



Japan District Heating and Cooling Association

Contributing to comfortable and environmentally friendly carbon-free urban development

Japan District Heating and Cooling Association

Overview of association activities



Representative
Director

Toshio Ojima

Our association, the Japan District Heating and Cooling Association, was established in 1972 as a voluntary organization with the aim of popularizing district heating and cooling in Japan. And it was certified as an incorporated association in 1993.

We have been expanding the business fields, answering the social need to realize a decarbonized and energy efficient city design.

However, the Great East Japan Earthquake and the Fukushima nuclear accident, which hit Japan in 2011, obliged us to change the urban design policy as a “package of energy plan and disaster prevention plan”.

It has passed around a half-century since our association was founded, and the role of our association has become more and more important, pursuing zero-energy society, as an organization, Bridging industry, academia, and government.

Japan has declared that it will reduce greenhouse gas emission by 2050, and in order to contribute realizing the governmental target, implementing BCD as a countermeasure against natural disasters and realizing SDGs goals, our association is expected to play a leading role and implement practical activities and projects.

We recorded the 50th anniversary in 2022, and I would like to ask you all for further guidance and encouragement in order to realize “safe, decarbonized and sustainable urban environment”.

Outline of our activities

Promoting the introduction of urban heat supply and treatment systems, including district heating and cooling system, and promoting awareness-raising activities related to urban disaster prevention.

1 Realization of a city of smart use of heat

Examination of technologies and systems necessary for promoting the area-wide use of heat, which accounts for a half of the final energy demand, and activities to raise awareness

2 Realization of disaster-resistant cities

Pursuing and development of the feasibility of commercialization of BCD, for improving the disaster prevention of cities

3 Realization of decarbonized energy infrastructure

Planning and support for introducing renewable energy and hydrogen as core energy sources

Main activities

1 Survey

■ Independent research

Supporting to realize safe and secure decarbonized cities by local governments and conducting various independent researches. The results have been published through our website.

■ Holding seminars to disseminate the research results

Holding seminars to disclose the survey results conducted by the association. The survey results have been widely disclosed also to non-members.



2 Public awareness raising

■ Urban Environmental Energy Symposium

Holding symposiums and facility tours focusing on area-wide use of heat, energy conservation, disaster prevention, and decarbonization, etc., not only for members but also for the general public.



■ Knowledge sharing with overseas

Conducting knowledge sharing events with overseas, on urban heat supply and treatment systems, including district heating and cooling. Concentrating on collecting and disseminating information by communicating with foreign associations and companies

3 Technology utilization

■ Urban environmental energy technology workshop

Holding workshops and facility tours for the purpose of maintaining and improving knowledge and understanding the latest technologies related to urban environmental energy.

■ Technical manual

Publishing a "technical manual" covering the design, construction, and management of general heat source plants, including district heating and cooling. (As required)



Main activities

4 Supporting to accelerate project implementation

Holding knowledge sharing events, inviting the central government, local governments, and related organizations, summarizing the results, and making recommendations to the central and local governments.



5 Publishing main activities

■ Publication and distribution of journal

The association's journal "Urban Environmental Energy" is published quarterly, and distributed to members (heat supply companies, general contractors, subcontractors, manufacturers, design companies, etc.), local governments, and related government agencies.

Providing the latest information, such as referential examples of project to realize a decarbonized society, urban development by local governments, and introduction of urban redevelopment projects. (Open to the public through website)

■ Website operation

Providing timely and useful information on the activities of the association, and utilizing it, as a basis for disseminating information.

■ Distribution of e-mail newsletters

Distributing the association's events and projects. Such as the publications requested by the governmental and other related organizations, public comments, etc.

