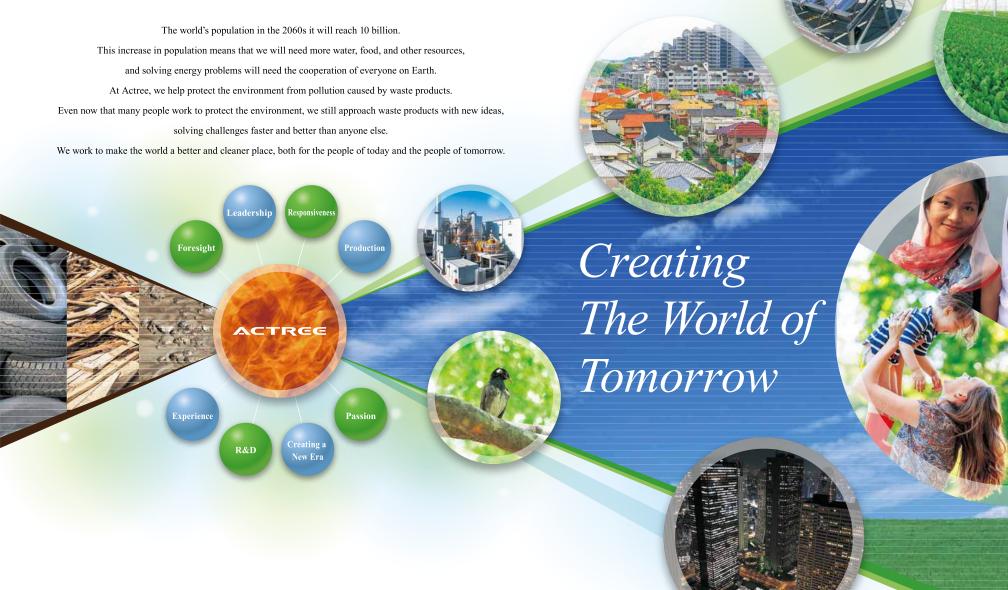


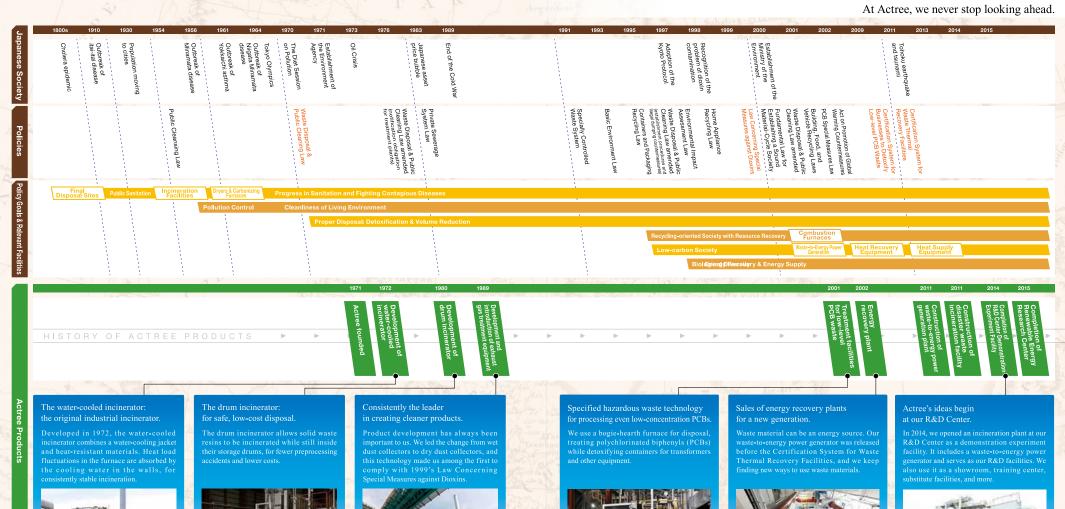
Making the World Better for the Future.



Improved Waste Treatment, Through Years of Progress



















How Actree Became an Environmental Solutions Company.

At Actree, we use environmental technologies to make the world clean and comfortable.

In 1971, Murata Kinzoku, a metal-stamping company, started a new business that became Actree.

We started from zero to solve the pollution problems that came from major economic growth.

We have developed advanced processing facilities, with many environmental technologies,

to help make the environment around the world.

Today, we are Japan's top maker of industrial waste treatment incineration plants.

At Actree, our goal is to protect the environment for the future



Everything is Handled In-house. It's Our Pride and Our Responsibility.

At Actree, when we build plants, we plan to help our customers forever.

Our plants are built to protect the environment and save our customers money,

and we give our customers great support.

By doing everything in-house, we can give our customers the best reliability and peace of mind.



ACTREE WORKFLOW



Proposal

Planning

Manufacturing

Installation

Test Run

After-sales Service



Our Sales Group helps customers expand their businesses with our waste treatment plants. We listen to customer requests, and look at waste treatment trends, the nature of the area, historical background, and more.



To help expand a customer's business, we make plans that will provide safe and reliable treatment, and we analyze the materials that customer will treat. Our Plant Group makes process plans, mechanical plans, and electrical plans to fit the customer's business.



At Actree, we have always believed that in-house manufacturing is very important for our technologies, and we have always had an in-house factory. Our expert Manufacturing Group uses in-house manufacturing to give our customers excellent quality, very quickly.



From planning to installation and test run, every step is done by our Plant Group, working closely with the customer. Our products are built at our factory with modular designs, so they can be assembled quickly and efficiently, with safer installation work.



After installation work, the same people from our Plant Group perform a test run. We take responsibility for the test runs until our products are ready for standard operation. We also carefully teach our customers how to operate their new facilities.



Even after our customers start using our products, experts from our Service Group provide regular maintenance and service if there are technical issues. Our in-house approach, from planning to manufacturing to service, lets us quickly get customers back up and running.

Using Experience and Hard Work to Find Solutions to Any Challenge

Waste-to-Energy Power Generation Equipment

We plan and build incinerators to fit our customers' businesses.

We can also add systems to automatically transport and load infectious waste, waste still stored in drums, and more.









Drying Equipment

Incinerates and deodorizes the foul-smelling gas from drying, for odorless exhaust that is also used as a heat source. The combined drying and deodorizing equipment uses less fuel than using two separate pieces of equipment.





Combustion Furnace Equipment

Combustion furnaces fire soil or cinders that are polluted with organic compounds or heavy metals, to detoxify them The results can then be used as ground embedding material for buildings, roadbed material, and other construction materials.









SRP Mixes insolubilizer into inorganic matter sludge, then granulates and fires it to be used in

Carbonizing Equipment

Processes woody waste material, food debris, organic sludge waste resin, waste tires, and more. Manufactured carbide products can be used as a substitute for activated carbon in water cleaning agents, soil improvement materials, road heat storage materials, deodorizers, household floor and wall humidity control agents, and more.





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Actree: From Japan to the World

Anywhere people live, they will need waste treatment.

However, not every region can use the same type of waste treatment equipment.

It can vary by company, by place, by age, and more.

That is why we visit our customers, anywhere in Japan,

to talk with them and offer them the best solution for their needs.

Today, we are connected to our customers all across Japan.

In the future, we want to use our waste treatment experience and knowledge

to connect with customers around the world.

Actree has worked with clients from all across Japan, from north to south. The dots on the map are just some of

Headquarters

Tokyo Branch Office



ACTREE OFFICE AND BRANCH LOCATIONS



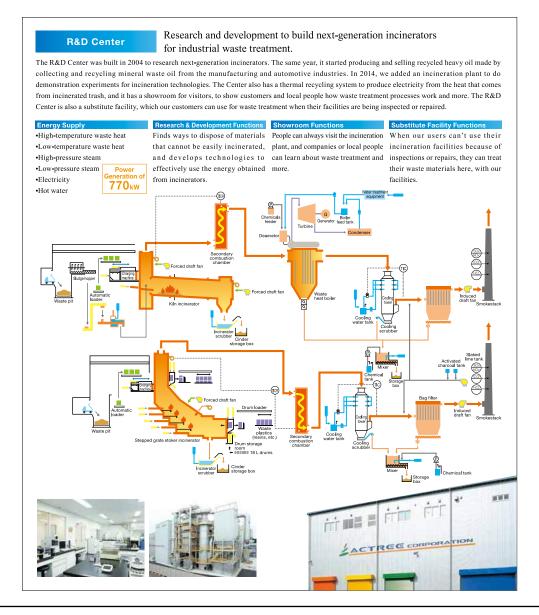








Industry, Universities, and Government Working Together to Make the Next Generation of Waste Treatment.





Renewable Energy Research Center

Researching composite energy supply systems that provide both electricity and heat.

At this center, Actree works with the University of Tokyo's Research Center for Advanced Science and Technology, to develop a hybrid generation system that combines a tracking-condensing solar power generation system with a thermoelectric generation system. This system collects sunlight and heat energy, to generate twice as much power as conventional solar power generators or more. Now, they are performing demonstration experiments to make greenhouse farming possible without CO2 emissions, heating greenhouses with sunlight instead of fossil fuels.





Research Building

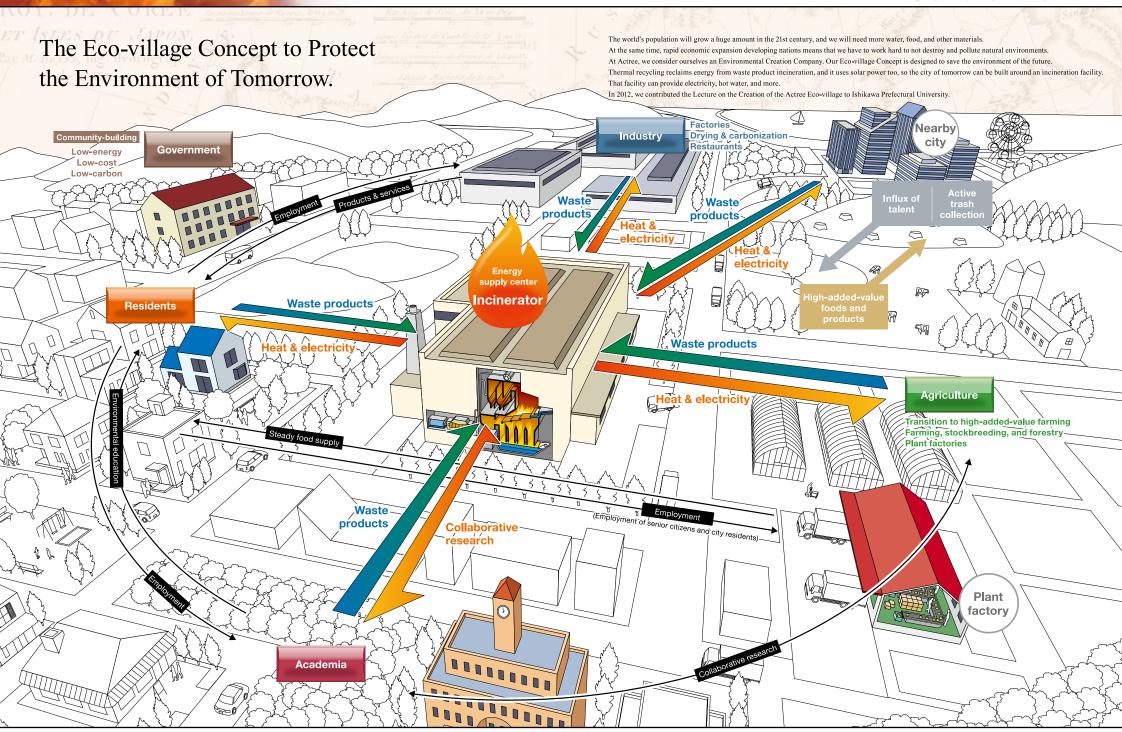
Fast and accurate analysis for plant planning.

Waste material treatment changes with the times. At our Research Building, we analyze calorific values, perform elemental analysis and heavy metal dissolution tests, and more. The results are used for plant plans. We are a registered measurement certification business operator (Ishikawa Prefecture, No. 39), helping us meet customer needs with fast and accurate analysis.









The Hearts and Minds of Each and Every Member of Our Team are Dedicated to Creating the Next-generation Environment.



Actree sells the future — it's a company that the world needs.

Actree is always focused on the future. Beyond the fact that it takes at least three years for waste treatment facilities to begin construction, they cost hundreds of millions of yen, making them a serious investment for our customers. We make our proposals to our customers with an eye on the future, with their business's expansion in mind. The facility that was the first project I was in charge of will finally begin construction soon, and I'm looking forward to the moment when we can hand over control of their brand new facility. At Actree, our focus is on more than just products — we also have major projects like the Actree Eco-village planned, with the goal of creating an affluent society with a waste treatment facility serving as the energy center for a town. I'm proud to work at Actree, helping to build a bright future for the energy needs of tomorrow.



The more difficult the plant, the more pride we take in building it.

Putting together one of our plants is anything but assembly line work. Each of us is involved in virtually the entire process of building a plant, taking responsibility for the whole thing rather than just working on a limited part of it. The structure of each plant varies based on each customer's needs, and sometimes we get orders for large, complex plants. No matter how tough the job, though, our pride as makers suddenly fires us up, as we're motivated by the goal of building a plant that's certain to delight our customers. At Actree, we can take on any challenge once we have that drive motivating us. I've worked at Actree for 18 years; I look forward to training young new talent, further expanding our factory, and taking on new challenges in building new plants.



Refusing to compromise or to force a fit, for customer satisfaction.

Actree is not the sort of company that believes that "one size fits all." In the mechanical planning team, we have a long history of plans and proposals designed specifically for our customers, rather than simply working by the book. That customized attention to detail extends beyond drawing up blueprints, all the way through installation and test runs. Each of us is involved in the entire process of the project and takes full responsibility as we work on it, regardless of age or position. Waste treatment plants must take into account the unique characteristics of the area, the various waste products to be treated, and the customer's desires. We work to meet each of these needs, allowing us to build better proposals and plans that perfectly fit our customers. I look forward to continuing to work to meet the changing times and the needs of our customers.



Our major research and development efforts are for the global environment of tomorrow.

I joined Actree eight years ago, and have worked on various research projects related to the environment since then. In addition to our in-house research, we have also cooperated with other organizations and universities for a broad range of research and development efforts. Much of our research work has been large projects that exceed the scope of what can be done by a single company, built around R&D meant to address the environmental problems we expect to see ten or twenty years from now. In Ishikawa Prefecture and the whole Hokuriku region, Actree is the first thing that comes to mind when it comes to the environment, and we hope to expand that to nationwide through R&D efforts that contribute to bringing about a rich environment in the future.





Actree's Vision for the Future: Keeping the World Beautiful for 100 Years and More.

At Actree, we want to help society by making technology for a clean, comfortable global environment.

In fact, our company name is based on our hope for the future.

These have always been our beliefs since we started in 1971.

The environment will be very important in the 21st century. Waste treatment will change, from getting rid of waste to using waste as an energy source.

We will continue to work to protect the environment for future generations.

A Message from Our Representative Director

When Actree started in 1971, Japan was experiencing major economic growth. People only thought about making and buying things, without thinking about protecting the environment. For our history, we have always thought about environmental problems, as we make excellent waste treatment plants. As a result, we have become Japan's leader in industrial waste treatment plants. Today, our environmental plants do more than waste treatment, such as material recycling, thermal recycling, energy recycling, energy recovery, and more. We are even making large-scale composite plants that do more than one thing. Our R&D experts have also found many ways for our waste treatment plants to reduce greenhouse gases. At Actree, we make new environmental plants with the newest technologies, and we thank our customers for their support.

Amenities with

Clean-oriented

Technology to

Recover the

Environment on

arth

Company History

1971	Founded as Murata Kiko Co., Ltd. (¥8,000,000 capital) Production begins at our incinerator factory in Kannondo-machi, Kanazawa	Sep. 2001	Work begins on the Research and Development Project for Regional Revitalization through Collaboration between Industry, Academia, and Government
1972	Nonizzwa Norman (Norman Marka New Product Each following year until 1988, our incinerators, low-energy machinery, recycling plants, and anti-pollution plants received Ishikawa New Product designations as well.	Apr. 2002	Collaborative development begins of an incinerated ash recycling system that uses granulation and firing technology, under the Program for Developing Infrastructure for the Next-generation Waste Treatment Technology
1975	Factory expanded	Dec. 2004	R&D Center opened in Tochigi Prefecture
1977	Capital increased to ¥10,000,000	May 2005	ISO-14001 certification and registration (corporate headquarters and
1979	New factory built in Senkoji-machi, Kanazawa		Tokyo branch office)
1984	Capital increased to ¥20,000,000	Oct. 2005	Received JST Risk-taking Fund for Technology Development for our
1988	Capital increased to ¥26,000,000		device for simultaneous desulfurization and denitrification during radical
1990	Our medical waste incinerator is designated an Ishikawa New Product		injection
	Our GRM-1000 waste tire incinerator and activated carbon production	Jan. 2006	Certified Ishikawa Niche Top Company no. 1
	device is designated an Ishikawa New Product		ISO-14001 certification and registration (R&D Center)
1992	Our KHP-2000S-EP white smoke-preventing waste incinerator is designated an Ishikawa New Product		Collaborative research with Ishikawa Prefectural University, Hokuriku Electric Power Company, and Kotaro Pharmaceutical on super liverwort
1992	The factories inside the city of Kanazawa begin to feel cramped, leading		plant factory system for eicosanoid production
	to the construction of a new, state-of-the-art factory and a new	Nov. 2007	Collaborative research with Tokyo Institute of Technology and Industrial
	headquarters in nearby Matto (now Hakusan), to which all parts of the		Research Institute of Ishikawa on a low-density waste heat recovery
	company are relocated		system using a highly integrated thermoelectric conversion module
	Company name is changed to Actree Murata Co., Ltd.	Dec. 2007	ISO-9001 certification and registration (corporate headquarters, Tokyo
1993	Our KHPR-2000S multistage incinerator with rotary kiln is designated an		branch office, and R&D Center)
	Ishikawa New Product	Jun. 2008	Collaborative research with Tokyo Institute of Technology and Industrial
1994	Our MIT-4000S-EP waste fluid, waste oil, and waste resin incineration		Research Institute of Ishikawa on a low-density waste heat recovery
	device is awarded a gold medal as an Ishikawa Brand New Product		system using a membrane-structure thermoelectric conversion module
1994	Tokyo branch office established	Nov. 2008	Collaboration with Ishikawa Prefectural University on investigation of
1994	Capital increased to ¥56,000,000		possibility of industrial ethanol production from food biomass
1995	Our small industrial incinerator with new EP is awarded an award for	Dec. 2009	Collaboration with Ishikawa Prefectural University and Yoshida Shuzoten
	excellence as an Ishikawa Brand New Product		on trial manufacture of continuous bioethanol fermentation and
	Sales begin of our fluorescent light treatment and recycling plant		distillation device
1996	First-class architect office opened	Oct. 2011	90-ton rotary kiln furnace begins operation in Sendai (Gamo), in
1996	Awarded the Small and Medium Enterprise Agency Director-General's		association with JFE Engineering
	Award	Mar. 2012	95-ton stoker furnace begins operation in the Watari-Natori Block (Natori)
1997	Awarded the Medium and Small Business Research Institute Prize (now		for Nishimatsu JV, in association with JFE Engineering
	the Good Company Award)	Apr. 2012	95-ton rotary kiln and stoker furnace begins operation in the
	Established the Technology Research Center		Watari-Natori Block (Iwanuma) for Hazama JV
	Collaborated with the American company MiTek on steel truss technology	May 2012	95-ton stoker furnace begins operation in the Watari-Natori Block (Natori)
1997	Collaborated with the American company Warburton on air-purifying		for Nishimatsu JV, in association with JFE Engineering
	flowerpot technology	Jun. 2012	Exhaust gas treatment facility for two 300-ton rotary kiln furnaces begins
1998	Capital increased to ¥67,500,000		operation in the Ishinomaki Block, in association with JFE Engineering
	Melting furnace built as a project subsidized by MITI (now METI) completed		110-ton stoker furnace begins operation in the Miyagi-Tobu Block, in association with JFE Engineering
1999	Awarded the Ishikawa Venture Grand Prix	Dec. 2012	Capital increased to ¥98,000,000
1999	Collaborated with the American company Dryback on vacuum	Mar. 2013	100- and 200-ton rotary kiln furnaces begin operation in the Kesennuma
	dehydration and drying device technology		Block (Hashikami and Koizumi)
2000	Pyrolytic melting system built as a regional consortium research and	Jan. 2015	Completion and start of operation of incineration demonstration
	development project completed		experiment plant at our R&D Center
	Capital increased to ¥80,720,000	Mar. 2015	Construction of Renewable Energy Research Center, using an METI
	Company name is changed to Actree Corporation		Subsidy for Advanced Technology Demonstration and Evaluation Facility
2001	Awarded the regional promotion prize at the Japan Venture Awards		Development

Mar, 2000 Pyrolytic melting system built as a regional consortium research and development project completed Mar, 2001 Capital increased to ¥80,720,000 Apr, 2001 Company name is changed to Actree Corporation May 2001 Awarded the regional promotion prize at the Japan Venture Awards	Jan. 2015 Completion and start of operation of incineration demonstration experiment plant at our R&D Center Mar. 2015 Construction of Renewable Energy Research Center, using an METI Subsidy for Advanced Technology Demonstration and Evaluation Facility Development		
Corporate Details			
Company name : Actree Corporation Description of business : Manufacture and sales of various types of environment-related plants (waste incinerators, combustion furnaces, carbonizing furnaces, drip furnaces, energy recovery devices, sludge dewatering devices, etc.) and recovered oil, as well as intermediate treatment of waste products	Corporate headquarters : 375 Misumi-machi, Hakusan, Ishikawa 924-0053 Tel: +81 (76) 277-3380 Fax: +81 (76) 277-3329 Tokyo branch office : 9F Ginza Makicho Building, 8-12-10 Ginza, Chuo-ku, Tokyo 104-0061 Tel: +81 (3) 6264-2050 Fax: +81 (3) 6264-2051 R&D Center : 3491-1 Mibu, Mibu-machi, Shimotsuga-gun, Tochigi 321-0215 Kanto branch Tel: +81 (282) 83-5964 Fax: +81 (282) 83-5964		
Date of establishment : April 1, 1971 Capital : Y98,000,000 Representative : Representative Director Hiroharu Mizukoshi	Hokkaido sales office: 306 2-3-18 Kita 10 Jo-higashi, Higashi-ku, Sapporo, Hokkaido 065-0010 Tel: +81 (11) 768-8340 Fax: -81 (11) 768-8350 Okinawa sales office: 2013-4-14 Akebono, Naha, Okinawa 900-0002 Tel: +81 (98) 917-6403 Fax: (98) 917-6404		



Hiroharu Mizukoshi

Doctor of Engineering & Representative Director