

## Technical Information Sheet

<b>1. Name of technology</b>	Research, planning, and consulting on expansion of environmental policies and recycling industry into overseas countries.
<b>2. Type of technology</b>	<p>For global implementation of environmental policies, EX Research Institute Ltd., in Asian and other regions and countries, formulates policies, establish systems, and implement relevant projects necessary to provide optimal environmental control of waste and chemical substances, develop environmentally-friendly cities, and prevent pollution, and assesses the current situation, supports the creation of project plans, and implements capacity development for relevant personnel. In addition, EX Research Institute Ltd. implements projects to provide assistance to people at the bottom of the pyramid (BOP) in developing countries.</p> <p>EX Research Institute Ltd. dispatches experts with abundant experience on waste control, measures against climate change and other global environmental issues, global resource recycling, and so on, from both “soft” (tangible) and “hard” (intangible) aspects, and with the focus on ODA-related operations, has been making continued efforts to maximize the effectiveness of assistance with optimal “development and environment” and solve environmental issues in developing countries. Based on the knowledge on overseas environmental projects accumulated through these operations, EX Research Institute Ltd., under the cooperation between the public and private sectors (PPP: Public-Private Partnership), has been offering consulting services on environmental infrastructure development and overseas assistance projects including those by small and medium-sized companies.</p>
<b>3. Description of technology</b>  <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Objective, application, characteristics, delivery record, and price of technology </div>	<div style="border-top: 1px dashed black; padding-top: 10px;"> <p>[Objective and application of the technology]</p> <p>■ Global implementation of environmental policies</p> <ul style="list-style-type: none"> <li>• Providing support to relevant organizations in implementing environmental agreements</li> <li>• Providing support to make global negotiations and study domestic security measures for establishing environmental agreements</li> <li>• Expanding Japan’s environmental industry into overseas countries</li> <li>• Developing a recycling-oriented society in developing countries</li> <li>• Environment control/chemical substance control in Asia</li> <li>• Planning an environmentally-friendly city (Smart City)</li> <li>• Providing assistance to people in the bottom of the pyramid (BOP) in developing countries (launching community business and improving information accessibility)</li> </ul> <p>■ Overseas environmental operations</p> <ul style="list-style-type: none"> <li>• Overseas technical cooperation in environmental fields (ODA-related operations)</li> <li>• Measures against climate change in overseas countries and relevant operations</li> <li>• Comprehensive consulting services relating to development and management of environmental facilities in overseas countries</li> <li>• Support for overseas environmental business and technical transfer through the utilization of various business schemes and financial aid schemes (domestic and overseas financial aid and support projects) (Forming a project, formulating a business plan, and conducting a feasibility study)</li> </ul> <p>[Characteristics of the technology]</p> <p>EX Research Institute Ltd. was founded in 1972 and, since 1984, has been carrying out overseas business relating to waste and environment, including operations with JICA, for 30 years. Focusing its business on the field of municipal waste disposal, EX Research Institute Ltd. has expanded its business to industrial waste control, hazardous waste control, industrial waste recycling control, hazardous waste (chemical substance) control, waste repository closure, and so on. EX Research Institute Ltd. has formed alliance relationships with environmental consulting companies in Asian countries and has abundant experience and a wide network.</p> </div>

	<p>[Delivery record]</p> <ul style="list-style-type: none"> <li>• Business feasibility study on tire recycling with supply of high value added carbon material, etc. in Dalian, China   2012   Private company</li> <li>• 2012 Project commissioned by Ministry of Foreign Affairs of Japan: Project to promote the spread of dryers for sludge in wastewater treatment tanks   2012   Ministry of Foreign Affairs of Japan</li> <li>• Research, development, and demonstration on advanced recycling systems of waste electrical and electronic equipment in Mumbai, India and surrounding areas   2012   Private company</li> <li>• Project to support the promotion of venous industry in overseas countries, including feasibility study [Feasibility study on integration-type energy recovery business for solid waste in Ho Chi Minh, Vietnam]   2012   Private company</li> <li>• 2011 Global environment adaptation-type project to develop industrial logistics infrastructure with Japanese technologies (Feasibility study on waste-related BOT projects in the special region of Jakarta, India)   2011   Ministry of Economy, Trade and Industry</li> <li>• 2010 Expenses for commission for study, etc. on resource recycling promotion by small-and mid-sized companies, etc. (Asia resource recycling promotion project—Project to study the development of an eco-town with cooperation between Kita-Kyushu City and Rayong (Thailand)   2010   Ministry of Economy, Trade and Industry</li> <li>• Asia resource recycling promotion project—Project to promote cooperation among recycling-oriented cities with cooperation between Kita-Kyushu City and Surat (Gujarat, India)   2010   Ministry of Economy, Trade and Industry</li> <li>• Asia 3R network development project—Study on the development of an eco-town in Thailand   2009   Ministry of Economy, Trade and Industry</li> <li>• Asia 3R network development project—Study on the implementation of a recycling city cooperation project in cooperation between Kita-Kyushu City and Dalian   2009   Ministry of Economy, Trade and Industry</li> </ul> <p>[Price and other inquires]</p> <p>(Sales) Planning &amp; Sales Department, Corporate Development Division</p> <p>(Departments in charge) International Environmental Policy Group of International Consulting Division and Overseas Environmental Business Group of International Consulting Division</p> <p>17-22 Takada 2-chome, Toshima-ku, Tokyo 171-0033, Japan</p> <p>TEL: +81-3-5956-7503; e-mail: exinfo@exri.co.jp</p>
<b>4. Classification of technology</b>	
(1) Applicable fields	Municipal waste treatment, industrial waste treatment, hazardous waste treatment, final disposal, collection/transport/storage, recycling (material/thermal/chemical), research/assessment, and other environment protection technologies
(2) Target waste	Paper/cardboard, waste plastic, plastic bottles, glass bottles, steel cans, aluminum cans, styrene foam, food/raw garbage, construction waste, home appliance products, fluorescent tubes, electronic products, cellular phones, automobiles, lead and other batteries, waste tires, medical waste, waste oil, etc.
(3) Service provided	Technical collaboration/transfer, consulting, environment impact assessment, research/data processing, etc.
<b>5. Countries to which this technology can be provided</b>	Countries with an unstable regional situation
<b>6. Keywords</b>	Resources recycling in Asia, majors in venous industry, cooperation between different cities, promotion projects to developing countries, ODA
<b>7. Contact information</b>	International Consulting Division