A. Water
Working with customers and society to find answers in water

What flows through all industries even today? What has great potential to offer solutions to social issues? The answer is "water".

At the Kurita Group, our mission is to help human society and the natural environment coexist in prosperous harmony through water, by widely applying the technologies we have cultivated in water treatment.

We will think about what we can do to solve social problems, such as water resource shortages and global warming, in pursuit of value that only the Kurita Group can provide.

Finding answers in water and changing the world with water together with customers and society – this is what we do at the Kurita Group.

A. Water
Corporate Philosophy

Study the properties of water, master them, and we will create an environment in which nature and man are in harmony.

Kurita Group will contribute to facilitate the coexistence and shared prosperity of the natural environment and human society by creating shared value with society through water.

Kurita Group will generate new functions and value for water, through further exploration and exploitation of the fundamental properties of water.

Each individual of Kurita Group will adopt its customers’ point of view and solve their water and environmental issues, by making full use of its unique technologies, products and services.

Corporate Vision

“A Creator of unique value to the solution of water and environment”, contributing to the realization of a sustainable society.

Kurita Group will seek to create shared value with society such as environmental preservation and the effective use of resources, and will realize its corporate philosophy, by continuing to innovate and through businesses contributing to the natural environment, industry and people’s lives.

Kurita Group will, as an indispensable partner, create value for customers such as “pursuit of safety”, “productivity enhancement” and “reduction of environmental impact”.

Kurita Group will evolve its “service business” and will provide customers, at speed, with comprehensive solutions making full use of Kurita’s technologies, products and services in chemicals, facilities and maintenance.

Aiming for “A creator of unique value to the solution of water and environment”

Since its founding in 1949, Kurita Water Industries has been consistently contributing to the development of industry and society by providing solutions to issues related to water and the environment. Our arena has been expanding from Japan to the world. As a global company, we aim to achieve further growth. Celebrating the 70th anniversary, we are renewing our determination as a leading company in water treatment to create new value and respond to the needs of both society and customers worldwide.

Globalism and the rapid progress in digitalization in recent years have been influencing not only economic and industrial development but also the shape of society itself, having created new issues in the global environment. The environment surrounding us is changing at a tremendous speed. Society is becoming more and more complicated and the values that are needed are diversifying. We have entered an age of unpredictability.

In this environment, the Kurita Group started to implement the Medium-Term Management Plan, “Maximize Value Proposition 2022 (MVP-22)”, in April 2018. In the plan, we review our missions reflected in our Corporate Philosophy of “Study the properties of water, master them, and we will create an environment in which nature and man are in harmony”, define CSR as the Kurita Group’s responsibility for its impacts on society, and position CSR at the heart of its management strategy. While innovations for solving global issues are required, we are making a sustained effort to create value that the Group shares with society as the “Creator of unique value to the solution of water and environment” set forth in our Corporate Vision. We position “solving water resource issues”, “sustainable use of energy”, “waste reduction”, and “advance in production technologies in industries” as social issues that we should address. We aspire to identify the essence of the value that is required and achieve value that only Kurita can achieve.

The Kurita Group will continue to provide comprehensive solutions that will create value as a water treatment company engaging in the Water Treatment Chemicals business, Water Treatment Facilities business, and maintenance services in business areas that deal with water and the environment. We aim to maximize customer intimacy and become an entity that is trusted by stakeholders worldwide.

I hope that we can count on your continued support.

President

Mitsuya Kadota
Providing value to customers to create a sustainable society

The Kurita Group provides the value demanded by customers and aims to create shared value with the society that lies ahead. We will fulfill our responsibility for the future by providing unique solutions to issues associated with water and the environment.

Society

- **01** Solve issues related to water resources
- **02** Realize sustainable energy use
- **03** Reduce waste
- **04** Advance industrial production technologies

Create shared value with society

Customers

- Water saving/effective use of water resources
- Energy saving
- Reducing and recycling waste
- Improvement of production efficiency and product quality

Provide value to customers

Clarify shared issues of customers and society

KURITA GROUP
Kurita has developed a new wastewater reclamation system incorporating cutting-edge technologies, such as IT sensing technology, by combining its technologies and expertise in both chemicals and facilities. We developed this system to realize a good balance between water resource supply and demand, by reclaiming and recycling water for regions and customers facing shortages.

A system that can reclaim any wastewater and that is simple and usable for all customers will make it possible to create value in water reclamation and recycling in any industry and region. A system that can reclaim any wastewater and that is simple and usable for all customers will make it possible to create value in water reclamation and recycling in any industry and region.

Kurita will continue to pursue initiatives to secure and make effective use of the water needed for the development of people’s lives and industries, believing that its mission is to solve water resource problems on the global level.

What is essential for sustaining people’s lives and industries?

A. Water

Our Approach

Providing the value of water reclamation and recycling to all industries and regions

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01 Solve issues related to water resources

Water circulates on earth continuously and supports people’s lives and industries. However, the supply-demand balance of the water resources is being lost. Water shortages have become a serious problem all over the world and the quickest possible solution is required.

Working together with customers, Kurita has created technologies for utilizing water with maximum efficiency, such as a technology for the complete (100%) recycling of wastewater in the manufacturing process. We will realize effective utilization of water resources by widely applying our technologies for saving, purifying, and recycling water to secure the water needed for the development of people’s lives and industries. Each one of these initiatives supports the circulation of water resources on our planet.
What is the key to the efficient, effective use of energy?

Energy demand has been expanding with the ongoing increase in the global population. This has been accompanied by an increase in greenhouse gas emissions, causing major climate change including global warming. The question of how to use energy efficiently to optimize energy use in everyday life and in industries has gained prominent attention as a social theme for realizing a sustainable society.

Since its foundation, Kurita has been providing products and technologies that contribute to improving the energy efficiency of boilers and various other facilities. We pursue the effective use of energy together with customers and also commit ourselves to initiatives for using heat energy efficiently based on our technologies for water.

**Our Approach**

**Realize optimal use of water and heat**

In a factory, a vast amount of energy is consumed for making steam, hot water, and cold water, which are used for heating and cooling. What is necessary for ensuring the efficient use of energy is to recover heat from the atmosphere and water and to make effective use of the heat as energy, in addition to using water chemicals to improve the heat efficiency of factory equipment, such as boilers, cooling tower, and manufacturing equipment. Kurita is focusing its efforts on an initiative to make good use of not only water but also heat contained in water by using a heat pump to transfer heat efficiently from hot water to cold water. Kurita will realize sustainable use of energy by promoting optimal use of water and heat in an overall factory.

**Realize sustainable energy use**

Kurita will realize sustainable use of energy by promoting optimal use of water and heat in an overall factory.
What can achieve recycling with no waste?

A. Water

03 Reduce waste

Waste generated daily from the system of mass-production and mass-consumption in society has an impact on the global environment, including pollution and the destruction of ecosystems. Solving these issues will require initiatives for reducing waste and facilitating the recycling of resources. Kurita has been taking steps to reduce the waste generated in the factory wastewater treatment process and recycling it into resources, using its distinctive water treatment technologies such as biological treatment. We will continue to provide solutions for realizing zero waste together with our customers and local communities.

Our Approach

Creating resource-recycling society in a community-wide manner

Instead of simply reducing waste from factories, Kurita aims to create a system for reducing waste and recycling it into resources in a community-wide manner. The core technology for the system is biogas power generation. Waste collected in the community, such as industrial waste from factories and household food waste, is reduced by applying a methane fermentation process. In addition, biogas generated in this process is used for generating power, which is supplied to the community as energy. Further, residue generated in the process can be recycled into construction materials and other resources. Based on our initiatives ranging from the receipt of waste to its recycling, we aim to build a new resource-recycling society together with local communities.
What will bring about the next innovation in factories around the world?

A. Water

Optimizing water treatment for the entire factory using IoT/AI

Production facilities
Air-conditioning equipment
Boiler
Electric power facilities
Water quality
Energy data
Data on customer’s operation
Experience and knowledge of engineers

The evolution of the Internet of Things (IoT) and artificial intelligence (AI) is set to bring great change to industry. In a smart factory, where IoT has been introduced, all events in the factory are converted into digital data, which are used for improving productivity and quality, making effective use of resources and energy, and other purposes. At present, Kurita positions IT sensing technology as the foundation for solutions and provides a service of visualizing the status of water treatment with a unique system that it developed independently. Having been engaged in water treatment in customers’ manufacturing processes and utilities, Kurita has a vast store of water-related data. We aim to use the data not only for water treatment facilities but also for efficiency improvement and stable operation of the entire factory.

What will bring about the next innovation in factories around the world?

Our Approach

Aiming to realize smart factory together with customers

Kurita has been contributing to customer productivity improvements by preventing issues with water treatment facilities through analyses of quality and operation data and by analyzing their correlations with customers’ manufacturing data. Moving forward, we will seek to optimize water treatment in the entire factory by making full use of IoT/AI. We will convert our many years of experience and expertise in water treatment, as well as water quality, facility maintenance history, and status of energy use, into digital data. We aim to provide high value-added solutions, which reflect the impact on automatic operation of water treatment facilities and customers’ production on a real-time basis, by analyzing all of the above data and controlling facilities accordingly.

Kurita will realize smart factories together with customers, thereby contributing to innovation in production technologies in factories all over the world.

04 Advance industrial production technologies

04 Advance industrial production technologies

Create shared value with society
Creating new value by integrating all the capabilities of the Kurita Group

To cater to diverse customer needs, the Kurita Group provides comprehensive solutions by integrating its capabilities and combining its diverse products, services, and technologies in water treatment chemicals, water treatment facilities, and maintenance services. We seek to create new value which contributes to customers and society, by creating business models that are not limited to the provision of products or technologies, transcending existing frameworks of business.

Kurita's businesses enabling comprehensive solutions

Comprehensive solutions from the Kurita Group are enabled by its businesses in a broad range of areas related to water and the environment. In addition to our mainstay water treatment chemicals business, water treatment facilities business, and maintenance service business, our other operations include a soil and groundwater remediation business, which remediates polluted lands, an ultrapure water supply business, in which we sell water demanded by customers, and a tool cleaning business, in which we clean parts of customers’ manufacturing equipment at the Kurita Group’s factories, and water quality analysis/environmental analysis.

Customers

Value demanded by customers

- Water saving/effective use of water resources
- Energy saving
- Reducing and recycling waste
- Improvement of production efficiency and product quality
Providing comprehensive solutions by combining individual solutions

Kurita owns a wealth of water treatment solutions for factory water systems. We are ready to provide solutions for all processes, from entrance toexit, for factories in every industry. We create further value by providing comprehensive solutions that combine various solutions to customers’ issues.

### Water saving/effective use of water resources

**RO membrane water treatment**
This solution uses water treatment chemicals to prevent dirt from adhering to RO membranes used for wastewater reclamation and seawater desalination. The chemicals are used to remove suspended substances, which degrade the filtration performance of the membranes.

**Wastewater reclamation**
We contribute to the effective utilization of water resources by using water treatment systems that reclaim and recycle wastewater.

**Comprehensive solution**

### Energy saving

**Boiler water treatment**
We prevent the deterioration of thermal efficiency in boilers by using water treatment chemicals that prevent issues and ensure efficient operation.

**Chemical cleaning/plant facilities cleaning**
We use chemicals and high-pressure water to cleanse deposits that accumulate in boilers, heat exchangers and plumbing to ensure that large-scale plant facilities—such as those found in industrial complexes and electric power plants—continue to operate safely and efficiently.

**Cooling water treatment**
We use water treatment chemicals for the cooling systems of factories and buildings to prevent trouble caused by water, help improve the energy efficiency of the systems, and prevent propagation of Legionella bacteria.

**Comprehensive solution**

### Reducing and recycling waste

**Wastewater treatment**
We treat wastewater appropriately using water treatment systems that purify various types of industrial wastewater as well as water treatment chemicals that are effective at removing suspended solids and dehydrating and deodorizing sludge.

**Treatment related to civil engineering and construction**
We use a range of chemicals for greenspace development, construction sludge treatment, and sprayed concrete dust reduction, for example.

**Treatment related to incineration and biomass power generation**
We help reduce the impact on the environment by using chemicals for the consistent treatment of hazardous substances, such as heavy metals contained in the fly ash, and chemicals that control the emissions of dioxins.

**Comprehensive solution**

### Case example | Recycled water supply service

This service collects various types of wastewater generated at plants and supplies water (recycled water) that has been purified to a water quality level that can be reused in production processes, etc. We install a wastewater reclamation system that integrates chemicals, devices, IT, and sensing technologies on the premises of the plant and provide total services, ranging from operation management to maintenance. In doing so, we contribute to the effective use of water resources at customer sites in every industry.

### Case example | Solution for geothermal power plants

In the last ten years Geothermal Power industry quadrupled its capacity and it is expected to be used widely as renewable energy. Hydrobio Advance Geo and Kuntherm product range are the perfect partner for Geothermal systems with a complete solution that supply chemicals, equipment and solutions for geothermal power plants. Kuntherm product range helps to prevent scale adhesion to pipes and heat exchangers of geothermal power plants, thereby maintaining efficient heat exchange with the hot water (steam) returned to the ground, which was an issue associated with geothermal power generation. It thus enables more efficient geothermal power generation, contributing to energy conservation and the sustainable use of energy.

### Case example | Methane fermentation system

The methane fermentation system generates biogas, a renewable energy, by applying a methane fermentation process to waste. Kurita has both dry and wet methane fermentation technologies and enables waste to be recycled into resources by providing optimal treatment systems for customers’ biomass materials, harnessing the knowledge in biotreatment it has cultivated through wastewater treatment. We further reduce waste by combining this system with our own technologies, such as the ANAMMOX process, a nitrogen removal system for high-efficiency treatment of high-concentration wastewater that is generated in wet methane fermentation.
Water quality analysis/contamination remediation

Soil and groundwater contamination remediation
We seek to alleviate the risk of soil and groundwater contamination for customers by conducting assessments and remediation of soil and groundwater contaminated with harmful substances. We also provide services to diagnose soil contamination risks associated with real-estate transactions and support the effective use of remediated lands.

Water quality analysis/Environmental analysis
We provide a wide range of analysis services. They include analyses and testing of water for diverse applications and with various qualities, ranging from ultrapure water to wastewater. They also include environmental analyses of atmosphere, gases, and soils and analyses and contract testing of pharmaceuticals and cosmetics.

Comprehensive solutions

Ultrapure water production
Using water treatment systems that employ various water treatment technologies, we produce water that is close to the theoretically pure water by removing impurities to the maximum. The water is used for cleaning customers’ products and contributes to improving yield.

Tool cleaning
At our own factories, we clean and remove deposits that adhere to parts and jigs of customers’ manufacturing equipment for semiconductors, liquid crystal displays, and other products.

Other solutions

Swimming pool-related solutions
We provide a wide range of swimming pool-related solutions, from the design and construction of swimming pools, water slides, fountains, and other facilities to the after-sales services and operation management of those facilities.

Chemical dosing management and control
We achieve the optimal water quality management and stable operation of facilities by using equipment including chemical dosing systems and automatic boiler and cooling water quality control systems.

Water treatment management with the IT sensing technology
We globally provide S.sensing, a service in which our unique sensing devices are installed in customers’ factory equipment for remote monitoring of water quality and other elements for optimizing water treatment on a real-time basis. We contribute to ensuring stable facility operation and optimizing the use of water and energy by visualizing the statuses of water treatment in the overall factory.

Manufacturing water treatment chemicals
We manufacture water treatment chemicals of more than 4,000 standards for use in factories and buildings, with comprehensive consideration given to reducing the impact on the environment by acquiring ISO14001 certification. For water treatment chemicals used in food factories, dedicated production lines are set up to achieve a high level of sanitary management and safety.

Process treatment for petroleum, iron and steel, and paper and pulp
We use water treatment chemicals to help maintain and improve production efficiency and product quality in the manufacturing process in oil-refining and petrochemical, iron and steel, and paper and pulp industries.

Treatment in automobile painting booths
We use water treatment chemicals that separate residual paint contained in water in automobile painting booths. We thus ensure that circulating water is of appropriate quality, thereby preventing problems on the production line.

Water treatment for various industries
We use water treatment systems to manufacture water that meets various industrial needs, including water for pharmaceutical use, such as injectable drugs and eye medications, water for manufacturing foods and beverages, and boiler water for use in the electric power and steel industries.

We provide solutions that contribute to improving production efficiency and product quality in customers’ manufacturing processes.

We seek to alleviate the risk of soil and groundwater contamination for customers by conducting assessments and remediation of soil and groundwater contaminated with harmful substances. We also provide services to diagnose soil contamination risks associated with real-estate transactions and support the effective use of remediated lands.

We provide a wide range of analysis services. They include analyses and testing of water for diverse applications and with various qualities, ranging from ultrapure water to wastewater. They also include environmental analyses of atmosphere, gases, and soils and analyses and contract testing of pharmaceuticals and cosmetics.

In the ultrapure water supply service, Kurita installs and owns facilities in customers’ factories and provides comprehensive water treatment services. In doing so, we consistently supply ultrapure water with guaranteed quality and quantity, thereby helping customers to ensure stable product quality and improve productivity. Taking advantage of our accumulated data and expertise in water treatment chemicals and facilities and their operation management, we optimally control the operation of water treatment facilities in response to fluctuations in water quality and quantity, thereby reducing the consumption of energy, such as electric power and steam, compared to the amount of water supply. Moreover, using IoT/Big data, we analyze data on the water supply temperature, water quantity, wastewater load, and other elements to evolve our solutions for realizing the stable operation of water treatment facilities and those for optimizing energy use.

The KURITA DW technology adds a water-repellent property to the metal surface of a heat exchange, where steam is condensed, and reliably removes water film, which acts as a thermal resistance, to improve thermal conductivity. Because this chemical has a water-repellent function and produces effects without complicated procedures such as initial processing, simply by continuously adding it to the steam line right before the targeted heat exchanger, it can be applied while production equipment is in operation. We apply this solution to paper, pulp, and other industries.

We provide solutions that contribute to improving production efficiency and product quality in customers’ manufacturing processes.

We provide a wide range of analysis services. They include analyses and testing of water for diverse applications and with various qualities, ranging from ultrapure water to wastewater. They also include environmental analyses of atmosphere, gases, and soils and analyses and contract testing of pharmaceuticals and cosmetics.

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Evolving into a world-leading water treatment company with the establishment of platforms in four regions of the world

The Kurita Group is strengthening the foundations of its business to provide comprehensive solutions on a global level. Starting with the acquisition of a water treatment chemicals business in Europe in 2015, we have been building our business presence in a number of regions, for instance with the acquisition of a U.S.-based water treatment chemicals manufacturing and sales company, the establishment of bases in Vietnam and the United Arab Emirates. Since 2018, the Group has been focused on expanding growth opportunities. It has made a U.S. venture firm, a pioneer in the use of AI in the water utility industry in that country, a subsidiary and has acquired a major water treatment company in the United States.

We will continue to accelerate business development as One KURITA, aiming to establish a global platform built on the four pivotal regions of Japan, Asia, Europe, and the Americas.
Studying the properties of water and mastering them to bring about the next generation of technological innovations

Research and development are the driving force for the creation of new value that solves issues faced by customers and society. We are bolstering our technological infrastructure, which will lead to the next generation of technological innovations, by further improving the water-related technologies that we have been cultivating for many years as a technology-driven company. We are developing new technologies and rapidly creating new businesses by promoting open innovations and applying advanced technologies such as IoT/AI.

Strengthening technological infrastructure and pursuing development

To continue providing value into the future by taking advantage of the technological capabilities that are Kurita’s strength, we have added fluid and process analysis to our technological infrastructure and have been working on the deep cultivation of core technologies and the development of advanced technologies and solutions.

For the creation of new businesses

Kurita is pursuing collaborations with various companies and partners to create new businesses. In December 2016, we invested in APANA Inc. of the United States and have since been promoting the application of technologies related to monitoring and big data analysis of water consumption, which use an IoT radio communication technology owned by APANA Inc. In May 2018, we made Fracta, a U.S. venture firm, our subsidiary, aiming to create and expand new digital businesses. This venture firm serves the water utility industry in the United States with a software service of predicting water mains degradation by applying artificial intelligence and machine learning.

Promotion of open innovation

Kurita is proactive in working on open innovation. In 2017, we established Kurita R&D Asia Pte. Ltd. in Singapore, which attracts companies and research institutions related to water treatment from all over the world. We are stepping up industry-government-academia collaboration through activities including joint research with local universities in the fields of water treatment membrane and water recycling technologies. We will accelerate the creation of new value by applying technologies and solutions owned by other companies.
Positioning CSR at the core of management, aiming to achieve our corporate philosophy

The Kurita Group’s corporate philosophy, which states “Study the properties of water, master them, and we will create an environment in which nature and man are in harmony”, clearly shows that the final objective of business activities of the Group is the creation of shared value with society. Based on the social mission that is reflected in this corporate philosophy, we have positioned CSR at the core of our management strategies. We will pursue CSR initiatives with the aim of being an essential entity for society.

CSR Policy

In 2018, the Kurita Group identified seven material issues by defining CSR for the Group and classifying the purposes of its CSR initiatives. We then established our CSR Policy, which describes our vision and mindset for 2030.

Provide solutions to issues related to water and the environment, and fulfill responsibility for the future

<table>
<thead>
<tr>
<th>Priority themes</th>
<th>Initiatives toward 2030</th>
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<tbody>
<tr>
<td>Basic themes</td>
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<tr>
<td>1. Provide highly safe services and products</td>
<td>Maintain social trust by developing and providing services and products reflecting considerations for safety, health, and the environment.</td>
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<tr>
<td>2. Conduct fair business activities</td>
<td>Maintain fair and transparent trade based on free competition. Maintain sound relationships with politics and administration.</td>
</tr>
<tr>
<td>4. Solve issues related to water resources</td>
<td>Supply water at the optimum quality and quantity by securing as much water as necessary for the life of all people and the development of industry by applying technologies for saving, purifying, and reusing water.</td>
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<tr>
<td>5. Realize sustainable energy use</td>
<td>Optimize energy use in living and in industries, and introduce technologies for creating energy throughout society.</td>
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<tr>
<td>6. Reduce waste</td>
<td>Introduce technologies for using waste as resources and technologies for controlling the amount of waste and aim to achieve zero waste.</td>
</tr>
<tr>
<td>7. Advance industrial production technologies</td>
<td>Make full use of big data on water to contribute to innovations in production efficiency and product quality in industries.</td>
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Themes for growth opportunities

For creating shared value with society

The Kurita Group regards the four themes for growth opportunities, which are specified in its CSR Policy, as management issues of particular importance and is pursuing initiatives to create shared value with society. We will tackle the issues that confront society, taking advantage of our experience from operating businesses consistently in the field of water and the environment since our founding.

Activities of the Kurita Water and Environment Foundation

The Kurita Water and Environment Foundation is a public interest incorporated foundation that was established in 1997 with contributions to its basic fund made by Kurita Water Industries Ltd. The Foundation provides subsidies and other forms of support for research, studies, and international exchanges related to water and the environment, thereby contributing to the development of a society that promotes harmony between the nature and humans. As one of their main activities, the Foundation publicly seeks grantee projects conducted by Japanese and Asian researchers each year. In fiscal 2019, they subsidized 125 projects that had been determined through examination.

Environmental improvement activities

Kurita Environmental Month

We hold the Kurita Environmental Month every year to raise awareness of environmental improvement activities among employees and promote these activities.

Social contribution activities

Activities in local communities

The Kurita Group is taking part in activities for revitalizing local communities where its business bases are located, aiming to achieve harmonious coexistence with these communities. In fiscal 2019, Kurita-GK Chemical Co., Ltd. participated in a nest building activity for protecting marine endangered animals in the local area and supported activities to beautify the environment in each region.

CSR initiatives

Each employee of the Kurita Group engages in CSR activities based on our corporate philosophy, aiming to contribute to achieving a sustainable society and to make the Kurita Group a corporate group that is trusted by society.

Water access support

With the aim of supporting people who are socially weak with a problem of water safety due to conflict, poverty, or tight usable fresh water resources, we provided support grants to the Japan Center for Conflict Prevention and WaterAid Japan, which are active mainly in Africa.

Support for areas affected by disaster

To support people who were affected by the earthquake that occurred in Indonesia in September 2018 and its accompanying tsunami and assist in the recovery of the region, Kurita Water Industries Ltd. and PT Kurita Indonesia made a monetary donation of total 1 billion IDR (approximately 7.6 million yen) via the Red Cross.

For creating shared value with society

Four themes for creating shared value with society

- Solve issues related to water resources ———— P07
- Realize sustainable energy use ———— P09
- Reduce waste ———— P11
- Advance industrial production technologies ———— P13
Kurita will continue to pursue value creation with customers and society.

1949 Supporting postwar reconstruction with boiler water treatment chemicals
Kurita Water Industries Ltd. is founded. The company starts selling boiler water treatment chemicals based on boiler technology for large ships.

1951 Entry into the water treatment facilities business
Capitalizing on sales of Deoxip for the pretreatment of boiler water supplies, Kurita moves into the water treatment facilities business, thus developing its business into a comprehensive water treatment business covering chemicals and facilities.

1973 Supporting the development of the electronics industry with ultrapure water
As water of a higher degree of purity is needed to further miniaturize the semiconductor manufacturing processes, Kurita develops an ultrapure water production technology, marking its entry into the electronics industry.

2002 Launch of ultrapure water supply business
Launch of outsourcing business in which Kurita operates and manages facilities for customers, supplying them with ultrapure water.

2003 Realizing complete (100%) recycling of wastewater
Kurita realizes complete (100%) recycling of wastewater at an LCD panel manufacturing plant with a wastewater escalation system and recycling system using membrane filtering and biological treatment.

2005 Development of a water recycling and demonstration system for use in outer space
Kurita develops a next-generation water recycling system that is compact and energy-efficient and achieves a water recycling rate of 85% or higher, aiming for installation in the International Space Station.

2017 Acquires additional equity of equity method affiliate Hanusi Co., Ltd., making it a consolidated subsidiary.

2018 Acquires a stake in Fracta, Inc., a U.S. startup, and makes the company its subsidiary.


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TEL: +81-6-6756-1911

Miyazaki Sales Branch
7-3-44, Nakamura Higashi, Miyazaki-shi, Miyazaki 880-0904
TEL: +81-988-53-5000

Kansai Sales Branch
15-3, Sakuradai, Kita-ku, Osaka 542-0036
TEL: +81-6-6228-4800

Miyagi Sales Branch
7-3-44, Nakamura Higashi, Miyazaki-shi, Miyazaki 880-0904
TEL: +81-988-53-5000

Shikoku Sales Branch
2-7-2, Otsu-shi, Koseki-ku, Okayama 701-0826
TEL: +81-86-423-7723

Yoshida Sales Branch
1001-3, Sakata, Osaka-shi, Osaka 540-0031
TEL: +81-6-6743-8001

Kumamoto Sales Branch
1-31, Nonencho, Himeji-shi, Hyogo 670-0961
TEL: +81-71-24-3250

Yamanashi Sales Branch
1-1-3, Sakuradai, Kita-ku, Osaka 542-0036
TEL: +81-6-6743-8001

Kure Sales Branch
7-3-44, Nakamura Higashi, Miyazaki-shi, Miyazaki 880-0904
TEL: +81-988-53-5000

Yokkaichi Sub-branch
2509-1, Nakamuracho, Yokkaichi-shi, Mie 512-8944
TEL: +81-593-330-1186

Kitakami Sub-branch
6-4, Kitakami-shi, Kitakami-shi, Iwate 024-0102
TEL: +81-197-62-7300

Nagoya Sub-branch
5-4, Sakaya, Nagoya-shi, Nagoya 452-0001
TEL: +81-6-6743-8001

Toyonoura Plant
1020, Kawasato, Toyohashi-shi, Aichi 444-8523
TEL: +81-58-54-1211

Sub-branches

Kawasaki Sales Branch
1-16-12, Sakuramachi, Tsuchiura-shi, Ibaraki 300-0037
TEL: +81-990-81-8001

Yamaguchi Sub-branch
1, Wakaizumicho, Tsuruga-shi, Fukui 916-0032
TEL: +81-44-211-7271

Kawasaki Sales Branch
17-13, Shinmachi, Chuo-ku, Chiba-shi, Chiba 260-0028
TEL: +81-43-238-7711

Koura Plant
5-4, Sakaya, Nagoya-shi, Nagoya 452-0001
TEL: +81-6-6743-8001

Hiroshima Sub-branch
710-71, Mitohubushii, Saijo-shi Tagun, Hiroshima 739-0036
TEL: +81-812-425-2346

Tottori Plant
2-444-3, Sakai-shi, Sakai-shi, Osaka 592-0008
TEL: +81-72-320-9200

Nagasaki Sub-branch
3000-1, Osaza Gensi, Kikuyamachi, Kikuchi-gun, Kumamoto 869-1102
TEL: +81-96-29-6511

Iwakuni Sub-branch
3-16-22, Marufumachi, Iwakuni-shi, Yamaguchi 759-6301
TEL: +81-83-988-1251

Kumamoto Sub-branch
1-31, Nonencho, Himeji-shi, Hyogo 670-0961
TEL: +81-71-24-3250

Tottori Sales Branch
3-117-2, Minami Yoshikata, Tottori-shi, Tottori 680-0843
TEL: +81-857-23-1588

Plant

Shizuoka Plant
1020, Kawasato, Toyohashi-shi, Aichi 444-8523
TEL: +81-58-54-1211

Toyonoura Plant
1, Wakaizumicho, Tsuruga-shi, Fukui 916-0032
TEL: +81-44-211-7271

Nagoya Sales Branch
1020-1, Kunita, Nagano-shi, Nagano 380-0921
TEL: +81-26-269-0021

Tsuruga Plant
1, Wakaizumicho, Tsuruga-shi, Fukui 916-0032
TEL: +81-44-211-7271

Yokkaichi Sub-branch
2509-1, Nakamuracho, Yokkaichi-shi, Mie 512-8944
TEL: +81-593-330-1186

Nagoya Sub-branch
5-4, Sakaya, Nagoya-shi, Nagoya 452-0001
TEL: +81-6-6743-8001

Kameyama Sub-branch
464, Kogawa, Kameyama-shi, Kameyama-shi, Mie 519-0169
TEL: +81-593-84-6467

Miyagi Sales Branch
7-3-44, Nakamura Higashi, Miyazaki-shi, Miyazaki 880-0904
TEL: +81-988-53-5000

Nagoya Sales Branch
1020-1, Kunita, Nagano-shi, Nagano 380-0921
TEL: +81-26-269-0021

Yokkaichi Sub-branch
2509-1, Nakamuracho, Yokkaichi-shi, Mie 512-8944
TEL: +81-593-330-1186

Nagoya Sub-branch
5-4, Sakaya, Nagoya-shi, Nagoya 452-0001
TEL: +81-6-6743-8001

Kameyama Sub-branch
464, Kogawa, Kameyama-shi, Kameyama-shi, Mie 519-0169
TEL: +81-593-84-6467

Miyagi Sales Branch
7-3-44, Nakamura Higashi, Miyazaki-shi, Miyazaki 880-0904
TEL: +81-988-53-5000

Kumamoto Sub-branch
4000-1, Osaza Gensi, Kikuyamachi, Kikuchi-gun, Kumamoto 869-1102
TEL: +81-96-29-6511

Domestic Offices of Kurita Water Industries

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Company Outline

Company Name
Kurita Water Industries Ltd.

Address
Nakano Central Park East, 4-10-1, Nakano, Nakano-ku, Tokyo 164-0001

Representative (President)
Michiya Kadota

Date of Establishment
July 13, 1949

Paid-in Capital
13,450 million yen

Net Sales for the Year Ended
March 31, 2019
259,409 million yen (Consolidated)
131,558 million yen (Non-consolidated)

Fiscal Year-End
March 31

Stock Exchange Listing
First Section of the Tokyo Stock Exchange

Transfer Agent
Sumitomo Mitsui Trust Bank, Ltd.

Number of Employees
6,613 (on a consolidated basis) 1,549 (parent company)

As of March 31, 2019

Consolidated Sales Amount by Segment

<table>
<thead>
<tr>
<th>Sales by Segment</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Treatment Chemicals</td>
<td>59,999</td>
<td>83,680</td>
<td>81,883</td>
<td>90,361</td>
<td>102,088</td>
</tr>
<tr>
<td>Water Treatment Facilities</td>
<td>129,399</td>
<td>130,692</td>
<td>132,304</td>
<td>146,453</td>
<td>157,321</td>
</tr>
<tr>
<td>Total Sales</td>
<td>189,398</td>
<td>214,372</td>
<td>214,187</td>
<td>236,815</td>
<td>259,409</td>
</tr>
</tbody>
</table>

* For the year ended March 31

Investor Information

Common Stock Authorized
531,000,000

Total Number of Shares Outstanding
116,200,694

Number of Shareholders
23,476

Major Shareholders
Japan Trustee Services Bank, Ltd. (Trust Account)
The Master Trust Bank of Japan, Ltd. (Trust Account)
Nippon Life Insurance Company
Kurita Water Industries Ltd.
Japan Trustee Services Bank, Ltd. (Trust Account 9)
BNYMSANV AS AGENT/CLIENTS LUX UCITS NON TREATY 1
Tokio Marine & Nichido Fire Insurance Co., Ltd.
Japan Trustee Services Bank, Ltd. (Trust Account 5)
MUFG Bank, Ltd.
JP MORGAN CHASE BANK 385151

Organization

General Meeting of Shareholders
Board of Directors
Audit & Supervisory Board
Member of the Audit & Supervisory Board
Executive Committee
President

Corporate Planning and Control Division
Research and Development Division
Next Generation Business Division
Engineering Division
Operational Improvement Group
Quality and Production Group
Engineering Group
Solution Business Division
Marketing Group
Solution Technical Group
Global Business Division
Operation Group
Japan Sales Business Division
Administration Group
East Japan Group
West Japan Group
Electronics Industries Group
Energy & Infrastructure Industries Group

Internal Audit Department