



Founded	February 22, 1949
Capital	¥100,000,000
Representative Directors	SASAKURA Toshihiko, Chairman SASAKURA Shintaro, President
ISO Certification Acquisition	ISO 9001 Quality management system ISO 14001 Environment management system

COMPANY PROFILE

Location

Head Office	7-32, Takejima 4-chome, Nishiyodogawa-ku, Osaka 555-0011, Japan Tel:+81-6-6473-2131
Tokyo Branch Office	17-25, Shinkawa 1-chome, Chuo-ku, Tokyo 104-0033, Japan Tel:+81-3-5566-1212
Sasakura Technoplaza	5-30 Takejima 4-chome, Nishiyodogawa-ku, Osaka 555-0011, Japan Tel:+81-6-6473-2138
Takejima Works	6-45, Takejima 4-chome, Nishiyodogawa-ku, Osaka 555-0011, Japan Tel:+81-6-6473-2136
Utajima Works	8-19, Mitejima 5-chome, Nishiyodogawa-ku, Osaka 555-0012, Japan Tel:+81-6-6473-4233
Onoda Works	Ohama, Sanyo Onoda City, Yamaguchi 756-0866, Japan Tel:+81-836-88-0441

[Related Company]

Sasakura Service Center Co., Ltd.
Sasakura Acoustic Engineering Co., Ltd.

PT.Sasakura Indonesia(Indonesia)
Sasakura Middle East Company(Saudi Arabia)
Sasakura Taiwan Co., Ltd.(Taiwan)
Sasakura Shanghai Co., Ltd.(China)
Sasakura International(H.K.) Co., Ltd.(Hong Kong)



Head Office

[Related Organizations]

Sasakura Enviro-Science Foundation



Explanation of Symbol (Trade Mark) of the Company
This Symbol represents "the earth full of water and green", which symbolizes Sasakura's long years of commitment to the protection of the environment of the earth. The capital letter "S" from the name of the company, is located in the center of this mark. The earth is represented by two human shapes of blue and green, which implies the interrelation between the earth and human being. The revolving of the earth gives the image of everlasting development and the harmony of human shapes imply the company, which promotes the betterment of the environment of the earth and develops as a company which is highly respected in the society. This Symbol was designed with the expressed wishes and expectations of us all.



Ever since our founding in 1949 we have firmly followed a corporate philosophy of contributing to society. Ever since our founding we have been an enterprise fully committed to technological development, possessed of a vigorous engineering orientation and adhering to a bold pioneer spirit. We carry out research and development on a global scale for products such as marine equipment, desalination plants, evaporating concentrators, air-cooled heat exchangers and environmental protection devices, and we have earned the reputation of being global leaders in all these fields.

We strive for constant innovation on the basis of our vast technological know-how regarding design, production, construction, and quality control, gained from experience built up over many years. We aim at developing new products and technologies matching the needs of the times.

Nowadays, we are charged with the great issue of making effective use of limited resources while preserving the planet's natural environment. Sasakura's motto is, "Devotion to a Better Human Environment through Fresh Water Production, Energy Savings and Noise Control." We aim at creative research and development and the cultivation of human resources while contributing to the creation of a rich global environment by means of our advanced technological power.



SASAKURA Shintaro,
President

Devotion to a Better Human Environment through Fresh Water Production, Energy Savings and Noise Control



1949 Founded in February 1949 Sasakura Engineering Co., Ltd. was founded by SASAKURA Toshiro as a manufacturer of marine equipment

1950s March 1951 Began manufacturing and sales of fresh water generators for ships

1960s December 1963 Began manufacturing and sales of air-cooled heat exchangers

1966 June 1966 Exported Japan's first land-based MSF desalination plant to Arabian Oil Company in Khafji, Saudi Arabia

1970s August 1971 Began manufacturing and sales of noise control systems

1976 July 1976 Awarded 1st INOUE Harushige Prize for research and development of seawater desalination and successful commercialization

1980s April 1987 Began manufacturing and sales of evaporating concentrators

1987 November 1987 Completed the Aero-Acoustic Research Laboratory, a comprehensive research facility for acoustic technologies

1990s October 1992 Changed corporate name to Sasakura Engineering Co., Ltd.

1994 October 1994 Established Indonesian joint venture PT. Sasakura Indonesia

2000s June 2002 Cumulative shipment of air-cooled heat exchangers exceeded 10,000 units

2002 October 2002 Established joint venture in Saudi Arabia

2005 September 2005 Completed Sasakura Technoplaza, a comprehensive research facility for water and heat technologies

2005 September 2005 Began manufacturing and sales of radiant air conditioning system using water as a cooling medium

2006 February 2006 Shipment of fresh water generator series-K for diesel ships exceeded 10,000 units

2006 September 2006 Awarded 1st excellent product award from Japan Society of Mechanical Engineers

2014 January 2014 Began manufacturing and sales of fresh water generator Series-X for ships

2015 January 2015 Obtained an order for Shoaliba Phase 2 MED desalination plant (the world's largest and most efficient desalination plant) from Saudi Arabian Saline Water Conversion Corporation

2015 August 2015 Began manufacturing and sales of Linear Silencer for exhaust gas

2016 October 2016 Jointly developed evaporating concentrator with a solvent recovery system, that enables recovery of solvents, with Nippon Refine Co., Ltd.

2018 April 2018 Established in China of Sasakura Shanghai Co., Ltd.

2018 October 2018 Began manufacturing and sales of fresh water generator Series-WX for ships

2019 December 2019 Received the Agency for Natural Resources and Energy Commissioner's Award in the FY2019 Energy Conservation Grand Prize for the YVCC evaporating concentrator

2021 July 2021 Began manufacturing and sales of Bilge Separator PURELIO Model

2021 October 2021 Sasakura Alq Acoustic Engineering Inc. Absorbed and Merged with Sasakura Acoustic Engineering Co., Ltd.

2021 April 2021 Completed Hydronic heating and cooling radiation panel performance measuring room

SASAKURA STORY

Water and Environment

Fresh Water Generator for ships

We made our start as a specialty manufacturer of marine equipment such as fresh water generator for ships and heat exchangers. Fresh water generators are one of the most vital devices in meeting the demand for water of vessels at sea. The purified water produced is used in a variety of applications including drinking water, boiler water and water for miscellaneous uses. In particular, energy-saving fresh water generators have been contributing to improvements in the sailing environment. Our fresh water generators are installed not only on ships built in Japan but are also exported and installed on many vessels overseas as well, and have brought us a global reputation for possessing a top-class level of technology.



Fresh Water Generator (Plate Type)



Fresh Water Generator (Tubular)



Double-Effect Low-Pressure Submerged Tube Type Distilling Plant

Land-based Desalination Plant

In the Middle East and in other countries around the world we have supplied large-scale, land-based desalination plants created on the basis of technology cultivated in working with ships, contributing to the development of regions where water is scarce. Nowadays, our global-leading technology and achievements have established our position as a leading manufacturer and allowed us to gain immense trust. When people think of desalination, they think of Sasakura.

Shoaiba Phase 2, the largest capacity and most efficient land-based desalination plant in the world

In January 2019, we completed and handed over the largest capacity and most efficient reheat type desalination plant in the world (91,200T/D) to the Saudi Arabian Saline Water Conversion Corporation.



Reheat-Type Desalination Plant (MED)



Reverse Osmosis Desalination Plant (RO)



Multi-Stage Flash-Type Desalination Plant (MSF)

Evaporating Concentrator

We lost no time in dealing with environmental problems. Evaporating concentrator, which we developed through application of our desalination technology, collect water and valuable elements from wastewater and liquid waste while also reducing their volume. Designed to lower waste disposal costs, the concentrator also greatly contribute to preserving the environment. We also applied the technology to the food industry, with evaporating concentrator factoring in processes used for the production of food and beverages.



Evaporating Concentrator



Evaporating Concentrator



Evaporating Concentrator



Evaporating Concentrator for Food and Beverage Use

Marine Pollution Prevention Machine

Bilge separators, sewage treatment plants and other of the products we manufacture to standards established by the International Maritime Organization (IMO) for the conservation of the marine environment are in use.



Bilge Separator



Sewage Treatment Plant

Heat and Environment

Air-cooled Heat Exchanger

Air-cooled heat exchangers we manufacture are used in developing Japanese refineries and petrochemical plants and in the cooling field. Our heat exchangers make efficient use of natural air resources and are environmentally friendly as well as highly economical. Use of heat exchangers has expanded to municipal incineration plants and biomass power plants, and we continue contributing to the development of the industry as a leading manufacturer.



Air-Cooled Heat Exchanger installed in municipal incineration plants



Air-Cooled Heat Exchanger installed in refineries and petrochemical plants



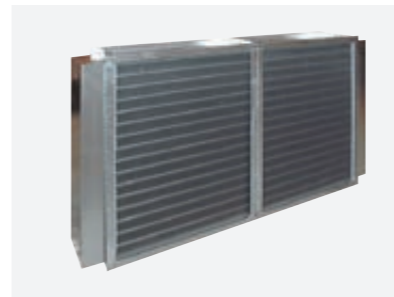
Fin Tubes for Air-cooled Heat Exchanger

Rotary Thermosiphon Chill Roll



In laminating or in producing liquid crystal, solar cells and other optical films, this revolutionary product enables improved product quality and accelerated production.

Heat Pipe Thermal Recovery Unit



This product was developed so that the warm air of the exhaust created by each process does not go to waste. Collecting and reusing the exhaust heat produces a high energy-saving effect. These units are used for applications such as air conditioning.

Cryogenic Butterfly Valve

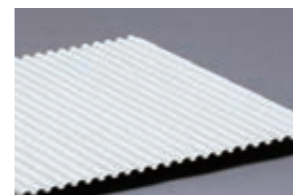


Our cryogenic butterfly valve used in valves for liquid fuel in space development rockets and liquid hydrogen is essential in transporting LNG and other cryogenic liquids. These valves are used at LNG terminals and on LNG carriers.

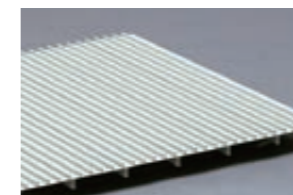
Radiant Air Conditioning System

This radiant air conditioning system is a comfortable and energy-saving way for cooling and heating radiant panels installed on ceilings and for directly heating or cooling the human body, which is friendly to both people and the global environment. The system is used in office buildings, hospitals and schools etc.

Our product line of radiant panels



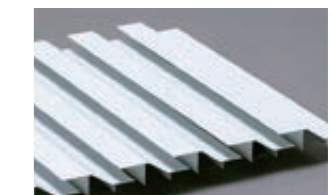
Wave



Rib



Punching



Louver



Hydronic heating and cooling radiation panel performance measuring room



Installation for Food company's Office

Sound and Environment

Creating a comfortable environment is impossible without considering the issue of noise. Ever since 1971 we have been developing and producing noise control systems. By controlling noise in all kinds of fields beginning with general industry and construction and also including ships, aircraft, space development and in underground facilities, we support the creation of comfortable environments.

Noise Control: Construction-related Outdoor Unit



Noise control for an outdoor unit: facility in Osaka



Noise control for an outdoor unit: electrical substation



Noise control for an outdoor unit: facility in Tokyo



Noise control for an outdoor unit: data center



Noise Control: Plants / Factories



Noise control for a steam condenser intake: Nagoya City Inokoishi Incineration Plant



Noise control for a steam condenser intake: incineration plant



Noise control: gas engine enclosure

Noise Control: Ships / Aircraft / Space Development



Noise control: hush house



Noise control for Vessel "LINEAR SILENCER" for engine exhaust gas(State of the performance test)

Noise Control: Underground Facility



Ventilation noise control: subway



Noise Control: Air Conditioning / Ventilation



Noise control for ventilation fans: concert hall



Research Facility for Conducting Noise Experiments



Research laboratory: anechoic room with PET sound absorbing wedges

SASAKURA TECHNOPLAZA

Sasakura Technoplaza: Concept

Space for Joint Research and Development to meet Customers' Needs

Space for Testing Sasakura's New Products and New Technologies

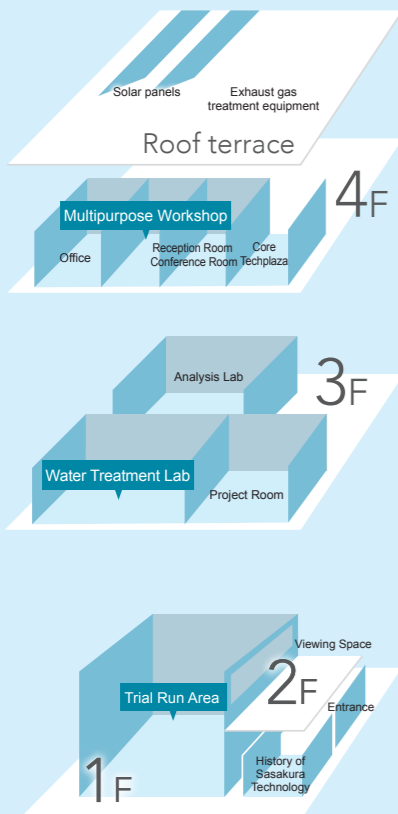
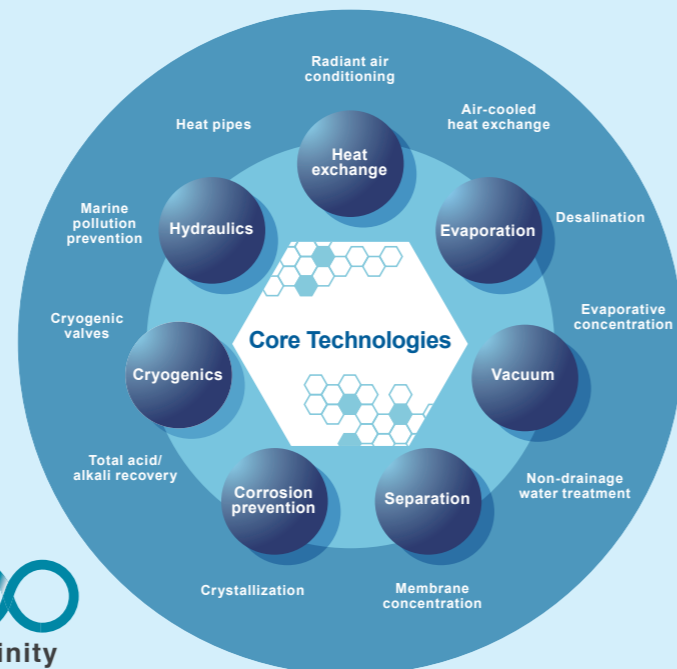
Sasakura Technology's Showroom



SASAKURA TECHNOPLAZA

Sasakura Technoplaza is a comprehensive research and development facility for technology, including products concerned with water and heat. From research to design, sales and production, all our staff members join in partnering closely with our clients in promoting their projects. Day in and day out we pursue research and development to respond promptly to our customers' needs. By fusing our clients' data and know-how with our core technology, we create new technologies and systems, resolving all types of issues in partnership with our clients.

Hand in hand, with our customers. Constantly rising to the challenges of infinite possibility lying ahead.



Multipurpose Workshop

This is a workshop equipped with our radiant air conditioning. Experience a quiet, comfortable space.



Water Treatment Lab

This is a basic research experiment laboratory for evaporating concentrator technology in conducting sample solution lab-scale experiments.



Trial Run Area

Here we conduct performance tests of products and trial runs of products under development. We have introduced wastewater treatment for treating liquid waste from the laboratory.



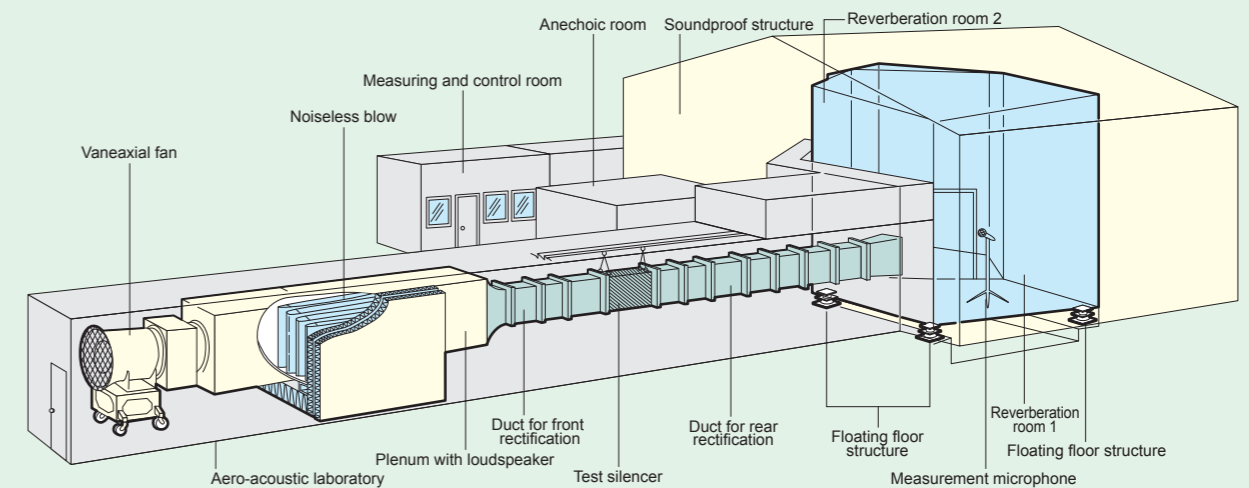
Aero-Acoustic Research Laboratory



This is a research and development facility developed independently by Sasakura in 1987. Sasakura's high-spec noise control system is regarded highly around the world. Its design is based on experimental data generated in this Aero-Acoustic Research Laboratory, with one of the few genuine anechoic wind tunnel experiment modules in Japan and possessed of two reverberation rooms. The system has obtained a very high level of trust.

Experiments possible with the Aero-Acoustic Research Laboratory

1. Experiments for acoustic and aerodynamic characteristics of all kinds of noise control systems (Dynamic acoustic insertion loss, pressure loss etc.)
2. Experiments for all kinds of materials, sound-absorbing panels, sound insulation and other acoustic characteristics (Reverberant sound absorption coefficient, sound transmission loss etc.)
3. Measuring of acoustic power level of noise generated by test pieces



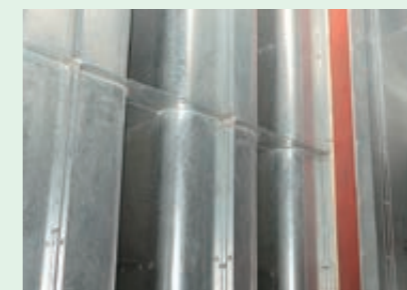
Vaneaxial fan



Aero-acoustic duct



Anechoic room



Noiseless blow



Reverberation room 1