**Objective/Outcome**
The participants understand Japanese advanced technology of high efficiency thermal power generation, such as USC, GTCC or IGCC Technology. They will be able to plan to promote those technology in their countries.

1. To understand technology of USC, GTCC and IGCC
2. To understand the facilities for high efficiency thermal power generation and environmental measures
3. To understand the necessary skill and cost on the installation, operation and maintenance of those high efficiency thermal plant.
4. To formulate action plan by applying knowledge gained by the training course.

**Contents**
1. Job report presentation
2. Lectures & site visits: high efficient coal and gas fired thermal power generation, IGCC technology
3. Lectures & site visits: manufacturer of high efficiency gas turbine and gas boiler. Lectures on installation, operation and maintenance
4. Lectures & site visits: Status of energy sector in participants’ countries and problems for coal fired thermal power generation and high efficient standardization.
5. Group discussions
6. Preparation and presentation of action plan

**Target Organization / Group**

<table>
<thead>
<tr>
<th>Objective/Outcome</th>
<th>Target Organization / Group</th>
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<td>The participants understand Japanese advanced technology of high efficiency thermal power generation, such as USC, GTCC or IGCC Technology. They will be able to plan to promote those technology in their countries.</td>
<td>Governmental ministries/agencies in charge of power and energy policy planning and implementation or generation development.</td>
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</table>
| 1. To understand technology of USC, GTCC and IGCC  
2. To understand the facilities for high efficiency thermal power generation and environmental measures  
3. To understand the necessary skill and cost on the installation, operation and maintenance of those high efficiency thermal plant.  
4. To formulate action plan by applying knowledge gained by the training course. | Target Group] Managerial official or equivalent. Bachelor or equivalent. Fluent in English. |

**Outline**
The course introduces Japanese advanced technology of high efficiency thermal power generation, such as ultra supercritical coal-fired power generation (USC) technology, gas turbine combined cycle power generation (GTCC) or Integrated Gasification Combined Cycle (IGCC) Technology. It also focuses on the environmental measures. Participants will be advised on how they can promote those technology in their countries.