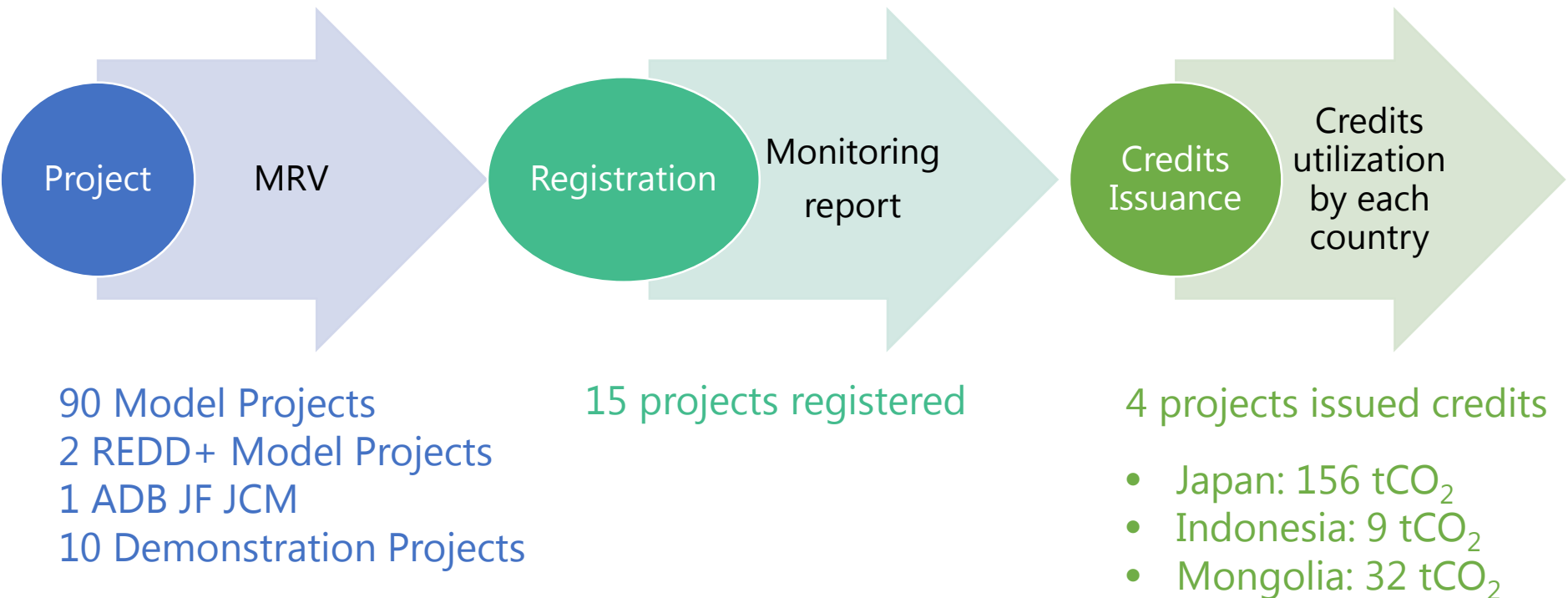


# Updates on JCM projects, financing programme, and JCM Matchmaking Platform

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Climate and Energy Area, IGES

Accelerating Private Sector Participation towards Low-Carbon Development in Indonesia -  
Workshop on the Joint Crediting Mechanism  
Jakarta, 30 November 2016

# Current status of JCM projects in the world



# Financing opportunities from the JCM

Financing programme by Ministry of the Environment, Japan:

## JCM Model Project

- Funds part of **initial investment costs (less than half)** to facilitate dissemination of low-carbon technologies.
- Covers projects that **reduce energy-related CO<sub>2</sub> emissions**.
- Includes projects in collaboration with JICA and other government-affiliated financial institute.

## JCM REDD+ Model Project

- Finances part of project cost for REDD+ projects.
- Participatory monitoring of illegal logging, disaster prevention, forest restoration, provision of alternative livelihoods.

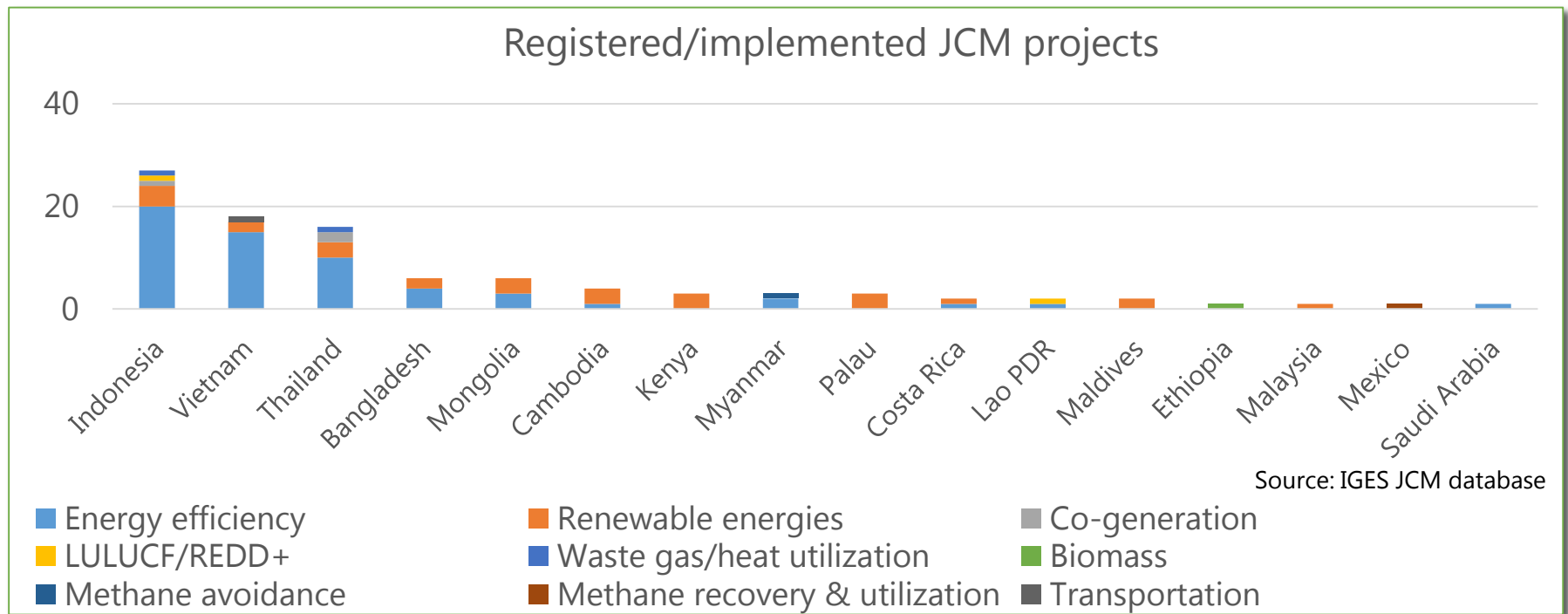
## ADB Japan Fund for JCM (JF JCM)

- Grant for incremental cost of technologies for projects under public and state-owned entities.
- Interest subsidy to ADB-financed loans for non-government projects, to private sector borrowers and financial institutions.

More info: [GEC website - JCM Model Projects Public Offering Guidelines tentative translation](http://gec.jp/jcm/kobo/mp/(tentative)Public%20Offering%20Guidelines.pdf)  
[http://gec.jp/jcm/kobo/mp/\(tentative\)Public%20Offering%20Guidelines.pdf](http://gec.jp/jcm/kobo/mp/(tentative)Public%20Offering%20Guidelines.pdf)

# Overview of financed JCM projects

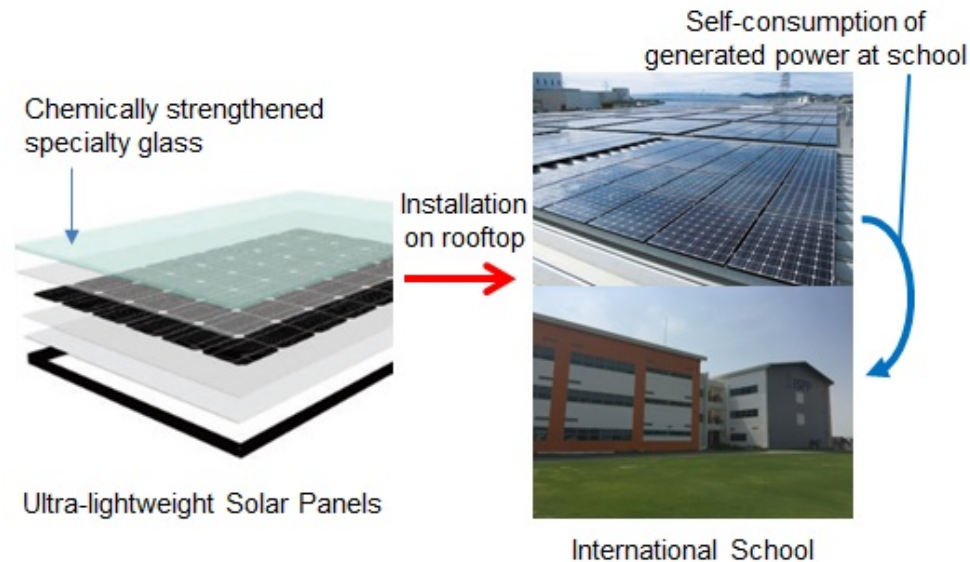
- Energy efficiency and renewable energy (solar PV) are popular.
- There are also unique projects in transportation and methane avoidance sector.



Estimated GHG ER achieved by active projects: more than 900,000 tCO<sub>2</sub>/year

# Ultra-lightweight Solar Panels for Power Generation at International School (Cambodia)

Outline of project	The objective of the project is to reduce grid electricity consumption and contribute to lower greenhouse gas emissions by introduction of the <b>200kW</b> ultra-lightweight solar power generation system on the <b>rooftop</b> and self-consumption of the generated electricity at the International School in Phnom Penh.
Expected GHG Emission Reductions	190 tCO <sub>2</sub> / year

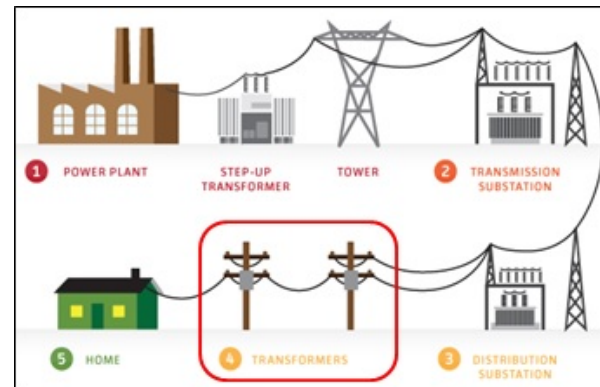


Source: [http://gec.jp/jcm/projects/15pro\\_cam\\_02.html](http://gec.jp/jcm/projects/15pro_cam_02.html)

The methodology for this project is under development.

# Amorphous High Efficiency Transformers in Southern and Central Power Grids (Vietnam)

Outline of project	The purpose of this project is to reduce CO <sub>2</sub> emission through the promotion of amorphous high efficiency transformers in southern and central power distribution systems of Vietnam. <b>4,834 transformers</b> in total are introduced to realize a <b>reduction of distribution losses</b> which contribute to CO <sub>2</sub> emission reduction.
Expected GHG Emission Reductions	4,402 tCO <sub>2</sub> / year



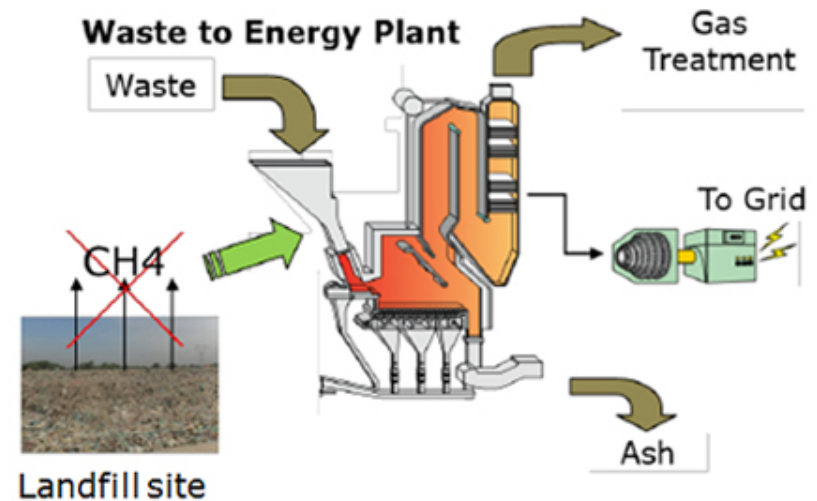
Amorphous high Efficiency transformer

“④TRANSFORMERS” in the above are the subjects of the project.

Source: [http://gec.jp/jcm/projects/15pro\\_vie\\_05.html](http://gec.jp/jcm/projects/15pro_vie_05.html)

# Waste to Energy Plant in Yangon City (Myanmar)

<p>Outline of project</p>	<p>The objective of this project is to build and operate a waste-to-energy plant that</p> <ul style="list-style-type: none"> <li>✓ <b>generates electricity</b>, some of which will be supplied to a power company, resulting in reduction of fossil fuel consumption at the power plant,</li> <li>✓ mitigates electricity shortage,</li> <li>✓ <b>reduces CH<sub>4</sub> emissions</b> from landfill disposal, and</li> <li>✓ improvement of waste management in Yangon City.</li> </ul>
<p>Expected GHG Emission Reductions</p>	<p>4,732 tCO<sub>2</sub>/ year</p>



Source: [http://gec.jp/jcm/projects/15pro\\_mya\\_01.html](http://gec.jp/jcm/projects/15pro_mya_01.html)

# Review on proposed project submitted on call for proposals for JCM Model Project

## Eligibility Review

- ✓ Eligibility of participant
- ✓ Project expected to reduce emissions
- ✓ Inadequate utilization of the technology in the partner country
- ✓ Superiority of the technology
- ✓ Project have no adverse effect on the environment or social-economic circumstances
- ✓ Project expense appropriately estimated
- ✓ Shall not receive any other financial support or grant from the Government of Japan.
- ✓ For collaboration project with JICA etc.: project contribute to the climate change mitigation in collaboration with JICA or other government-affiliated financial institution

Pass  
Review

## Assessment Review

- ✓ Robustness of the project implementation 40 points
- ✓ Amount of emission reductions of energy-related CO<sub>2</sub>, and cost-effectiveness of emission reductions 40 points
- ✓ Potential of the dissemination of the technology 10 points
- ✓ Concept for developing JCM methodology and its developing status 10 points

→ 100 points in total

**Benefits for selected project: financial support and technical support**

Guidelines for Submitting Proposals: <http://gec.jp/jcm/kobo/index.html> (Call for Proposals)



# Financial support for JCM Model Project

## from Ministry of Environment Japan

### Who is eligible for receiving the financial support?

An international consortium composed of a JCM partner-country participants and Japanese participants, represented by the **Japanese participant**.

### How much is the available budget\*?

**JCM Model Project:** approx. USD 67 million (2016-2018)

**ADB JF JCM:** approx. USD 43 million (2014-2016)

\*some financial support were already disbursed from this budget.

### How much can a project get?

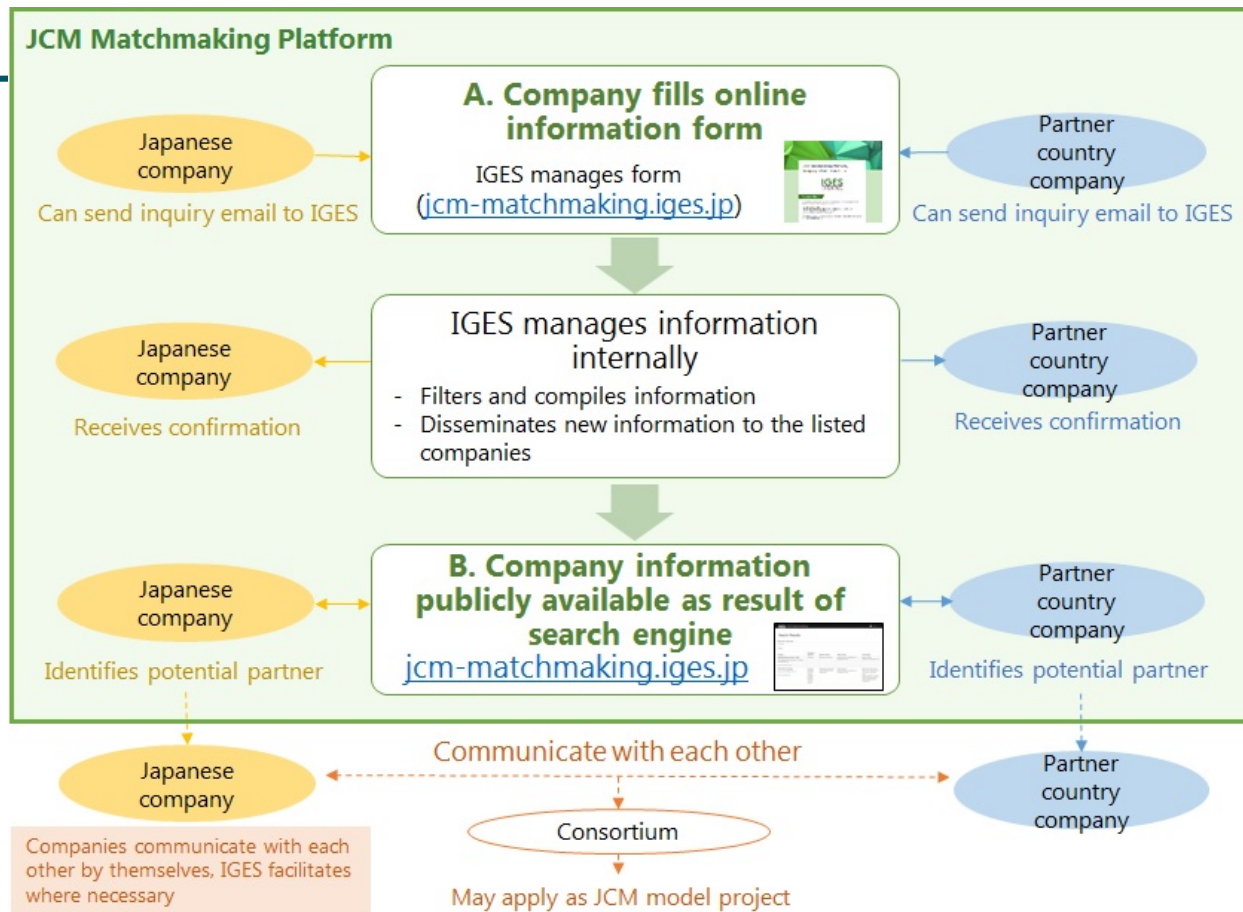
Number of already selected projects using a similar technology in each partner country	% of financial support for new project application
No project (0)	Up to 50% (determined by participants)
1-3 projects	Up to 40% (determined by participants)
More than 3 projects	Up to 30% (determined by participants)

# IGES technical support



JCM Matchmaking Platform

Aims to help companies find and contact each other to exchange project ideas and interests for JCM project development.



# JCM Matchmaking Platform: Online company information form

JCM Matchmaking Platform,  
Company Information Form

**IGES**  
Institute for Global  
Environmental Strategies

**Purpose of this form**

By submitting this form, you will allow IGES to publish the information disclosed on its website through the JCM Matchmaking Platform.

This publication allows to:

- provide more visibility to your company or organisation's interest in the JCM;
- facilitate matchmaking with potential JCM partners;
- initiate to potential JCM project development

Note that this form is for information sharing only and does not constitute an application for project or an official statement.

NEXT

Page 1 of 4

[bit.ly/JCM-Matchmaking-Platform-Online-Form](http://bit.ly/JCM-Matchmaking-Platform-Online-Form)

## Information to be submitted:

- 1. Company information** (name, location, countries of operation, etc.)
- 2. Project and technology of interest**
  - Project sector of interest
  - Technology/services/expertise you seek or offer: energy industry, energy-efficient equipment, energy distribution, transportation, biomass, biogas, waste handling and disposal, REDD+, forestry, services, etc.
- 3. Contact information**
  - Company contacts
  - Contact person name, email, phone number

- This form is for information sharing only, not official project application or statement.
- This Platform does not guarantee finding potential project partner.
- Voluntary submission of this form by companies means allowing IGES to publish the information on IGES website through the JCM Matchmaking Platform.

# JCM Matchmaking Platform: Company search engine

- Search Japanese or partner country companies.
- Search by **technology, country, company name, project sector, etc.**
- Example search: “Indonesia”

Results: 1) Listed Indonesian companies

2) Listed Japanese companies interested in doing activities in Indonesia

E-mail and phone number information, technologies the companies seek or offer, project sector of interest. Companies can contact each other directly.

Search engine: free search

The screenshot shows the IGES JCM Matchmaking search engine homepage. It features a search bar with the placeholder text "Please enter a search term:" and a "Submit" button. Below the search bar, there is a "Welcome to the JCM Matchmaking Platform" message. The page also includes a "How to search:" section with instructions on how to use the search engine and an example search term: "Indonesia".

Results page

The screenshot shows the IGES JCM Matchmaking search results page. It displays a table of search results for the query "cambodia". The table has five columns: Company, Countries of Operation, Business Sectors, Project Sectors, and Technologies. Two results are shown: Battambang Agro Industry Co. (BAI) and IGES Climate and Energy Ayakar Amelina.

Company	Countries of Operation	Business Sectors	Project Sectors	Technologies
<b>Battambang Agro Industry Co. (BAI)</b> Ms. Allophean Kimolonnasade, Mr. Chheang Kimgeoch <a href="#">Email</a> <a href="http://www.bai-4h.com/">http://www.bai-4h.com/</a>	Cambodia	Agriculture and forestry	Energy industries (renewable-non renewable sources)	Biogas, cassava Solar power, photovoltaic (PV)
<b>IGES Climate and Energy Ayakar Amelina</b> <a href="#">Email</a> , <a href="#">Call</a> <a href="http://www.iges.or.jp">http://www.iges.or.jp</a>	Cambodia Bangladesh Indonesia Thailand Philippines Mongolia Myanmar Laos PDR Vietnam	Methodology development Project development and management	Energy efficiency Energy industries (renewable-non renewable sources)	Boiler, heat recovery boiler Solar power, photovoltaic (PV) Hydro power, small hydro power Catalytic absorption, centrifugal Methodology development Project development and management

- Whilst information provided by this search engine is believed to be true and accurate at the date of going to press, IGES cannot accept any legal responsibility or liability for any errors or omissions that may have been made.
- For any query related to the companies, please contact the companies directly.
- For any query related to this search engine, please contact IGES.

# JCM Matchmaking Platform: Demonstration

Home

Submit Company Information

## Welcome to the JCM Matchmaking Platform

Please enter a search term:

Submit

The JCM Matchmaking Company Search Engine is designed to assist companies in getting in touch with each other and sharing information on the technology, services, and project activity they seek or offer, as well as contact information.

The information of companies resulting from this search engine will be limited to those companies that have provided consent for their information to be published through this Platform. The companies should have some familiarity with the JCM scheme obtained through various means.

Please make direct contact with the company of your interest to obtain further details, or contact [jcm-matchmaking@iges.or.jp](mailto:jcm-matchmaking@iges.or.jp) if you need further assistance.

### How to search:

You can search for company by the information they submitted, e.g. the **technology they seek or offer, project sector of interest, country of operation, company name, etc.** The result will include contact persons and contact information provided by the companies.

#### Example 1: search by the technology or service which companies seek or offer

Please enter a search term: boiler

Results will include: All companies listed in the JCM Matchmaking Platform database, located in Japan or JCM partner countries, which listed boiler as one of the technologies/services they seek or offer. The result may show include all types of boiler, as indicated by companies.

Examples of other technology: solar PV, chiller, co-generation, biogas, etc.

Examples of services: Project development and management, methodology development, financial services, etc.

<http://jcm-matchmaking.iges.jp/>

# For further information

**Official JCM Webpage:** rules and guidelines, JCM methodology, projects

<https://www.jcm.go.jp/>



**GEC website:** call for proposals, financial and project development, feasibility study, JCM booklet

<http://gec.jp/jcm/index.html>



**New Mechanisms Information Platform:** recent development of the

<http://www.mmechanisms.org/e/>



**IGES JCM Database:** details of methodologies, projects, feasibility studies

<http://bit.ly/igesjcmdbase>

Project Number	Name	Progress	Origin	Year	Project/Feasibility Study Number	Project/Feasibility Study Title	Size of Project	Implementation Status
0001	Use of Solar for Air Conditioning and Power Supply for a Commercial High-rise Office Building	Completed	USA	2008/09	01-Feasibility Study	United States of America, California, San Diego, CA, USA	Approx. 100,000 sqm	Partial
0002	Project of Hydroelectric Power Generation in the Province of Phongsavan	Completed	USA	2008/09	01-Feasibility Study	Laos, Phongsavan Province	Approx. 100,000 sqm	Partial
0003	Project of Hydroelectric Power Generation in the Province of Phongsavan	Completed	USA	2008/09	01-Feasibility Study	Laos, Phongsavan Province	Approx. 100,000 sqm	Partial
0004	Installation of High Efficiency Heat Exchangers in the Industrial Park of Phongsavan	Completed	USA	2008/09	01-Feasibility Study	Laos, Phongsavan Province	Approx. 100,000 sqm	Completed
0005	Construction of a Small-scale Hydroelectric Power Generation Project in the Province of Phongsavan	Completed	USA	2008/09	01-Feasibility Study	Laos, Phongsavan Province	Approx. 100,000 sqm	Completed