



# -The Program on energy conservation activities in the production site for Indonesia - -Operational Improvement and Facility Improvement-

Organized by

**The Association for Overseas Technical Cooperation and Sustainable Partnerships (AOTS)**

The Association for Overseas Technical Cooperation and Sustainable Partnerships (AOTS) is an organization for human resources development mainly in overseas countries to promote technical cooperation through training, experts dispatch and other programs.

## OUTLINE

The Program on energy conservation promotion activities in the production site (TRID01) is one of the overseas training programs which is conducted by AOTS with the subsidy of Japanese Government under the scheme of the Carbon Reduction Technology Promotion Program by the Ministry of Economy, Trade and Industry.

This project aims to contribute to the reduction of greenhouse gas emissions by promoting the overseas deployment of Japanese energy conservation technologies and improving the efficiency of energy use in the industrial sector through the development of local human resources in manufacturing companies in emerging countries and so on.

The purpose of this webinar is to promote the business development of Japanese SMEs and medium-sized companies in Indonesia by supporting them to realize energy conservation at their production sites through the training of the employees of affiliated companies of Japanese companies, who are executives, factory managers, production site managers, experts, etc. and in a position to develop energy conservation activities at production. The participants will learn how to improve the operation and performance of production facilities and equipment, as well as specific methods to achieve energy conservation at the production sites of their companies.

\*Please refer to page 2 and 3 for details of participation requirements.

## OBJECTIVES

- (1) To learn about operational improvements of facilities, performance improvement and renewal of facilities, and power reduction methods practiced by Japanese manufacturing companies for the purpose of the reduction of CO<sub>2</sub> emissions through energy conservation (power reduction) at production sites.
- (2) To learn about visualization of power consumption using measurement data, management of reduction targets and its promotion system, and case studies of energy conservation improvements practiced by Japanese companies.
- (3) To apply what they have learned in this program, participants will survey the energy usage status in their own companies using “energy conservation efforts checklists”, etc., and will formulate action plans for promoting energy conservation activities at their own production sites, make a final presentation, and receive feedback from the lecturers to put the plans into practice after this webinar.

## DATE AND TIME

\*Please refer to P.4 for the detailed schedule.

\*Participants are required to attend at all 4 webinars.

**\*All 4 webinars will be held between 9:00AM-12:00PM (in Indonesia).**

DAY 1: Monday 14th February 2022

DAY 2: Thursday 17th February 2022

DAY 3: Monday 21st February 2022

DAY 4: Thursday 24th February 2022

## TARGET COUNTRY AND NUMBER OF PARTICIPANTS

Indonesia / 25 participants

## Requirements of applicant companies, companies belonging to participants, and participants

\* This webinar requires an application and participation fee to be paid by a corporation in Japan. Please note that overseas local company cannot apply directly to AOTS.

**All of the following requirements for participation should be satisfied.**

- (1) The applicant company (a corporation in Japan) and the local company to which the participant belongs (a corporation in Indonesia) should be a company in the automobile, industrial machinery, and electrical machinery fields (three industries: refer to (\*1) below) or a companies supplying to the companies in three industries.
- (2) The applicant company should be a Japanese SME or medium-sized company (refer to (\*2) below).
- (3) The company to which the participant belongs should have a capital relationship, business relationship, or technical cooperation agreement with the applicant company.
- (4) Participants should have jurisdiction over or be in charge of products in the three industries or production lines of parts for products in the three industries.
- (5) Participants should be executives, factory managers, production managers, or specialists (engineers in charge of manufacturing process management or energy management, etc.) who are in a position to promote the action plan for energy conservation formulated in this training in the production site.

**(\*1) The three industries:**

- (1) **Automobile field** (automobiles, automobile parts, etc.) (2) **Industrial machinery field** (machine tools, machinery for production and business use, etc.) (3) **Electric machine field** (heavy electrical machinery, electronics and information communication equipment, precision equipment, home appliances, etc.)
- (\*2) **"Medium-sized companies"** are companies other than "small and medium-sized companies" with capital of less than 1 billion yen. "Small and medium-sized companies" are companies as defined in the Small and Medium-sized Enterprise Basic Act.  
However, companies that fall into any of the following (1) or (2) are not eligible and cannot apply for this program.
  - (1) **Small and medium-sized companies** in which 100% of the shares are directly or indirectly held by corporations with capital or investments of 500 million yen or more, and medium-sized companies in which 100% of the shares are directly or indirectly held by corporations with capital or investments of 1 billion yen or more.
  - (2) **Small and medium-sized enterprises (SMEs) and medium-sized enterprises (MSEs)** whose annual average taxable income confirmed (declared) at the time of submission of the training application for the last three years or last three fiscal years exceeds 1.5 billion yen.

### [Basic Requirements for Participants]

In order to participate in the webinar, the following conditions must be satisfied, in addition to the above requirements specified for this program.

- a) Participants should live and work in Indonesia. Japanese is NOT applicable.
- b) Participants should belong to corporation.
- c) Participants should be 20 years old and over.
- d) Participants should have enough Indonesian language ability so as to be able to understand the program content and to have discussion as well as to make a presentation and write a

report.

e) Participants should not be armed forces personnel.

\* If you check the following **participation requirements check list** before applying for this webinar, application procedure would proceed smoothly.

|          | <b>Participation Requirements List</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>Yes</b>               |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>1</b> | Our company (the applicant) is a legal entity in Japan that will apply for the webinar and pay the participation fee.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <input type="checkbox"/> |
| <b>2</b> | Our company has a capital relationship or business relationship, or technical cooperation agreement with the local company to which the participant belongs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <input type="checkbox"/> |
| <b>3</b> | Our company is a small or medium-sized company, and do not fall into the following categories: (1) nor (2).<br>* Large sized companies are not eligible to apply.<br>(1) <b>Small and medium-sized companies</b> in which 100% of the shares are directly or indirectly held by corporations with capital or investments of 500 million yen or more, and medium-sized companies in which 100% of the shares are directly or indirectly held by corporations with capital or investments of 1 billion yen or more.<br>(2) <b>Small and medium-sized enterprises (SMEs) and medium-sized enterprises (MSEs)</b> whose annual average taxable income confirmed (declared) at the time of submission of the training application for the last three years or last three fiscal years exceeds 1.5 billion yen. | <input type="checkbox"/> |
| <b>4</b> | Our company and the local company belong to one of the three industries listed below (*1), or our company and the local company are supplier of one of the three industries.<br><br><b>(*1) The three industries:</b><br>(1) <b>Automobile field</b> (automobiles, automobile parts, etc.) (2) <b>Industrial machinery field</b> (machine tools, machinery for production and business use, etc.) (3) <b>Electric machine field</b> (heavy electrical machinery, electronics and information communication equipment, precision equipment, home appliances, etc.)                                                                                                                                                                                                                                         | <input type="checkbox"/> |
| <b>5</b> | Participants live and work in the country where the local company is located and belong to the local company.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <input type="checkbox"/> |
| <b>6</b> | Participants are in a position as described below (*2) to promote the action plans for energy conservation in their production sites.<br><br>(*2) Participants are executives, factory managers, production managers, or specialists (engineers in charge of manufacturing process management or energy management, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <input type="checkbox"/> |
| <b>7</b> | Our company, the company to which the participant belongs, and the participants have agreed to "AOTS policy about the handling of personal information".<br><br>AOTS Policy about the handling of personal information:<br><a href="https://www.aots.jp/jp/policy/privacy.html">https://www.aots.jp/jp/policy/privacy.html</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <input type="checkbox"/> |
| <b>8</b> | Our company, the company to which the participant belongs, and the participants will cooperate with the AOTS survey on the effectiveness of the training, etc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <input type="checkbox"/> |

## SCHEDULE

| Date and Time                                                                                                                        | Contents                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Lecturers                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| <p><b>【DAY-1】</b><br/> <b>Mon.</b><br/> <b>14 FEB.</b></p> <p><b>9:00AM</b><br/> <b>-12:00PM</b><br/>           (Indonesia Time)</p> | <p><b>&lt;Pre-assignment&gt;</b><br/>           Create an “energy conservation efforts checklists” of own company</p> <p><b>&lt;Lecture&gt;</b><br/>           (1) Current situation in the world - Background of global warming<br/>           (2) Concept of energy conservation activities</p> <ul style="list-style-type: none"> <li>● Energy conservation activities promoted in factories and offices of companies and their effects</li> <li>● Roles of management and managers in energy conservation activities</li> </ul> <p>(3) Feedback on the created “energy conservation efforts checklists”</p> <p><b>&lt;Assignment&gt;</b><br/>           Complete “energy conservation efforts checklists”, reflecting the feedback from DAY-1.</p>                                                                                                                                                                                  | <p><b>Yoshiaki</b><br/> <b>UDA</b></p>                                                     |
| <p><b>【DAY-2】</b><br/> <b>Thu.</b><br/> <b>17 FEB.</b></p> <p><b>9:00AM</b><br/> <b>-12:00PM</b><br/>           (Indonesia Time)</p> | <p><b>&lt;Lecture&gt;</b><br/>           (1) Methods for promoting energy conservation activities (1)</p> <ul style="list-style-type: none"> <li>● Steps for energy conservation promotion</li> <li>● Visualization of energy</li> <li>● Points of focus for energy conservation</li> <li>● Establish continuous improvement in the organization</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <p><b>Yoshiaki</b><br/> <b>UDA</b></p>                                                     |
| <p><b>【DAY-3】</b><br/> <b>Mon.</b><br/> <b>21 FEB.</b></p> <p><b>9:00AM</b><br/> <b>-12:00PM</b><br/>           (Indonesia Time)</p> | <p><b>&lt;Lecture&gt;</b> (9:00-10:00)<br/>           (1) Methods for promoting energy conservation activities (2) (continued)</p> <ul style="list-style-type: none"> <li>● Case study of energy conservation activities in Japanese manufacturing companies</li> </ul> <p><b>&lt;Lecture by corporate management&gt;</b> (10:00-11:00)<br/>           (2) Case study of energy conservation activities in Japanese manufacturing companies</p> <p><b>&lt;Exercises&gt;</b> (11:00-12:00)<br/>           (3) Guidance for developing energy conservation action plans</p> <ul style="list-style-type: none"> <li>● Conduct a survey for each company and create a list of equipment and facilities and energy usage survey format to formulate action plans for promoting energy conservation activities</li> </ul> <p><b>&lt;Assignment&gt;</b><br/>           Formulate action plans for promoting energy conservation activities</p> | <p><b>Nobuhisa</b><br/> <b>NAKATA</b></p>                                                  |
| <p><b>【DAY-4】</b><br/> <b>Thu.</b><br/> <b>24 FEB.</b></p> <p><b>9:00AM</b><br/> <b>-12:00PM</b><br/>           (Indonesia Time)</p> | <p><b>&lt;Exercises&gt;</b><br/>           (1) Individual company presentations and feedback</p> <ul style="list-style-type: none"> <li>● Each company will be divided into two groups, and each</li> <li>● Company will present own energy conservation action plan, which is the assignment for DAY-3.</li> <li>● Receive feedback on the action plans from lecturers and other participants, and complete the plan</li> </ul> <p>(2) Summary</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <p>①<b>Yoshiaki</b><br/> <b>UDA</b><br/>           ②<b>Nobuhisa</b><br/> <b>NAKATA</b></p> |

## LECTURERS



**Mr. Yoshiaki UDA**

**Consultant, Uda Environmental Management Research Institute**

After engaged in production engineering at a food company for 30 years, he established the Uda Environmental Management Research Institute, a SMEs diagnostician office, and has been providing environmental management support and quality control guidance to SMEs. Since then, he has been providing environmental management support guidance to more than 200 SMEs nationwide in introducing the Eco Action 21\* environmental management system.

In 2020, the Japanese government awarded him the Low Carbon Society Contribution Award (Director-General's Award for Environmental Policy, Ministry of the Environment), and in 2021, presented the Minister of the Environment's Award for Commendation for distinguished service in Global Environmental Conservation.

\*Eco Action 21: Japan's unique environmental management system formulated by the Japanese government (Ministry of the Environment).



**Mr. Nobuhisa NAKATA**

**Consultant, Uda Environmental Management Research Institute**

**Vice President, Osaka Environmental Counselors Association (NPO)**

After engaged in equipment management at an electrical appliances manufacturer for about 10 years, Mr. Nakata started working for companies' energy saving activities through dissemination of Eco Action 21. Currently a member of the extension committee of the secretariat of Eco Action 21 Osaka. He also He chaired the "Energy Saving Handbook" published by Eco Action 21.

## LANGUAGE

The webinar will be conducted **in Indonesian**. The lecture materials will be prepared **in Indonesian**.

## ONLINE TOOL

### Zoom Meeting

\*When selected as a participant, you will receive an invitation email from AOTS. Please follow the instructions in the invitation email to register for the webinar.

\*After registration, a registrant will receive another email including the button to participate in the webinar. On the day of the webinar, just click this button.

\*Invitation emails will be sent to all the approved participants. If you do not receive an email, please contact AOTS.

## PARTICIPATION FEE

**11,000JPY / per person**

\*This webinar will be implemented with the subsidy from Japanese Government (the Ministry of Economy, Trade and Industry).

## HOW TO APPLY/ INQUIRY

\*Applications must be made through a corporation in Japan (such as parent company). Please note that overseas local company cannot apply directly to AOTS.

\*Please send an attached application form by e-mail to the person in charge below by the deadline.

**The Association for Overseas Technical Cooperation and Sustainable Partnerships**

Overseas Cooperation Group

Coordinator: Hitomi YOSHIDA (Ms.) / FURUYA (Mr.) Available in Japanese and English

Tel : 03-3888-8256

Fax : 03-3888-8242

E-mail: [aotswebinar-teitan@aots.jp](mailto:aotswebinar-teitan@aots.jp)

\*After the deadline, AOTS will screen the applicants and select the participants, to the selected participants, participation information and the participation fee INVOICE (PDF) will be sent by e-mail. Please pay the participation fee to the designated account listed on INVOICE by the designated date.

\*Please note that if you do not pay the participation fee by the first day of the webinar dated 14th February, your participation may be canceled.

**APPLICATION DEADLINE**

**Mon. 31st January, 2022**

\*After the deadline, the AOTS Overseas Cooperation Group will contact the applicant company in Japan by e-mail to confirm whether or not the applicant can participate.

**NOTES**

\*AOTS certificate (PDF) will be awarded to those who participated in more than two thirds of total training time.

\*Group viewing, where multiple people share a single PC, is allowed.

\*Personally identifiable information provided by the participant will not be used for any purpose other than conducting the webinar without the consent of the participants.

\*Participants shall not reproduce, distribute, or alternate the distributed lecture materials or film the webinar without prior permission from AOTS. Participants are asked to make a pledge not to commit any violation.

\*Do not transfer the meeting information (meeting link/number/password) given to the participants to anyone other than the participants without permission.

\*In the event of an unavoidable accident (war, riot, labor dispute, earthquake, storm, fire, flood, epidemic, etc.) or network / equipment trouble, AOTS may cancel the implementation of the webinar.

\*AOTS will not be held responsible if it becomes difficult for participants to participate in or continue to participate in the webinar due to an unavoidable accident or network/equipment trouble.