



Japan-Mexico Training Program for the Strategic Global Partnership

General information on Energy Efficiency System and Technology in Japanese Process Industry

(日本のプロセス産業における省エネ制度と省エネ技術)

JFY 2025

Course No.: 202413392J008 Course Period in Japan:

From January 25th, 2026 to February 7th, 2026

This information pertains to one of the JICA Knowledge Co-Creation Programs (Group & Region Focus) of the Japan International Cooperation Agency (JICA) implemented as part of the Official Development Assistance of the Government of Japan based on bilateral agreement between both Governments.

JICA Knowledge Co-Creation Program (KCCP)

The Japanese Cabinet released the Development Cooperation Charter in February 2015, which stated, *“In its development cooperation, Japan has maintained the spirit of jointly creating things that suit partner countries while respecting ownership, intentions and intrinsic characteristics of the country concerned based on a field-oriented approach through dialogue and collaboration. It has also maintained the approach of building reciprocal relationships with developing countries in which both sides learn from each other and grow and develop together.”* JICA believes that this ‘Knowledge Co-Creation Program’ will serve as a foundation of mutual learning process.

I. Concept

Background

In 1971, the Japan-Mexico Exchange Program has started, which mutually accepts students and young engineers from Mexico and Japan; in February 2010, based on the “Japan-Mexico Joint Statement Strategic Global Partnership in the 21st Century¹”, the Exchange Program was renewed into the Japan-Mexico Training Program for the Strategic Global Partnership. This program contains long-term courses (between three months and twelve months period) that has existed before and short-term courses (less than three months period) are newly established since then. Currently, JICA accepts 50 Mexicans trainees annually under this scheme.

This training program aims to develop Mexican human resources, through the implementation of training program based on the Japan-Mexico Joint Statement, thereby contributing to reinforcement of the Mexico-Japan Strategic Global Partnership.

For what?

The course aims to contribute to climate change mitigation through the presentation of energy efficiency technologies and solutions applied in Japan, particularly in process industries and some other scenes where electricity consumption or CO2 emission is extremely high.

For whom?

The course is aimed at employees and officials who work in state or parastatal process industry companies such as PEMEX, and/or government entities supervising the practices of energy efficiency activities such as the National Agency for Industrial Safety and Environmental Protection of the Hydrocarbons Sector (ASEA) and the National Commission for the Efficient Use of Energy (CONUEE), among others.

How?

The course was originally designed to be face-to-face, including visits to industrial companies where energy efficiency techniques are being applied. However, due to the sanitary measures required by the Japanese government, it was redesigned to be carried out virtually, offering a space for group discussion, lectures and self-learning.

¹ https://www.mofa.go.jp/announce/announce/2011/2/PDF/0222_02_01.pdf

II. Description

1. Title (Course No.)

Energy Efficiency System and Technology in Japanese Progress Industry
(202413392J008)

2. Course Duration in Japan

January 25th, to February 7th, 2026

(Technical Training Period: From January 26th to February 6th, 2026: about 2weeks)

January 25th, 2026: Arrival in Japan

January 26th to February 6th, 2026: Technical Training Program (at ADAPTEX)

February 7th, 2026: Departure from Japan

3. Target Regions or Countries

Mexico

4. Eligible / Target Organization

Applicants must have work experience in the area of industrial processes related to energy efficiency basic knowledge of design theory and presentation techniques such as sketching, modeling and rendering.

5. Capacity (Upper Limit of Participants)

Three (3) participants

6. Language

Spanish

7. Objective(s)

The purpose of this course is to improve energy efficiency practices through the application of technologies that enable the use of energy efficiency in industrial processes.

8. Overall Goal

The objective of the course is to promote the perspective for the implementation of energy efficiency technology, knowing the policies, culture, efforts of the private sector for compliance with energy efficiency regulations in the process industry such as refinery, petrochemical, cement, etc.

9. Output and Contents

Topic: Energy Efficiency and Japanese technology in the process industry.

- a) Basic knowledge about energy efficiency in the process industry in Japan.
- b) Keys to the implementation of energy efficiency measures.
- c) Energy efficiency technology in the process industry.
- d) Energy efficiency policies in Japan.

The expected outcome of the course is to promote understanding of energy efficiency policies and measures implemented in industries in Japan.

III. Eligibility and Procedures

1. Requirements for Candidates:

Applicant organizations must select candidates who meet the following requirements:

- (1) 2 years of work experience in the field corresponding to the course content.
- (2) Managers who can make decisions are encouraged to apply, but technical personnel are also acceptable.
- (3) University graduates in engineering or related fields.
- (4) Be a federal, state, or parastatal government official involved in the use of energy efficiency.

Recommended Qualifications

- (1) Language Proficiency: have a competent command of listening English (Some lecturer may have a lecture in English)

JICA promotes gender equity. Women are strongly encouraged to apply for this training program.

2. Required Documents for Application

- (1) **Application Form:** The Application Form is available at **the JICA Mexico office**

* If you have any difficulties/disabilities which require assistance, please specify necessary assistance in the QUESTIONNAIRE ON MEDICAL STATUS RESTRICTION (1-(c)) of the application form. Information will be reviewed and used for reasonable accommodation.

- (2) **Photocopy of Passport:** You should submit it with the application form if you possess your passport which you will carry when entering Japan for this program. If not, you are requested to submit its photocopy as soon as you obtain it.

*The following information should be included in the photocopy:

Name, Date of Birth, Nationality, Sex, Passport Number and Expiry Date

3. Procedures for Application and Selection

- (1) **Submission of the Application Documents**

Closing date for applications: **December 4th, 2025**

- (2) **Selection**

After receiving the documents through the official channels of the relevant government, the JICA Mexico office (or the Embassy of Japan) will conduct the review, and then forward the documents to the JICA Center in Japan. The selection will be made by the JICA Center in consultation with the relevant organizations in Japan. The applicant organization with the best intentions to utilize the opportunity of this program will be highly valued in the selection. The

qualifications of applicants belonging to the military or other military-related organizations and/or applicants enlisted in the military will be reviewed by the Government of Japan on a case-by-case basis in accordance with the Japan Development Cooperation Charter, taking into full consideration their duties, positions in the organization and any other relevant information.

(3) Notice of Acceptance

The JICA Mexico office (or the Embassy of Japan) will notify the results no later than **December 15, 2025**.

4. Additional Document(s) to Be Submitted by Accepted Candidates

(1) Inception Report -- to be submitted by January 9th, 2026

Prior to the start of the training course, only accepted candidates will be asked to prepare an initial report.

The Inception Report should be sent to JICA Chugoku by January 9th, 2026, preferably by e-mail to cicctp@jica.go.jp

(2) Medical Questionnaire

A health questionnaire (Forms) will be emailed to you two weeks prior to your arrival in Japan to confirm your health status immediately prior to your arrival in Japan.

We will review your answers and may ask you additional questions about your health or send you information to help you manage your health.

Response deadline: 19/January/2026 (1 week before your arrival in Japan)

5. Conditions for Participation

The participants of KCCP are required

- (1)** to strictly observe the course schedule,
- (2)** not to change the theme of program
- (3)** not to change the air ticket (and flight class and flight schedule arranged by JICA) and lodging by the participants themselves,
- (4)** to understand that leaving Japan during the course period (to return to home country, etc.) is not allowed,
- (5)** not to bring or invite any family members,
- (6)** to carry out such instructions and abide by such conditions as may be stipulated by both the nominating Government and the Japanese Government in respect of the course,
- (7)** to observe the rules and regulations of the program implementing partners to provide the program or establishments,
- (8)** not to engage in political activities, or any form of employment for profit,
- (9)** to discontinue the program, should the participants violate the Japanese laws or JICA's regulations, or the participants commit illegal or immoral conduct, or get critical illness or serious injury and be considered unable to continue the course.

The participants shall be responsible for paying any cost for treatment of the said health conditions except for the medical care stipulated in (3) of “5. Expenses”, “IV. Administrative Arrangements”,

- (10)** Not to record audio, video, or broadcasting without permission.
- (11)** In case of using the texts or other materials distributed, respect the conditions of use regarding the copyright of each one.
- (12)** to return the total amount or a part of the expenditure for the KCCP depending on the severity of such violation, should the participants violate the laws and ordinances,
- (13)** not to drive a car or motorbike, regardless of an international driving license possessed,
- (14)** to observe the rules and regulations at the place of the participants' accommodation,
- (15)** to refund allowances or other benefits paid by JICA in the case of a change in schedule, and
- (16)** In case of natural disaster or any possible contingency that makes unfeasible to conduct this course in Japan, it could be offered remotely (on-line) .

IV. Administrative Arrangements

1. Organizer (JICA Center in Japan)

(1) JICA Chugoku Center

(2) Program Officer: Ms. Yukari HIRATA (cicttp@jica.go.jp)

Dirección: 3-3-1 Kagamiyama, Higashihiroshima, Hiroshima, 739-0046, Japan

TEL: +81-82-421-5800 FAX: +81-82-420-8082

URL: <https://www.jica.go.jp/domestic/chugoku/index.html>

2. Implementing Partner

(1) Name: ADAPTEX

3. **URL:** <http://adaptex.co.jp/index.php>

4. Travel to Japan

(1) Air Ticket: In principle, JICA will arrange an economy-class round-trip ticket between an international airport designated by JICA and Japan.

(2) Travel Insurance: Coverage is from time of arrival up to departure in Japan. Thus traveling time outside Japan (include damaged baggage during the arrival flight to Japan) will not be covered.

5. Accommodation in Japan

Basically, JICA will arrange the hotel for the participants in Japan.

6. Expenses

The following expenses in Japan will be provided by JICA

(1) Allowances for meals, living expenses, and stopover.

(2) Expenses for study tours (basically in the form of train tickets).

(3) Expenses for program implementation, including materials.

For more details, please see “III. ALLOWANCES” of the brochure for participants titled “KENSU-IN GUIDE BOOK,” which will be given before departure for Japan.

*Link to JICA HP (English/French/Spanish/Russian):

https://www.jica.go.jp/english/activities/schemes/tech_pro/acceptance_training/_icsFiles/afieldfile/2025/03/21/2025_pc_es.pdf

For Your Reference

JICA and Capacity Development

Technical cooperation is people-to-people cooperation that supports partner countries in enhancing their comprehensive capacities to address development challenges by their own efforts. Instead of applying Japanese technology per se to partner countries, JICA's technical cooperation provides solutions that best fit their needs by working with people living there. In the process, consideration is given to factors such as their regional characteristics, historical background, and languages. JICA does not limit its technical cooperation to human resources development; it offers multi-tiered assistance that also involves organizational strengthening, policy formulation, and institution building.

Implementation methods of JICA's technical cooperation can be divided into two approaches. One is overseas cooperation by dispatching experts and volunteers in various development sectors to partner countries; the other is domestic cooperation by inviting participants from developing countries to Japan. The latter method is the Knowledge Co-Creation Program, formerly called Training Program, and it is one of the core programs carried out in Japan. By inviting officials from partner countries and with cooperation from domestic partners, the Knowledge Co-Creation Program provides technical knowledge and practical solutions for development issues in participating countries.

The Knowledge Co-Creation Program (Group & Region Focus) has long occupied an important place in JICA operations. About 400 pre-organized courses cover a wide range of professional fields, ranging from education, health, infrastructure, energy, trade and finance, to agriculture, rural development, gender mainstreaming, and environmental protection. A variety of programs is being customized by the different target organizations to address the specific needs, such as policy-making organizations, service provision organizations, as well as research and academic institutions. Some programs are organized to target a certain group of countries with similar developmental challenges.

Japanese Development Experience

Japan, as the first non-Western nation to become a developed country, built itself into a country that is free, peaceful, prosperous and democratic while preserving its tradition. Japan will serve as one of the best examples for our partner countries to follow in their own development.

From engineering technology to production management methods, most of the know-how that has enabled Japan to become what it is today has emanated from a process of adoption and adaptation, of course, has been accompanied by countless failures and errors behind the success stories.

Through Japan's progressive adaptation and application of systems, methods and technologies from the West in a way that is suited to its own circumstances, Japan has

developed a storehouse of knowledge not found elsewhere from unique systems of organization, administration and personnel management to such social systems as the livelihood improvement approach and governmental organization. It is not easy to apply such experiences to other countries where the circumstances differ, but the experiences can provide ideas and clues useful when devising measures to solve problems.

JICA, therefore, would like to invite as many leaders of partner countries as possible to come and visit us, to mingle with the Japanese people, and witness the advantages as well as the disadvantages of Japanese systems, so that integration of their findings might help them reach their developmental objectives.



Contact Information for Inquiries

For inquiries and further information, please contact the JICA overseas office.

Further, address correspondence to:

JICA Chugoku Center (JICA CHUGOKU)

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