

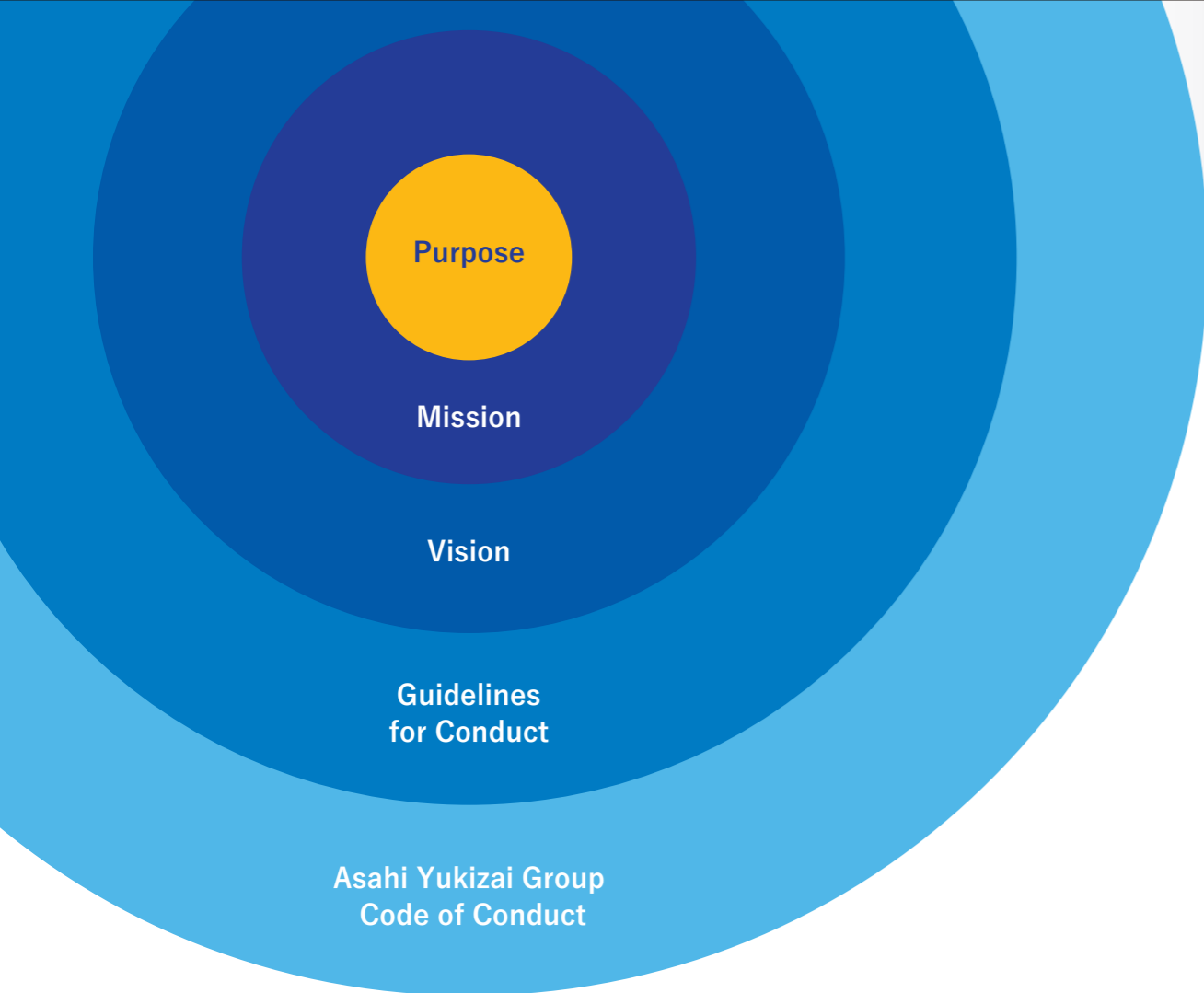


ASAHI YUKIZAI CORPORATION

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Philosophy

ASAHI YUKIZAI Group

Purpose

To offer peace of mind through reliable quality and dedicated support.

Mission

To contribute to the customers' manufacturing process with solutions that add value.

Vision

To attempt something that has never been done before and make a real difference in customer experience.

Guidelines for Conduct

Take an interest in and try out new things.
 Keep enhancing our sophisticated expertise.
 Deeply understand others and discover their issues.
 Fulfill our individual roles while remaining mindful of shared goals.

Asahi Yukizai Group Code of Conduct

What we should practice when working for Asahi Yukizai Group and what we should keep in mind.

Great Niche Explorer

Since our company's founding in 1945, we have developed our business in niche markets with our highly specialized and unique technologies, and as a result of our sincere efforts to solve our customers' problems, we made a name for ourselves as a top niche company.

By niche markets, we mean markets that are not huge in terms of individual market size, but are found around the world and unquestionably needed.

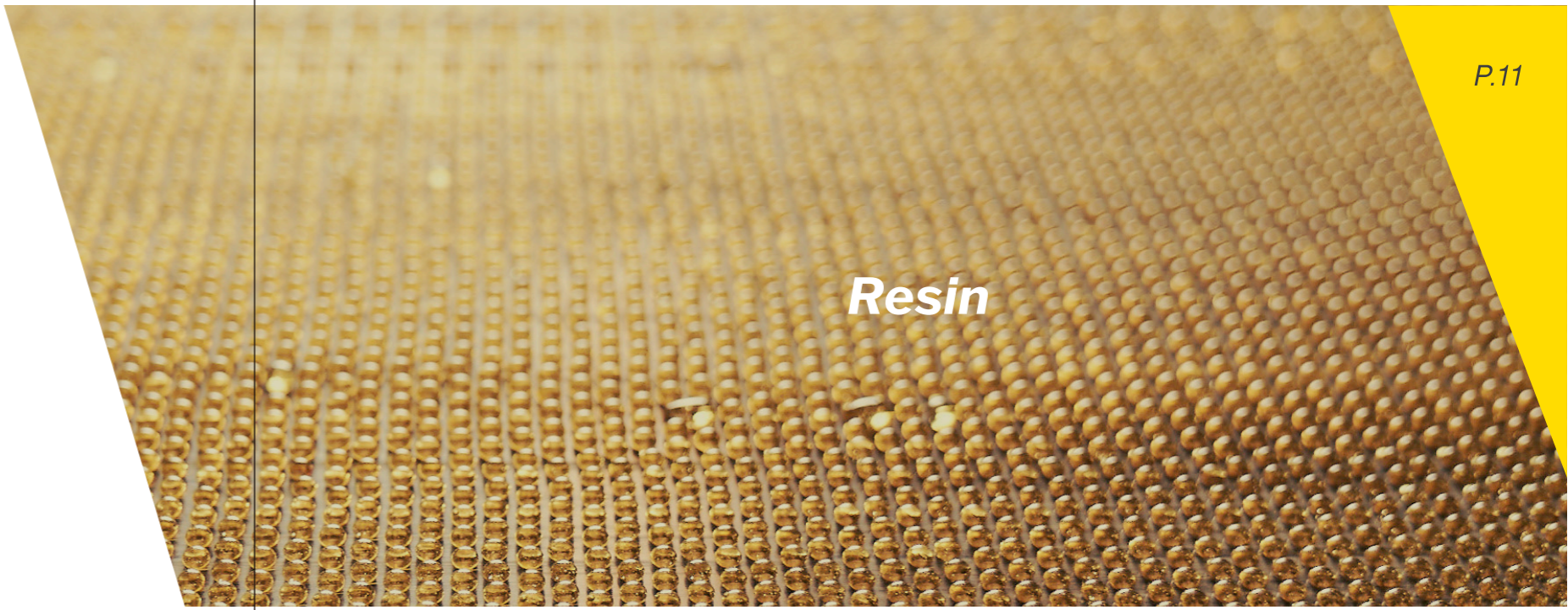
And by great company, we mean a company that "stands out in its industry," is "scrupulous about the uniqueness of its products and services as seen from the customer's perspective," and is a respected and "indispensable" company.

By attempting something that has never been done before and making a real difference in customer experience, our company will evolve into a Great Niche Top, and continue to be a "Great Niche Explorer," an explorer that aims to be the best in niche markets.



Valve & Piping Systems

Three Business Areas



Resin



Water Treatment & Natural Resources Development

01

Manufactured Thermoplastic Valves Ahead of its Time

Asahi Yukizai manufactured thermoplastic valves in 1956, which was ahead of its time. At the time, when only metal valves were available, sites that handled chemicals or seawater had to replace their valves in short periods of time due to corrosion or rust. A turning point came when Asahi Yukizai, which had been working with thermoplastic materials, developed a valve made of PVC. Today, thermoplastic valves are sold by numerous manufacturers, but our unique strengths lie in the technical know-how accumulated over a long period of time and our extensive product lineup.



03

Developing and Providing Solutions Optimized for Individual Customers

The advantage of thermoplastic valves is that they are lightweight, rust-free, and have a long service life. As a result, they are highly reliable and robust in handling not only fresh water, but also chemicals and seawater. We are a pioneer of thermoplastic valves and confident in our products' capabilities, but our true purpose is to solve our individual customers' problems. We are proud to say that our greatest value lies in our generalized ability to develop and provide optimal solutions for individual customers based on our extensive knowledge of thermoplastic piping materials and our commitment to work closely with our customers.



02

Thermoplastic Valves are Used in Ironworks, Chemical Plants, Semiconductor Plants, Agricultural Water Systems, and Aquariums

Since Asahi Yukizai began manufacturing thermoplastic valves in 1956, they have been used as must-have products by many customers in their ironworks, and their chemical, semiconductor, and other plants. In addition to factories, thermoplastic valves are also used to manage circulating filtration systems for water supply and sewerage systems, agricultural water, aquariums, and aquaculture farms. We are committed to leverage the experience and technological capabilities we have cultivated over the years to continue to provide products and solutions that contribute to people's daily lives in a wide range of fields.



User company: YAMATO Co.,Ltd.

04

Solving Customers' Problems with One-Stop Solutions in Thermoplastic Valve Manufacturing and Sales

Along with thermoplastic valves — our core product — we manufacture and sell pipes, joints, and other products related to flow control. Building on our 60-plus years of experience in thermoplastic materials and big data, we also offer maintenance services including diagnosis for ultraviolet deterioration and ultrasonic diagnosis of valves and pipes, and engineering services that provide total solutions from piping design to installation. We are also engaged in the manufacture and sale of high-cleanliness fluoropolymer valves, which contribute to advancements in the field of semiconductors. These are some of the ways by which we provide solutions to our customers' problems.



List of Products and Solutions

ASAHI AV manual valve



Diaphragm valve Type 14

Full open/close operation, or valve operation performed manually

ASAHI AV automatic valve



Ball Valve Type 21·21α
Pneumatic Actuated Type AR

Full open/close operation, or valve operation performed automatically

ASAHI AV vinyl pipes and joints



Rigid polyvinyl chloride pipe

Pipes, joints, and related products made of various thermoplastics (PVC, HI-PVC, Ultrapure PVC, C-PVC, PP)

Dymatrix™ high-performance thermoplastic valves



AVPV3 pinch valve

These thermoplastic valves meet the needs in semiconductor and FPD processes

Falconics™ precision flow control devices



AVFCS2 flow controller for slurry

These high-precision flow control devices meet the needs in semiconductor and FPD processes

Mixworx mixer



AVTDM time difference mixer

These mixer and high suction ejector products reduce mixing irregularities in the flow direction

Engineering services



Engineering services

Various services including tank design and fabrication, piping design and installation, piping prefabrication, fabrication of various processed thermoplastic products, structural analysis, piping stress analysis, SV dispatch, and piping deterioration diagnosis

List of Products and Solutions



Customer Testimonial

Kamogawa Sea World

Protecting Living Creatures with Reliable Valves.

Valves from 50 years ago are still in service.

Kamogawa Sea World opened in October 1970. We celebrated our 50th anniversary in 2020, and we have been doing business with Asahi Yukizai since the beginning. In particular, one of the products we absolutely trust and continue to use is the "ASAHI AV Valve." The three main types of valves we use are diaphragm valves, ball valves, and butterfly valves. Asahi Yukizai was the first in the world to develop thermoplastic valves in the 1950s and 1960s. Prior to that, water pipe valves were made of metal and these would corrode in rather short order due to seawater and other factors. This meant they had to be replaced frequently.

Piping maintenance entails enormous cost, time, and effort. This issue was solved at one stroke with the arrival of thermoplastic valves that are resistant to seawater and chemicals. I've heard that these thermoplastic valves were actually a significant factor in the opening of Kamogawa Sea World.

At our aquarium, the water in the pools and tanks where fish and marine animals live is essentially circulated and filtered. If the water becomes polluted, or its temperature or hydrogen ion concentration (pH) deviates from the correct values, in extreme cases, this could be fatal for the creatures in our care. The reason we continue to use Asahi Yukizai's products is to protect the 800 precious species of living creatures that live here.

The largest pool in our aquarium, the orca pool, has a water volume of approximately 4800 cubic meters. The pool is connected to multiple systems including eight pressurized rapid filtration units and circulation pumps. Each rapid filtration unit and pump combination has a processing capacity of four cubic meters per minute, so eight of these are able to replace 32 cubic meters of water per minute. This large volume of water (seawater) needs to be circulated and changed, so it's for this very reason that all the valves in our piping must reliably open and close as we intend. Otherwise, it will immediately lead to deteriorated water quality. It's hard to find products that reliably accomplish this over extended periods of time. The fact that we can keep water quality clean, and visitors are able to see the beautiful, colorful fish is proof that Asahi Yukizai's valves are doing their job well.

We have Asahi Yukizai valves here at Kamogawa Sea World that we have been using for 50 years from the time the aquarium first opened. The metal bolts and nuts on the valves' connections are showing some rust, but the valve units themselves still continue to function without any failure. We run multiple circulation and filtration systems in parallel in case of any emergency. For example, if one system fails due to a broken valve, other systems can cover for it. But this will inevitably have a negative impact on the system's circulation and filtration performance. Since systems in aquariums cannot be allowed to stop, I can't tell you how important it is that these parts are unbreakable.

Valve & Piping Systems

Asahi Yukizai manufactured the world's first thermoplastic valves for industrial applications in 1956, and since then, we have been an industry leader in technological development and solutions, providing essential products for ironworks, chemical plants, aquariums, semiconductor plants, and other industries around the world. Based on our safe and reliable sealing technology, reliable flow channel design technology, and innovative thermoplastic synthesis technology cultivated over 60-plus years, we provide experienced sales, knowledgeable technical support, and maintenance services to solve our customers' problems.

Chemical Plants

For chemical plants that handle strong acids and alkalis, we offer corrosion resistance rated products that can be used under severe conditions.

Ironworks

As an example, all the surfaces of lines where iron is washed with acid, and not only their chemical flow paths, must be highly corrosion resistant and provide operational reliability.

Non-Ferrous Refineries

Processes for refining underground metal resources require high corrosion resistance to strong acid and alkali chemicals.

Water Supply and Sewerage Systems

Chemical lines used for disinfection treatment require high accuracy, reliability, and durability.

Semiconductor Plants

Semiconductor and LCD panel manufacturing processes require high corrosion resistance to chemicals and precise flow control technologies.

Agriculture

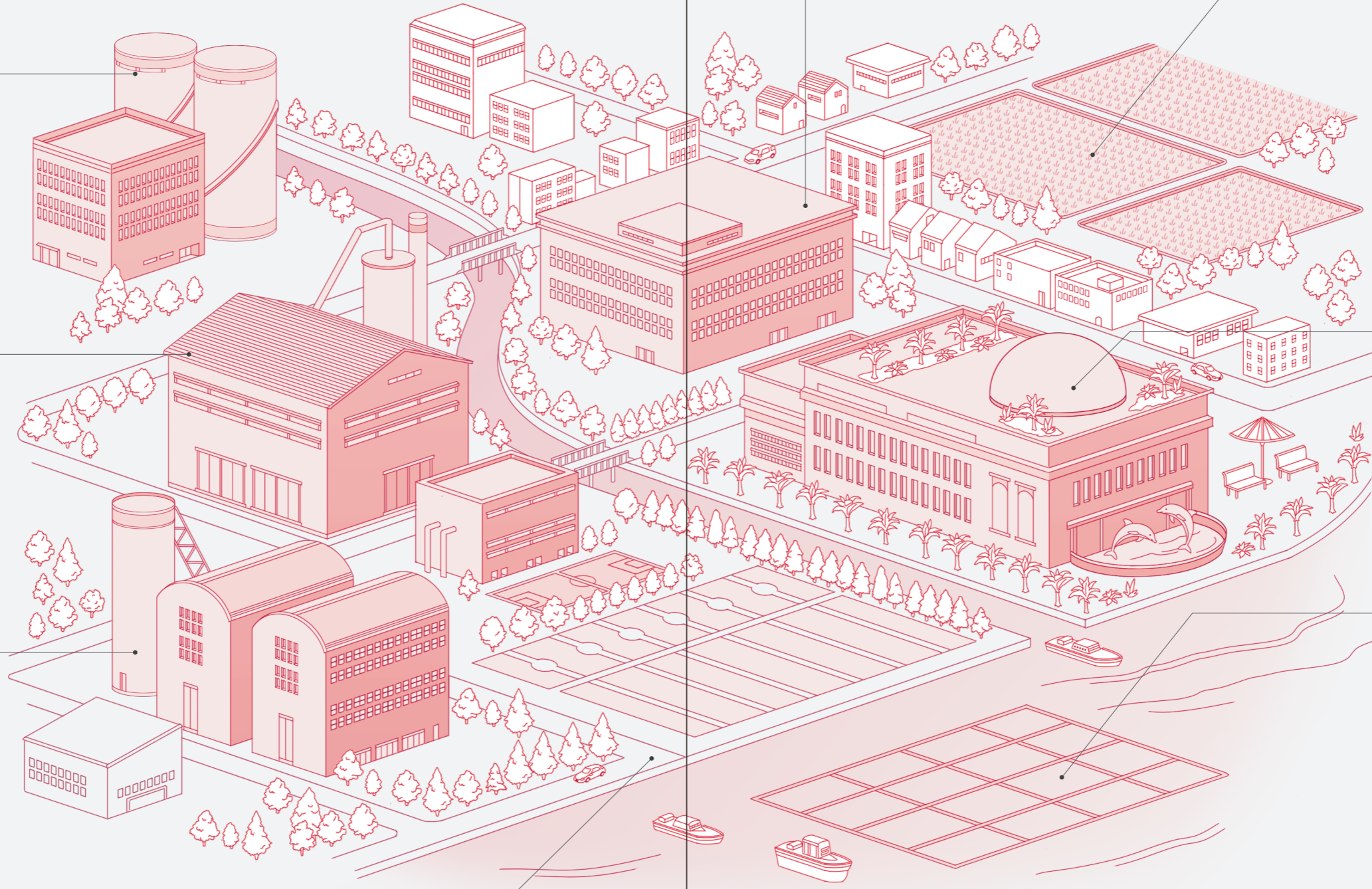
Due to the high durability and corrosion resistance of thermoplastics, they are used for irrigation pipes, gate valves, air vent valves, and automatic water faucets in fields and paddies.

Aquariums

Fish and aquatic organisms are adverse to metal ions, so thermoplastic valves, pipes and joints that do not leak these ions, and do not corrode in seawater are essential in aquariums.

Aquaculture Farms

Our products are used in fish, oyster, and other aquaculture farms due to their resistance to corrosion from seawater and long-term operational stability.



Features of our Valve & Piping Systems Business

Asahi Yukizai for your thermoplastic valve needs



01

Providing Resin Products in Fields Including Automotive, Housing and Construction, and LCDs and Semiconductors

Armed with our core technologies, i.e., the polymerization and synthesis of phenolic resins that deliver excellent heat resistance, flame resistance, and wear characteristics, we manufacture and market resin products that are needed in industries such as automotive, housing and construction, and LCDs and semiconductors. Leveraging our strengths as the largest manufacturer of both casting resins and resin-coated sand — essential materials particularly in casting processes for producing disc brakes and other products in the automotive industry — we are able to respond to diverse requests with attention to detail.



03

Pursuing the Possibilities of Resins to Meet Our Customers' Needs

By utilizing the advantages of phenolic resins and adding unique features to meet the challenges of our customers, Asahi Yukizai's resin products have been used in leading-edge industrial fields. While Asahi Yukizai has developed resin products for casting, industrial, electronic, foaming, and molding materials, there are still many more different areas where resins can potentially be used. We are committed to continue to create a wide range of products to push the envelope of possibilities of phenolic resins, and meet the demands of our manufacturing customers' operations on the floor.



02

Asahi Yukizai's Resin Business is One of the Unseen Foundations of Our Everyday Lives and Industry

Asahi Yukizai's resin business started with the manufacture and sale of molding materials. We may be inconspicuous, but our resin products are used in products that everyone is familiar with. Asahi Yukizai's resin products are used in a wide range of fields, including in the form of materials used in brake pads and tires for automobiles, polyurethane foam for flame-retardant insulation in homes, and photoresists (photosensitive resins) used in the manufacturing process of semiconductors and LCD panels.



04

Developing Environmentally-Friendly Products that Meet the Needs of Our Times

We live in an era where companies are required to implement measures to combat global warming and take other responsible actions for the environment. In the field of foamed materials, Asahi Yukizai launched a new thermal insulation system, Zero-Freon® ER-X in 2016. Zero-Freon® ER-X is a revolutionary foaming material that provides a low global warming coefficient while maintaining high thermal insulation effectiveness, and is also compliant with the Green Purchasing Law. We are committed to exercise our advanced technological capabilities to fulfill our corporate social responsibilities through the development of products that meet not only the needs of our customers but also the needs of the times and our societies.



List of Products and Solutions

Resin products for casting



These materials are used to make sand molds for casting, and comprise a group of functional phenolic resin products that give functions such as adhesiveness to sand.

Products for housing and construction



We not only manufacture materials used for building insulation, but also provide total solutions ranging from on-site installation to the design and development of installation machinery.

Electronics materials



Sand products for casting



These materials are used to make sand molds for casting, and comprise a group of sand products where each individual particle of sand is coated with functional phenolic resin.

Products for civil engineering



These materials are used in tunnel construction and repair work, and comprise a group of products with the function of reinforcing and stabilizing the ground.

These materials are used to make photoresists that are used in semiconductor and liquid crystal manufacturing, and comprise a group of products with functions such as heat resistance and low metal content to meet the requirements for making finer circuit patterns.

List of Products and Solutions



Customer Testimonial

Taisei Shell Co., Ltd.

We are Committed to Continue Our Research to Contribute to the Growth of the Casting Industry.

Better quality through support in the areas of products and service

We were able to build up customer trust together with Asahi Yukizai.

Taisei Shell established its Shimane Factory in 1977 to begin its full-scale core production. At the time, we had little knowledge of "resin coated sand" (RCS), a sand product for casting, but through trial and error and by aiming for higher quality cores, we were able to increase our customer base of foundries. This was at a time when foundries' requirements were becoming very diverse, and we were increasingly receiving orders that involved higher degrees of difficulty. We wanted to meet our customers' needs as much as possible.

When we set up our Shimane Factory, we were initially purchasing our RCS from a local company. We didn't have access to other products so we would hit a wall every now and then when we were having problems with the RCS. That's when we learned about Asahi Yukizai. We consulted with Asahi Yukizai about a problem we were having, and they suggested we use an improved RCS as a way to solve the issue. This led to us solving the problem. As the number of challenging customer requests increased, so did our consultations and volume of business with Asahi Yukizai. Currently, more than 90% of the RCS we use comes from Asahi Yukizai. Their RCS is available in a wide variety of brands depending on the resin that is used to coat the sand. Each of these brands has excellent characteristics, and when we come across a problem, we can adjust their blend ratios to quickly resolve the problem. I believe this is possible because Asahi Yukizai is the only RCS manufacturer in Japan that handles everything from resin development to production.

We also find it very reassuring that the people we work with at Asahi Yukizai are all very diligent in their research, and frequently visit our company to work with us to solve problems. Quality in the casting industry, including core production, is affected not only by materials and production methods, but also by temperature, humidity, and many other factors. For this reason, no matter how much research we do or how much we refine our technologies, as long as we are doing that on our own, we would not be able to produce high quality cores. Asahi Yukizai's continued research in casting from their standpoint as an RCS manufacturer has helped us improve the quality of our cores. This combination of Asahi Yukizai's support in the areas of both product and services, and our technology is what enables us to meet a wide range of customer needs.

We started out with only five employees when we built our Shimane Factory, and we are now a company of 140 employees. It was because we worked closely with Asahi Yukizai to meet our customers' needs and built up trust over the years that we have been able to grow to where we are today. There are still many things we do not know about casting, and in order to produce high-quality cores, it has become more important than ever to exchange and share information with Asahi Yukizai since it has businesses around the world. By carrying out ongoing discussions and mutual research on the many challenges in casting in Japan and internationally, we should be able to contribute to the growth of our company as well as the casting industry. We look forward to continue to work with Asahi Yukizai to solve many of these casting problems.

Resin

Our resin business, which started with molding materials, is based on our advanced proprietary evaluation technologies. And armed with our core technologies, i.e., the polymerization and synthesis of phenolic resins, this business has now expanded to general industrial fields such as refractory materials and tires, to the casting industry which is currently central to our business, and also to cutting-edge electronic materials and on-site foam insulation materials. Particularly in the field of casting, we are the largest manufacturer in Japan of both casting resins and resin coated sand, both of which are essential in the automotive industry, and we are able to offer detailed support with the diverse casting characteristics we offer.

Semiconductors

Asahi Yukizai's resins for electronic materials are used as raw materials for semiconductors, LCD panels, and printing plates.

LCD Panels

Insulation

Asahi Yukizai's resins for foaming materials are used in insulation for homes.

LED

Transmissions

Engines

Suspension Systems

Brake Pads

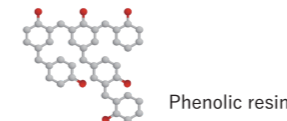
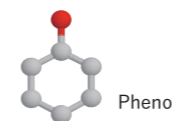
Disk Brakes

Automobiles are an essential part of our daily lives, and Asahi Yukizai's resins are used in the manufacturing process of a variety of automotive parts, as well as in lightweight parts to improve strength and substitute for metals.

Tires

What are phenolic resins?

These products are made by polymerizing phenol, the raw material, and is available in solid and liquid forms for different applications. They have excellent heat resistance and strength, and are used in general applications such as for kettle handles, and products with new added characteristics in addition to the intrinsic characteristics of phenolic resin are used in cutting-edge fields in many industries.



01

Providing Integrated Solutions for Water Treatment and Natural Resources Development

DRICO Corporation, which plays a central role in the water treatment and water resources development business as a member of the Asahi Yukizai Group, has been working with advanced drilling and underground exploration technologies, and cultivated a vast amount of data over the past 70 years. We leverage these strengths to engage in a wide variety of businesses, including grey water reuse (the recycling of wastewater from commercial buildings and facilities), water treatment for water supply and sewage facilities, drilling and development of underground resources such as geothermal wells and hot springs, development of environmental chemicals that are needed in water treatment processes, and maintenance. We pursue "value-added water production" and contribute to society through water.



03

Able to Make Proposals that are Both Economical and Environmentally Friendly

Grey water systems that reuse wastewater from commercial buildings and other facilities not only make effective use of water resources, but also help reduce water bills. At factories, we provide ways to reuse wastewater, and also purify them so that they can be discharged into public waters. We also offer facilities that provide the optimum water quality for industrial water applications. In addition to water treatment, we operate in the fields of environmental chemicals where we handle water treatment enhancing chemicals and deodorants containing our proprietary microorganisms, and underground resource development that makes full use of our advanced drilling technologies. Through these three business domains, we are able to offer proposals that are both economical and environmentally friendly.



02

Active in Various Aspects of Society as a Manufacturer that Specializes in Water

DRICO's facilities, which derive from the company's advanced expertise in water treatment, are being deployed for grey water reuse at the Haneda Airport Terminal Building and Tokyo Midtown, and for wastewater treatment at plants in industries such as glass manufacturing and food. We have an extensive track record of deploying these facilities in public water and wastewater facilities throughout Japan. Meanwhile, with respect to resource development, we have drilled more than 300 hot springs throughout Japan, including the Ikaho Hot Springs (Gunma Prefecture) and the Phoenix Seagaia Resort (Miyazaki Prefecture). We hold the record for both the number of wells drilled and total drilling length (350 km) in Japan. In addition, we are also highly regarded for our diverse range of drilling technologies, including for drilling research wells, production wells, and reduction wells, all of which are essential in the field of geothermal power generation which is a promising source of renewable energy.



04

System in Place that Allows Our Customers to Operate their Various Facilities Safely and with Peace of Mind

Our work does not end with simply providing equipment to our customers. We have maintenance service and emergency response service systems in place for the facilities we have designed and constructed — grey water plants, septic tanks, industrial wastewater facilities, and hot spring facilities — to ensure that our customers are able to continue to use these facilities safely and with peace of mind. We purify and return water and other resources that are obtained from nature back to nature again. To this end, DRICO is committed to working with our customers to realize environmentally friendly, recycling-oriented societies by leveraging our cutting-edge technologies and extensive experience.



Water Treatment & Natural Resources Development

Hydrothermal resource development and supply

Water and wastewater treatment in industry



Geological survey consultancy

Comprehensive consulting services in geology, soil investigation, and other fields



Well-drilling and geothermal development

We address an extensive range of customer needs with our innovative drilling technology.



Hot spring development

Total project development for hot spring development, ranging from hot spring drilling to the design and construction of utilization systems, hot spring wastewater treatment, and maintenance.



Industrial wastewater treatment facilities

We address customer needs with a variety of water treatment technologies, with a view of reusing wastewater.

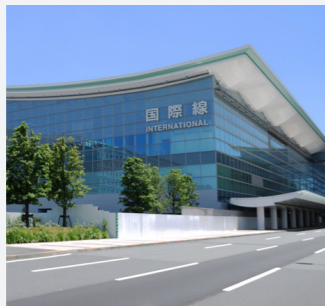
Design and construction of water supply facilities, and wastewater reuse

Maintenance services



Drinking water and industrial water

We propose optimal systems based on raw water quality and customer requirements.



Grey water and recycled water

We contribute to the effective use of water resources with various grey water reuse systems that make full use of our advanced technological capabilities.



Domestic wastewater

We contribute to the creation of comfortable lifestyles based on construction techniques cultivated through years of experience.



Water treatment, hot spring facilities, etc.

We support stable supplies of water resources based on technology cultivated over many years.

Resource development business



We operate some of the largest projects in the field of well drilling in Japan, including geothermal power development and hot spring development.

Water treatment business



We design and construct various types of water and sewage facilities, with a focus on grey water reuse facilities that circulate wastewater from buildings.

Environmental chemicals business



We develop deodorizers, oil and grease decomposition agents, and other chemicals needed in water treatment and grey water treatment processes.

Maintenance business



Since we have in-house maintenance services for facilities we design and construct, we are able to provide full support for our customers' facilities.

List of Products and Solutions



Customer Testimonial

JDC Corporation

DRICO's Ability to Make Proposals is Essential for Growing New Businesses.

A group of hot spring experts with the most experience in drilling hot springs in Japan
Flexible and fast response to a wide range of water treatment requirements

JDC Corporation has owned approximately 40 hectares (ha) of idle land on the hillside of Mt. Izumigatake (Sendai City, Miyagi Prefecture) since the mid-1970s. Our project which makes use of 9.58 ha of that land based on the theme of creating new tourism resources is IZUMI PEAK BASE. The concept of a campground with hot springs has been in the works from the very beginning, so we decided to conduct a survey of sources of hot springs.

We understood that we had to be very diligent with our survey because failure to find any hot springs would derail our concept. It was at about this time that we learned of DRICO and their extensive experience in hot spring development. The deciding factor in contracting hot spring development to DRICO — in addition to our impression that the company was a professional in the field of hot springs because they had geological experts working in-house — was that they had the most extensive track record of hot spring drillings, their field of expertise, in Japan.

Results from our survey showed that there was in fact a source of hot spring under our land, so we asked DRICO to install a pumping system and hot spring piping in addition to performing the drilling. Among other things, we wanted to pump hot spring water at the highest possible temperature to reduce CO2 emissions and boiler fuel costs. When we consulted with DRICO, they offered multiple proposals regarding pumping equipment and the different pumping systems that could be employed. Their explanations were detailed, carefully laid out, and enough to convince us. We are proud to say that the hot water pumping facility that we installed provides excellent heat retention, and has proven to be greatly satisfying for our users.

At IZUMI PEAK BASE, we commissioned DRICO to provide various other water treatment-related facilities in addition to our hot spring facilities, including septic tanks, water well drilling, and well water treatment facilities for turning well water into potable water. While we solicited competitive quotes for the water wells, we decided to place this order also with DRICO as an addition to the hot spring development. This was because they presented a short construction time at a reasonable cost. During construction, they not only addressed our wide range of requests, but were also available for repeated consultations when issues were found and addressed these issues flexibly and responsively. We have also been very happy with their after-sales service after we opened, which includes frequent facility inspections and prompt resolution to any problems.

Actually, at the time we asked DRICO to drill our hot spring, we did not know that DRICO was also involved in operating water wells and wastewater treatment facilities. As we proceeded with the development of the hot spring, they repeatedly gave us various other suggestions based on their extensive know-how and advanced technical capabilities. That is why we eventually came to see that they could help us in areas other than hot springs. What was more, they have the responsiveness and speed in handling projects because they design and build these facilities in-house, and this was reassuring for us in entrusting our projects with them.

We will be further enhancing IZUMI PEAK BASE by expanding into facilities No. 2 and No. 3, and eventually growing our camp & workcation facility development business into one of the key pillars of our operations. DRICO's excellent proposals on water treatment were essential to the development of IZUMI PEAK BASE. We would be very grateful if we can work with them again in our next phase of development.



Water Treatment & Natural Resources Development

The Water Treatment and Natural Resource Development business, which is primarily run by DRICO Corporation which became an Asahi Yukizai group company in September 2013, has been pursuing the "creation of value-added water" and contributing to society through water. As a pioneer in the development of underground resources with a track record of developing some of Japan's leading hot springs, and our active initiatives in resource development, including geothermal development, which is gaining prominence as a clean energy source, our aim is to create environmentally friendly, recycling-oriented societies.

Industrial wastewater treatment facilities

We provide total engineering services related to water, including industrial water and wastewater treatment at factories and other facilities.

Hot spring facilities

We offer total hot spring development from source investigation, drilling, design and construction of hot water supply facilities, to wastewater treatment, and maintenance.

Grey water reuse facilities

DRICO has the leading market share in grey water systems that reuse used water in buildings and commercial facilities.

Geothermal power plants

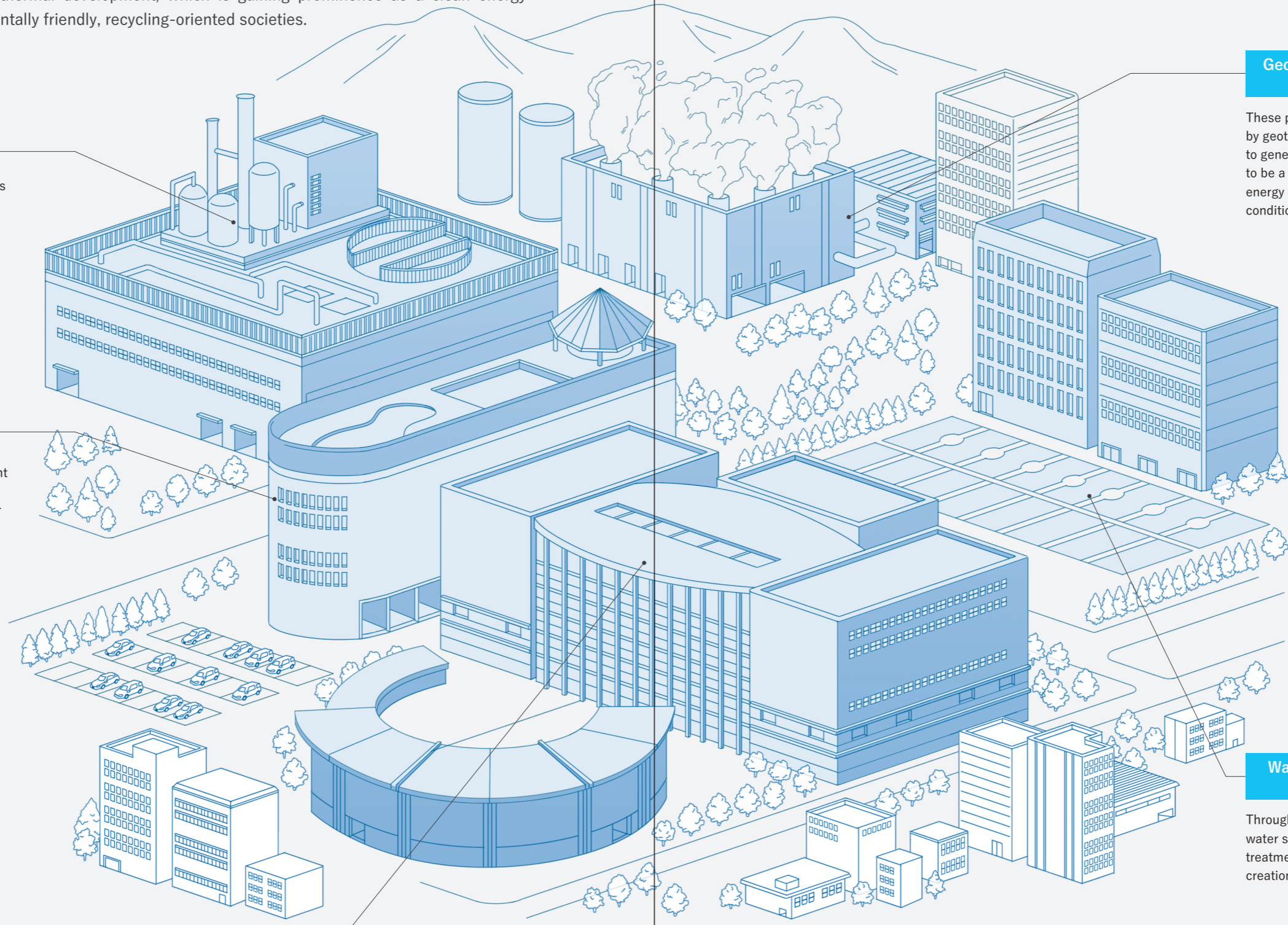
These power plants use steam heated by geothermal energy to drive turbines to generate electricity. This is expected to be a stable source of renewable energy as it is not affected by weather conditions.

Water and sewage facilities

Through the design and construction of water supply facilities and sewage treatment facilities, we contribute to the creation of comfortable lifestyles.

Features of the Water Treatment and Natural Resource Exploitation business

DRICO Corporation <https://www.drico.co.jp/>



Product History

Valve & Piping



1956

ASAHI AV thermoplastic valve was born.
Began manufacturing of the world's first all-plastic molded stop valve.



1959

Developed the world's first streamlined plastic diaphragm valve.



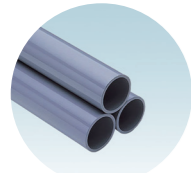
1965

Began manufacturing of PVC ball.
First plastic ball valve made in Japan.



1967~1969

Developed butterfly valve.



1974

Began manufacturing of PVC pipes.



1977

Developed compact ball valve.



1980

Developed C Gate valve.



1985

Developed large-diameter butterfly valve made of FRP.

1945

Resin

1950

Began mass production of phenolic resin molding materials.



1954

Began manufacturing and sales of shell mold resins.



1963

Developed resin coated sand.



1980

Developed molding materials for electronic components.



1987

Developed constant flow rate valve.



1993

Developed automatic water tap valve for agriculture.



1995

Developed ball valve Type 21.



1997

Developed diaphragm valve Type 14.



2000

Began manufacturing of the Dymatrix™ series.



2003

Developed large-diameter butterfly valve made of PDCPD.



2011

Developed Falconics™.



2018

Developed AR type pneumatic rotary actuator.



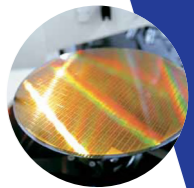
2021

Developed Z type electric rotary actuator.

2023

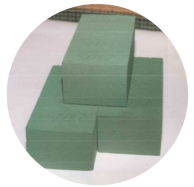
1988

Began manufacturing of resins for electronics.



1989

Began supplying flame retardant Grade 2 phenolic urethane resin systems for on-site foaming.



2009

Launched Zero-Freon® system for on-site foaming.



2012

Launched foaming material for solidifiers.



Please visit the Asahi Yukizai website for more about our history.



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| <p>March 1945</p> <p>November</p> <p>November 1950</p> <p>April 1952</p> <p>June 1954</p> <p>July 1963</p> <p>May 1964</p> <p>October</p> <p>April 1968</p> <p>February 1974</p> <p>March</p> <p>October 1991</p> <p>October</p> <p>January 1992</p> <p>March 1996</p> <p>November 1998</p> <p>November 1999</p> <p>February 2000</p> <p>June 2001</p> <p>March 2004</p> <p>December 2005</p> <p>December 2006</p> <p>October 2008</p> <p>March 2011</p> <p>August 2012</p> <p>November</p> <p>May 2013</p> <p>July</p> <p>September</p> <p>April 2014</p> <p>August</p> <p>October</p> <p>February 2016</p> <p>April</p> <p>December</p> <p>October 2017</p> <p>April 2018</p> <p>April</p> <p>July 2019</p> <p>November</p> <p>December 2021</p> | <p>Nicchitsu Kozai Kogyo Co., Ltd. was established with a capital of 2 million yen as a subsidiary of Nicchitsu Chemical Industry Co., Ltd. (currently Asahi Kasei Corporation) to manufacture reinforced wood for aircraft applications.</p> <p>The company was renamed Asahi Veneer Industry Co., Ltd., and shifted its operations to the manufacture and sale of phenolic resin molding materials, synthetic resin molding products, and plywood.</p> <p>The company was renamed Asahi Organic Chemicals Industry Co., Ltd.</p> <p>Began manufacture and sales of ASAHI AV valves at Nobeoka Factory.</p> <p>Began manufacture and sales of shell mold resin at Nobeoka Factory.</p> <p>Constructed Shimonoseki Factory (Shimonoseki City, Yamaguchi Prefecture) to manufacture resin coated sand.</p> <p>Constructed Tone Factory (Koga City, Ibaraki Prefecture) and began manufacture of synthetic resin molding products and resin coated sand.</p> <p>Constructed Joban Factory to manufacture resin coated sand.</p> <p>Constructed Aichi Factory to manufacture shell mold resins and resin coated sand.</p> <p>Stock listed on the First Section of the Tokyo Stock Exchange.</p> <p>Constructed Kitakata Factory (Kitakata Town [currently Nobeoka City], Miyazaki Prefecture) to manufacture PVC pipes, and outsourced manufacture to the former Kitakata Plastics Processing Co., Ltd. (Kitakata Plastics Co. Ltd).</p> <p>Constructed Laboratory and Research Center (Nobeoka City, Miyazaki Prefecture).</p> <p>Constructed Hiroshima Factory (Shobara City, Hiroshima Prefecture) to manufacture resin coated sand.</p> <p>Closed Shimonoseki Factory (Shimonoseki City, Yamaguchi Prefecture).</p> <p>Constructed Tochigi Factory (Ohtawara City, Tochigi Prefecture) to manufacture resin coated sand. Closed Tone Factory (Koga City, Ibaraki Prefecture) and Joban Factory (Iwaki City, Fukushima Prefecture) the same year.</p> <p>Installed PVC pipe manufacturing equipment at Tochigi Factory (Ohtawara City, Tochigi Prefecture).</p> <p>Acquired all shares of Asahi/America, Inc. (currently a consolidated subsidiary).</p> <p>Built Amori Factory (Nobeoka City, Miyazaki Prefecture) to strengthen the piping materials engineering division.</p> <p>Adopted a dual head office system (Nobeoka Head Office and Tokyo Head Office), and adopted a two business division system (Valve & Piping Systems business and Resin business.)</p> <p>Constructed the Laboratory and Research Center (Fuso-machi, Aichi Prefecture) to perform R&D for the Resin Business Division.</p> <p>Established Asahi Organic Chemicals Trading (Shanghai) Co., Ltd. (currently a consolidated subsidiary).</p> <p>Established Asahi Organic Chemicals (Nantong) Co., Ltd. (currently a consolidated subsidiary).</p> <p>Established ASAHI ORGANIC CHEMICALS TRADING (SHANGHAI) Ltd. (currently a consolidated subsidiary).</p> <p>Closed Kitakata Factory (Nobeoka City Town, Miyazaki Prefecture) and dissolved Kitagata Plastics Co. Ltd.</p> <p>Constructed upgraded manufacturing factory for manufacturing phenolic resins for casting at Aichi Factory.</p> <p>Established ASAHI MODI MATERIALS PRIVATE LIMITED Pvt., Ltd. (currently a consolidated subsidiary).</p> <p>Asahi Organic Chemicals (Nantong) Co., Ltd. newly constructed a factory for phenolic resins for electronic materials.</p> <p>Asahi Organic Chemicals (Nantong) Co., Ltd. expanded its factory for resins for casting.</p> <p>Acquired all shares of DRICO., Ltd. (currently a consolidated subsidiary).</p> <p>The Water Treatment and Resource Development Control Headquarters is created, making this a three-division operation.</p> <p>Established ASAHI KOREA, Ltd. (currently a consolidated subsidiary).</p> <p>Established ASAHI AV Europe GmbH (currently a consolidated subsidiary).</p> <p>Established ASAHI ASIA PACIFIC PTE. Ltd. (currently a consolidated subsidiary).</p> <p>The company was renamed ASAHI YUKIZAI CORPORATION.</p> <p>Established ASAHI YUKIZAI MEXICO S.A. de C.V. (currently a consolidated subsidiary).</p> <p>Acquired additional shares of Daiwa Kosan Co. Ltd. (currently a consolidated subsidiary).</p> <p>Acquired additional shares of Asahi AV Sangyo Co. Ltd.</p> <p>Subsidiaries Asahi Yukizai Shoji Co., Ltd., and Asahi AV Sangyo Co. Ltd. merged, and the company was renamed Avitop Corporation (currently a consolidated subsidiary).</p> <p>Acquired all shares of Rand Wick Co., Ltd. (currently a consolidated subsidiary).</p> <p>Asahi Kanbi Water Treatment (Suzhou) Co., Ltd. began operations (currently a consolidated subsidiary).</p> <p>Chose the Tokyo Stock Exchange Prime Market</p> |
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Valve & Piping Systems Business Division

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| Sapporo Sales Office | KDX Sapporo Kitaguchi Bldg. 8F, 4-17-1 Kita 7-jo Nishi, Kita-ku, Sapporo, Hokkaido 060-0807 TEL: 011-746-7710 FAX: 011-746-7714 |
| Tokyo Sales Office | Ueno Frontier Tower 21F, 3-24-6 Ueno, Taito-ku, Tokyo 110-0005 TEL: 03-5826-8829 FAX: 03-3834-7592 |
| Nagoya Sales Office | KDX Nagoya Nichigin-mae Bldg. 4F, 1-4-16 Nishiki, Naka-ku, Nagoya-shi, Aichi 460-0003 TEL: 052-222-8533 FAX: 052-222-8233 |
| Osaka Sales Office | Imon Kawaramachi Bldg. 7F, 4-5-9 Kawaramachi, Chuo-ku, Osaka 541-0048 TEL: 06-4707-1080 FAX: 06-4707-1088 |
| Fukuoka Sales Office | Hakata Ekiminami R Bldg. 8F, 1-8-13 Hakata Ekiminami, Hakata-ku, Fukuoka-shi, Fukuoka 812-0016 TEL: 092-413-8700 FAX: 092-413-8722 |
| AV Global Promotion Dept. | Ueno Frontier Tower 21F, 3-24-6 Ueno, Taito-ku, Tokyo 110-0005 TEL: 03-5826-8831 FAX: 03-3834-7592 |

Resin Business Division

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| Material Processes Sales Dept. East Japan Sales Group | 1840 Aza Higashiyama, Kamiishigami, Otawara, Tochigi 324-0037 TEL: 0287-29-1881 FAX: 0287-29-2828 |
| Material Processes Sales Dept. Central Japan Sales Group | 26-4 Niitsu, Oaza Minamiyamana, Fuso-cho, Niwa-gun, Aichi 480-0105 TEL: 0587-92-9111 FAX: 0587-29-9110 |
| Material Processes Sales Dept. West Japan Sales Group | 5088-61 Aza Oji, Shinjocho, Shobara, Hiroshima 727-0004 TEL: 0824-72-8011 FAX: 0824-72-8003 |
| Overseas Business Promotion Dept. Electronics materials | Ueno Frontier Tower 21F, 3-24-6 Ueno, Taito-ku, Tokyo 110-0005 TEL: 03-5826-8834 FAX: 03-3834-7592 |
| Foaming Materials Sales Dept. Insulation Sales Group and Market Development Group | Ueno Frontier Tower 21F, 3-24-6 Ueno, Taito-ku, Tokyo 110-0005 TEL: 03-5826-8833 FAX: 03-3834-7592 |

Head Office

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| Tokyo | Ueno Frontier Tower 21F, 3-24-6 Ueno, Taito-ku, Tokyo 110-0005 TEL: 03-5826-8820 FAX: 03-3834-7590 |
| Nobeoka | 2-5955 Nakanose-cho, Nobeoka, Miyazaki 882-8688 TEL: 0982-35-0880 FAX: 0982-35-9350 |

Factories

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|---------------------|---|
| Nobeoka Works | 2-5955 Nakanose-cho, Nobeoka, Miyazaki 882-8688 TEL: 0982-35-0880 FAX: 0982-35-9350 |
| Amori Techno Center | 1176-1 Amori-machi, Nobeoka, Miyazaki 882-0071 TEL: 0982-23-5800 FAX: 0982-23-5810 |
| Aichi Factory | 26-4 Niitsu, Oaza Minamiyamana, Fuso-cho, Niwa-gun, Aichi 480-0105 TEL: 0587-93-1030 FAX: 0587-93-8850 |
| Tochigi Factory | 1840 Aza Higashiyama, Kamiishigami, Otawara, Tochigi 324-0037 (RCS) TEL: 0287-29-1881 FAX: 0287-29-1711 (Pipes) TEL: 0287-29-1879 FAX: 0287-29-1729 |
| Hiroshima Factory | 5088-61 Oji, Shinjocho, Shobara, Hiroshima 727-0004 TEL: 0824-72-8011 FAX: 0824-72-800 |

Water Treatment and Resource Development Business

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| DRICO Corporation | Nihonbashi Sunrise Building 3F, 2-13-10 Nihonbashi, Chuo-ku, Tokyo 103-0027 TEL: 03-6262-1421 FAX: 03-6262-1431 |
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Domestic Group Companies

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| Avitop Corporation | Matsumura Building 4F, 6-16-20 Ueno, Taito-ku, Tokyo TEL: 03-6284-2591 |
| Daiwa Kosan Co. Ltd | 7-19-18 Hirai, Naka-ku, Okayama City, Okayama TEL: 086-277-5111 |
| Rand Wick Co., Ltd. | 2-11-16 Mizuhai, Higashiosaka City, Osaka TEL: 072-966-1332 |

Overseas Office and Group Companies

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| Dubai Office | ASAHI YUKIZAI CORPORATION Middle East Branch 6WB344 Dubai Airport Free Zone, Dubai, UAE P.O. Box No. 371674 TEL: +971-4-331-7753 |
| ASAHI/AMERICA,INC | 655 Andover street, Lawrence, MA 01843 USA TEL : +1-781-321-5409 FAX : +1-978-685-3010 |
| ASAHI ORGANIC CHEMICALS TRADING (SHANGHAI) LTD. | 2007-2008, 2299 YAN AN ROAD WEST, SHANGHAI 200336, CHINA TEL :+86-21-6278-7862 FAX :+86-21-6278-7892 |
| ASAHI AV VALVE (SHANGHAI) CO.,LTD. | No.18, Shanghai Malu Fengdeng Industry City, 615 Fengdeng Road, Malu Town, Jiading District, Shanghai 201818, CHINA TEL :+86-21-6139-2600 FAX :+86-21-6139-2606 |
| ASAHI ORGANIC CHEMICALS (NANTONG) CO., LTD. | No.21 Tong Wang Road, Nantong ETDZ, Jiangsu, CHINA 226017 TEL :+86-513-8359-2400 FAX :+86-513-8359-3400 |
| ASAHI MODI MATERIALS PRIVATE LIMITED | Plot No.913, Jhagadia GIDC, Dist. Bharuch, Gujarat-393110 India TEL : +91-79-4008-1200/01/02 |
| ASAHI KOREA CO., LTD | #805-D Digitaempire office, 16, Deogyeong-daero 1556beon-gil, Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea TEL : +82-31-203-2050 FAX : +82-31-203-2880 |
| ASAHI AV Europe GmbH | Westendstrasse 16-22, D-60325 Frankfurt am Main, Germany TEL : +49-69-7137303-0 |
| ASAHI ASIA PACIFIC PTE. LTD. | 209 Woodlands Avenue 9 #05-57/58 Singapore 738959 TEL : +65-6755-8033 FAX : +65-6754-7033 |
| ASAHI YUKIZAI MEXICO S.A. de C.V. | Calle Carretera Panamericana Sur KM 114 + 354, Interior 7 Colonia Parque Industrial FINSA en la ciudad de Aguascalientes, Ags. CP 20393 TEL : +52-449-129-3252 |
| ASAHI AFRICA (PTY) LTD | ASAHI AFRICA (PTY) LTD (Trading as CELTECH PIPE SYSTEMS) Unit 34 Airborne Park, Taljaard Road, Bartlett, Boksburg, 1459 RSA TEL : + 27-11-397-4353 |