, and improving the labor environment.




**●Project Name**
"Energy Saving for Air-Conditioning and Process Cooling by Introducing High-efficiency Centrifugal Chiller"

**●Project Developer**
Ebara Refrigeration Equipment & Systems Co., Ltd., Nippon Koei Co., Ltd. , PT. Primatexco Indonesia

**●Estimated Emissions Reduction**
799 $tCO_2$ by 2020

## Interview: Ebara Refrigeration Equipment & Systems Co., Ltd.

**This article is a summary of an interview with the person in charge of the first JCM project registered in Indonesia. It includes lessons learned from the project implementation and some advices for project developers.**

### Key points in the implementation of the JCM model project

A key to a successful JCM model project is flexibility and good customer relations. Based on the long-standing relationship with our customers, we have been consulted on their needs for the replacement of chillers in their factory. Through the consultation, benefits of the JCM were well understood.
The second key point is to carry out the construction work in accordance with the planned schedule. To this end, progress management is essential throughout the implementation of the project from application for the JCM model project, delivery of the equipment, and account settlement.


**Makoto Agatsuma**
General Manager
Overseas Sales & Engineering Department
Overseas Sales Division
Ebara Refrigeration Equipment & System Co.,Ltd.

### Scope of finance and support for monitoring

This project received financing of around 50% of initial investment cost for the installation of series of equipment which contributes to $CO_2$ emission reductions including high efficiency turbo chillers and cooling towers, etc. In addition, capacity building for ensuring continued monitoring by our customers is also supported by the MOEJ. Support for the necessary travel expenses to attend meetings, inspections, etc. in this regard was also effectively utilized and helped the project implementation a lot.

### Time taken until the official approval as the JCM model project

By the time the official approval as the JCM model project, it took two weeks to prepare the proposal, more than one month for screening and corrections, and one month to prepare the application for financial delivery under the programme, which are, as a total, a little more that 3 months. It is important to note that construction shall not be started until the official approval under the programme.


Site visit by the Indonesian JCM Secretariat

| Schedule | MOEJ/secritariat | Ebara |
|---|---|---|
| Late May 2013 | Invitation of applications | |
| Middle of June 2013 | | Submit the proposal |
| Early July 2013 | Preliminary adoption | |
| Late August 2013 | | Submit the subsidy application |
| Early Sept. 2013 | Adoption of the subsidy | |
| | | Official contract with PT. Primatexco Indonesia Receive an order |
| Late Oct. 2013 | | Send chillers and cooling towers to Indonesia |
| Middle of Dec. 2013 | Intermediate site inspection | |
| | | Submit intermediate site inspection |
| Early of Feb. 2014 | Final site inspection | |
| Late of Feb. 2014 | | Start normal operation |
| | | Submit the project report |
| Late of Feb. 2014 | Subsidy payments | |

Overall schedule of the JCM model project

### Advices for JCM project developers, and the way forward

It was necessary for our company to conduct various kinds of administrative cooperation for the project to be registered as a JCM project including preparation of the Project Design Document (PDD) and the responding requirements out of validation by a third party entity. So far, we have conducted three JCM model projects, and the experience gained through the actual implementation of projects helped to reduce the burden.
We are also considering using the JCM for new installation of high efficiency chillers or replacement not only in the textile industry in Indonesia but also in other sites including shopping malls and other factories. We hope that these projects will contribute GHG emission reductions and the improvement of the global environment.

## Event Report IGES side events at Smart City Week 2014

The Institute for Global Environmental Strategies (IGES) held side events at Smart City Week 2014 in Yokohama, on 29th October 2014.
The side event “Corporate Seminar - Introducing Low Carbon Cities in Asia” introduced advanced low carbon technologies and shared advantages and ways forward for technology transfer through the JCM in Asia.
The side event “Seminar for Local Governments - Introducing Low Carbon Cities in Asia” introduced supporting activities for the planning and development of a low carbon society as well as current trends on the methods for GHG.

Side events

## Advanced low-carbon technologies introduced through the JCM Model project

### Small Scale Solar Power Plants for Commercial Facilities in Island States
### (Project by Pacific Consultants Co., Ltd.)

This JCM model project aims at installing a small-scale grid connected photovoltaic (PV) systems on the roof of commercial buildings in Palau. This system uses high-quality photovoltaic modules made in Japan that can achieve high conversion efficiency with optimized electrode width and location as well as an expanded light receiving surface. The project uses inverters customized for small-scale systems that are widely used in the country and easy to be maintained. The generated electricity is consumed on-site with the surplus amount distributed to the grid.

Western Caroline Trading Company (State of Koror, Palau)

## New Mechanisms Information Platform What’s New

The New Mechanisms Information Platform updates information on the JCM, as well as news releases from the government of Japan, and events/seminars. Relevant information such as the government support on JCM feasibility studies and JCM model projects as well as schedule and overview of the COP.
The government of Japan has launched “JCM Website” which introduces information on the implementation of the JCM including adopted rules and guidelines, methodologies, and projects etc.. The website is linked to the New Mechanisms Information Platform.


**http://www.mmechanisms.org/e/index.html**

Link → JCM HOME

**https://www.jcm.go.jp/**

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