Creating Training and Technical Development Center
YOU AND THE IWA: AGENTS OF CHANGE

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- To the Future
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Background of Establishment

- Passing down technical capabilities in the bureau to next generation
- Improving abilities of staff, and promoting R & D that directly corresponding to our diversifying needs
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Characteristics

- The center was opened in April 2005 as one of the largest waterworks training facilities in Japan
- The center feature a training environment which imitates actual sites as much as possible

Piping practice facility for large bore pipe

Electrical equipment maintenance practice facility
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Practical Training Facilities

- Water examination room
- Electrical training room
- Piping practice facility (small-diameter piping)
- Water purification training miniaturized plant
- Mechanical training room
- Training Field
Using technical practice training facilities as follows,
- Electrical training room,
- Mechanical training room,
- Piping practice facility,
- Training field,
- Miniaturized water purification plant.

Practical Training
(Technical)
55 courses a year
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Knowledge Bank System

- A database of information, the knowhow and implicit knowledge in the bureau.
- The staff member can refer to the information by each own PC

Excavation with tunneling machine
Transportation of parts

The supporting structure can get in the way, so the tunneling machine is split into two and transported to the starting shaft.

2-5 Joint mixture (putty) for water pipes and freezer vessels

The joint mixture used is putty (JIS A-5758 glass putty for metallic fittings). Putty does not expand or contract much upon freezing, retains its water-tightness, is easy to work with, and is inexpensive.

2-6 Crimping tool

Crimping tools press down on lead, PVC or stainless steel pipes using a hydraulic jack to stop the water flow.
Technical Experts

Certification standards

① Outstanding knowledge or experience with technologies
② Much work experience
③ Enthusiastic about training and instruction for young staff members.
④ Proactive and passionate about own work.

<table>
<thead>
<tr>
<th>Field of Experts</th>
<th>No.</th>
</tr>
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<tbody>
<tr>
<td>1  Design Construction Management</td>
<td>20</td>
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<tr>
<td>2  Water Purification</td>
<td>10</td>
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<tr>
<td>3  Water Distribution</td>
<td>16</td>
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<tr>
<td>4  Water Supply</td>
<td>9</td>
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<tr>
<td>5  Water Operation</td>
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<td>6  Water Quality</td>
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<td>7  Water Source Management</td>
<td>5</td>
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<td>8  Mechanical &amp; Electrical Maintenance</td>
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<td>Total</td>
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</table>
Major Development Results

Various types of water meters

Automatic meter-testing equipment

Internal pipe inspection robot

Folding-type valve opener
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International Cooperation

Acceptance of overseas trainees

Asian Waterworks Utilities Network of Human Resource Development
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Introductory Video Movie
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Introductory Video Movie
In order to stably supply safe and tasty tap water to the customer, the Training section and R & D section will combine efforts to improve the abilities of staff members.