

Committed to Transforming the Future

MOTTO! ISK

Moving Forward!





Moving Forward to a Better Future

Supporting health and daily nutrition.
Delivering flowers displaying unique colors.
Brightening the world with beautiful white hues.
We have accomplished this by developing proprietary chemical technologies that leave a lasting impression and are essential to a fulfilling life. We will continue moving forward, without fearing change, toward a better future.
Going forward, we will remain committed to driving the evolution of industry through the power of chemistry.

Purpose

To continue contributing to better living environments through chemical technologies

The Three Strengths of ISK



1.

Ability to develop
proprietary technologies

Moving Forward! Introducing innovations that are both safe & unique



Learn more about
our products

Providing safe and secure nutrition to dining tables around the world

We conduct research and development of agrochemicals that are harmless to people, animals, and the environment. In order for an agrochemical to be registered for use in many countries, it must pass stringent safety evaluations. By promoting the use of new agricultural materials called biostimulants as well as biopesticides, which have been attracting an increasing amount of attention in recent years, we are supporting sustainable agricultural production to provide markets with a safe and stable food supply.

Agrochemicals
registered

in about
60 countries



Scan to
learn more

With our heartfelt commitment to staying close and supporting your beloved dogs' health

In recent years, the number of cases of pancreatitis in dogs has been increasing due to dietary changes and improvements in diagnostic technology. Canine pancreatitis can cause complications if it becomes severe, so early detection and appropriate treatment are critical. However, unlike human medicines that are widely available, the variety of veterinary medicines remains limited. To fight this disease, we have developed the world's first anti-inflammatory drug for the acute phase of canine pancreatitis. Our mission is to continue research and development of veterinary medicines so that companion animals and their owners around the world can live in greater health and happiness. We remain committed to pursuing innovation in this field, striving to enhance the quality of life.



Scan to
learn more

**The world's first
anti-inflammatory drug for
treating acute canine pancreatitis**

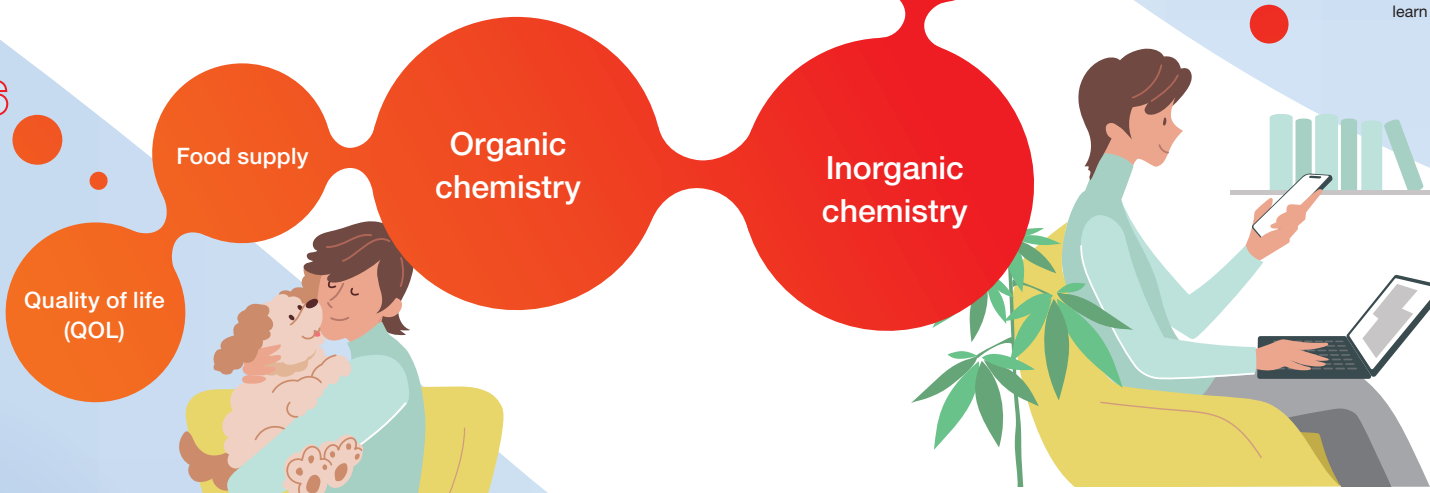
Blue phalaenopsis orchids that make an enchanting gift

Never previously available in a natural blue color, the attractive blue phalaenopsis orchid has become a unique and popular gift item. Our researchers set out with intention of creating an attractive phalaenopsis orchid in a beautiful blue hue. After 17 years of development, they succeeded in introducing the world's first blue phalaenopsis orchid "Blue Gene®." "Blue Gene®" will continue to be used for a variety of purposes and will continue to impress and amaze people.

**The world's first
blue orchid**



Scan to
learn more



Contributing to the beautiful white that enhances the world around us

White is the base for all colors, and titanium dioxide is the most widely used white pigment of the many available. Our titanium dioxide is used in residential housing, industrial products such as automobiles, cosmetics, chemical fibers, pharmaceuticals and many other applications. As we seek to accommodate the ever-growing demand for higher quality and greater added value, our beautiful white colorings are making the world around us even more beautiful.

*As of April 2024, according to our survey

Domestic titanium
dioxide production

No.1*



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Comfortable
living
environments

Healthy
ecology



Scan to
learn more

Contributing to better living through innovation

Smartphones, personal computers, and other electronic devices are required to exhibit ever-higher levels of functionality, accuracy, and compactness. Our high-purity titanium dioxide is used as a raw material for multilayer ceramic capacitors (MLCCs), the electronic components that are essential to these devices. By providing this innovative product, we are supporting the ongoing improvement and miniaturization of electronic devices that enrich our lives.

High-purity titanium dioxide

99.99% pure

Providing a never-ending series of solutions to environmental issues

Our heat-shielding materials, which spring from technologies we developed to produce titanium dioxide, play an important role in creating a living environment that is both comfortable and energy-efficient while reducing CO₂ emissions. We also make full use of by-products from the titanium dioxide manufacturing process, contributing to environmental improvements for the soil and groundwater.

We will continue to use our expertise in proprietary technological development to resolve environmental issues and create a safer and more secure living environment.

**For cleaner air, soil,
and water**
Our proprietary technologies



Scan to
learn more



Moving Forward! Pioneering the Future with Our Proprietary Technologies



Learn more about
our R&D initiatives

Our products of organic and inorganic chemistry have earned high praise both in Japan and around the world. Our expertise in proprietary technological development, which is demonstrated in these products, contributes to their high added value. We are eagerly taking on the challenge to create new value by employing the expertise we have accumulated since our founding. In the field of organic chemistry, which encompasses genetic modification, we focus on product R&D that provides nutrition for people around the world and maintains the health and longevity of companion animals. In the realm of inorganic chemistry, we will continue to conduct research and undertake development of products that support the environment and our information-reliant society by employing the titanium oxide technologies we have developed. We are also focusing on fine particle synthesis technology, all the while contributing to the emergence of a society committed to sustainability.



Pursuing Advanced Research and Development

Central Research Institute

Kusatsu City, Shiga Prefecture

All operations related to agrochemical research and development are housed in this relatively compact site covering 40,000 m². In recent years, we have also been developing expertise in floriculture by incorporating biotechnology while also pursuing R&D that contributes to the health of companion animals. We are proactively challenging ourselves to enter new fields by developing innovative businesses.



Central Research Institute

Accumulating Chemical Technology and Expertise

Technical Research Institute

Yokkaichi City, Mie Prefecture

Our Technical Research Institute is responsible for undertaking research and development of inorganic chemical products. It is also involved in the search for new technologies, product development, and development of applications for existing products. Moreover, it pursues improvements to production technology and plays an important role in training personnel with technical skills. In addition, about 20% of our personnel involved in R&D specialize in production technology, and they support the world-class production system at the Yokkaichi Plant.

Pursuing the industry's lowest-cost agrochemical manufacturing processes

Scheduled to begin operation in December 2025

Technology Research Center, Hyogo-Ono

Ono City, Hyogo Prefecture

This research facility seeks to establish production technology aimed at reducing the cost and enhancing the stability of manufacturing that is outsourced to companies located outside Japan. By driving the evolution of manufacturing technology, we aim to achieve a stable supply of agrochemicals by adopting the world's lowest-cost manufacturing processes, thereby increasing our market share worldwide.

Technology Research Center, Hyogo-Ono (rendering)



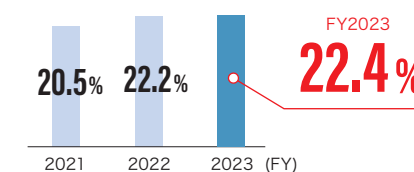
Systems to inspire engineers and researchers

As a manufacturer with a focus on research and development, ISK employs engineers and researchers engaged in technological development. These talented individuals are the source of our competitiveness and growth potential. For this reason, we have established a variety of systems to support our engineers and researchers with the aim of improving their skills and contributing to our performance and the development of our business.

Learn more about
our support for developers



Ratio of employees assigned to R&D positions (non-consolidated)



The Special Contributor Award System
Monetary awards (per project)

Level 1: 20,000,000 yen
Level 2: 10,000,000 yen
Level 3: 5,000,000 yen



Quality improvement

Environmental consciousness

Manufacturing systems

Production technology

Manufacturing capabilities

Human resources



Developing our human resources and sharing our manufacturing capabilities



Learn more about our production technology

Our goal is to achieve the industry's most cost-effective manufacturing combined with stability of supply. The Technology Research Center, Hyogo-Ono is responsible for conducting research on how to scale-up the production of new products such as the agrochemicals developed at the Central Research Institute and improving manufacturing methods for existing products in order to reduce costs.

In the agrochemical business, we manufacture products mainly by outsourcing production to companies outside Japan. By employing manufacturing technologies and test data developed at the research center, we seek to start up production of new products smoothly at commercialization facilities and develop new manufacturing processes for existing products. To achieve cost reductions, we transfer these technologies to our outsourcing partners in a rapid manner.

The driving force behind this initiative is our people. At this facility, we provide our younger employees with opportunities to experience manufacturing on a larger scale. Moreover, to support the stable production of agricultural crops around the world, we are training personnel with global experience and are sharing our manufacturing expertise.

2.

Ability to accommodate quality and environmental requirements

Moving Forward! Meeting challenges with an eye to the future

Committed to balancing quality improvements with environmental considerations



Learn more about our manufacturing systems

We aim to provide a stable supply of high-quality products that meet our customers' expectations even as we continue to develop innovative products that will exceed their expectations. To achieve this, we carefully manage the "4Ms" — Man, Machine, Material, and Method — and ensure our plants operate in a stable and consistent manner. We also promote continuous improvement under our Quality Management System (QMS) while we strive to improve quality to ensure our products can be used with confidence. Moreover, we have introduced our Environmental Management System (EMS) as part of our longstanding commitment to reduce the environmental impact of our business operations and develop eco-friendly products. For example, in our titanium oxide production process, we reduce industrial waste by employing Japan's only manufacturing method specially designed to ensure a low environmental impact. In addition, our comprehensive water treatment facility, a pioneer in this global industry with a drainage capacity of 200,000 metric tons per day, is designed to conserve water resources. Furthermore, we have installed an environmental information display panel at the entrance to our Yokkaichi Plant that discloses environmental information in a timely manner. This initiative is intended to raise the environmental awareness of our employees as well as those visiting our plant. Our objective is to enhance product quality while further improving our environmental performance through the comprehensive integration of our quality and environmental management systems. Through proactive communication with our stakeholders, we remain dedicated to maintaining high standards of quality and environmental performance.



Environmental information display panel



Comprehensive water treatment facility

Column | Sustainability: Environmental initiatives

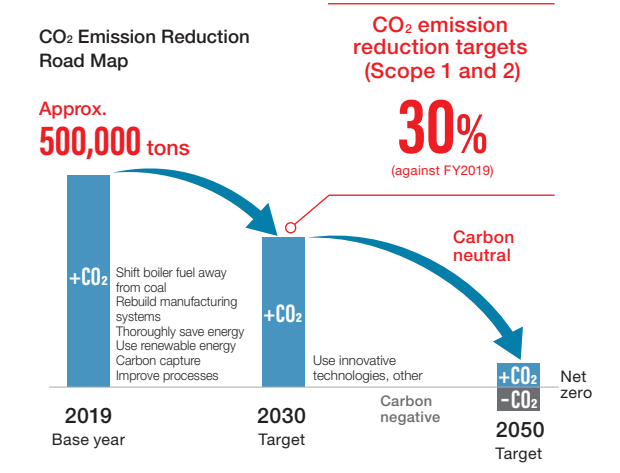


Learn more about our environmental initiatives

Contributing to the emergence of a society committed to a sustainable global environment

Materiality: Dealing with climate change, reducing environmental impacts
ISK Group aiming for carbon neutrality by 2050

We continue to implement a variety of initiatives with the goal of reducing our CO₂ emissions by 30% against FY2019 by FY2030, as a milestone toward achieving carbon neutrality by 2050. These initiatives include promoting energy efficiency, utilizing electricity from renewable energy sources, and introducing low-energy-load equipment. As we strive to achieve carbon neutrality by 2050, we are working to dramatically reduce carbon emissions through the application of innovative technologies while also pursuing the development and introduction of decarbonization technologies.



3.

Ability to collaborate globally

Moving Forward! Connecting the world for a better future

● CERTIS BELCHIM B.V.

● ISK BIOSCIENCES EUROPE N.V.

Europe

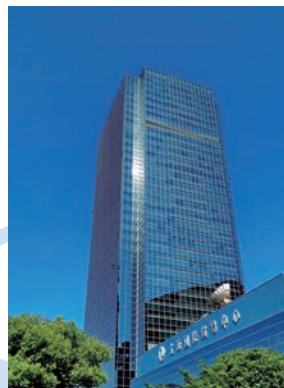
Asia

Others

Learn more about
our network in Japan
and other countriesLearn more about
our Group companies

As of March 31, 2024

- Legend
- Business office
 - Consolidated subsidiary company
 - Non-consolidated subsidiary company
 - Equity method affiliated company
 - Non-equity method affiliated company

● ISK (SHANGHAI) CHEMICAL
CO., LTD.

● ISK KOREA CORPORATION

● ISK BIOSCIENCES
KOREA LTD.● ZHEJIANG ISK & TAURUS
CHEMICAL CO., LTD.

● ISK TAIWAN CO., LTD.

● AVC CHEMICAL CORP.

● ISK BIOSCIENCES INDIA
PVT. LTD.

● Singapore Branch



● ISK AMERICAS INCORPORATED
● ISK BIOSCIENCES CORPORATION
● ISK ANIMAL HEALTH, LLC

Americas

● IBC MANUFACTURING COMPANY
● ISK BIOCIDES, INC.

● ISHIHARA
CORPORATION
(U.S.A.)

● SUMMIT AGRO USA, LLC

● ISK BIOSCIENCES, S.A. DE C.V.

● ISK BIOSCIENCES DO BRASIL DEFENSIVOS
AGRICOLAS LTDA.

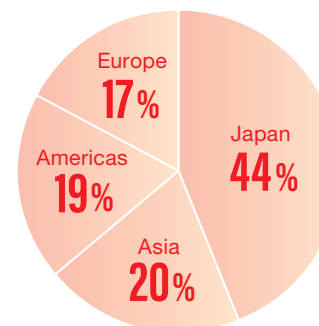
● Argentina Branch

● MF MATERIAL CO., LTD.

Network

Human
resourcesAgrochemical
registrationOutsourcing of
manufacturing

Sales by territory



Japan

● Head Office

● ISHIHARA TECHNO
CORPORATION● FUJI TITANIUM
INDUSTRY CO., LTD.

● Fukuoka Sales Office

● HOKUSAN CO., LTD.
● Sapporo Sales Office

● Central Research
Institute

● Tokyo Branch

● ISK BIOSCIENCES K.K.

● Yokkaichi Plant

● Chubu Branch

● ISK ENGINEERING PARTNERS
CORPORATION

● ISHIHARA SANJO KAISHA, LTD.

● ISHIHARA KOSAN CO., LTD.

Column

Sustainability: Social Initiatives

Inducing a natural human response to provide solutions to societal issues

Learn more about
our social initiatives

Materiality: Supply chain management

Implementing socially responsible procurement

Recognizing our obligation to respect human rights in our business operations, we conduct human rights due diligence. We have also established guidelines related to our procurement activities, conducted the Supplier CSR Survey for our suppliers, and promoted risk management and socially responsible procurement activities. Moreover, we have obtained certification from the Roundtable on Sustainable Palm Oil (RSPO) to procure sustainable palm oil.

CSR survey rate
FY2025 target

70%

(By transaction value)

Materiality: Diversity and inclusion

Creating workplaces that embrace and leverage diversity

We believe that our human resources are the true source of our competitiveness. At the same time, we strive to ensure that the company and its employees grow together. Through training and other initiatives, we foster an organizational culture that respects diversity. To that end, we are creating workplaces where people with diverse values and backgrounds can fully demonstrate their individual capabilities.

Female manager
ratio
(non-consolidated)

9.1%

(FY2023 results)

Materiality: Reforming workstyles by pursuing digital transformation (DX) and streamlining operations

Strengthening our business foundation by promoting DX with AI applications

We are promoting DX across our company by adopting AI technologies. Through the implementation of these innovations, we aim to meet the diverse needs of our customers and society while adapting to changes in the economic environment. As a result, we strive to further strengthen our foundation through expanding existing businesses and developing new ones.



DX mindset training

100_{years ago,} 100_{years from now.}

Challenges we have taken on since our founding in 1920

— From mining to chemical production and beyond

Our history of more than a century began with our development of a commercial mining operation in the Malay Peninsula. Since our founding, we have taken on numerous difficult challenges on the world stage while establishing a foothold as a successful producer of chemical products. We developed our business by pursuing both organic and inorganic chemistry and continued to operate without interruption even during the challenging postwar period.

Throughout this time, we have grown by adopting a flexible approach that has enabled us to meet emerging demand while creating new value to the world. At the root of this effort is our enterprising spirit, which originated with our founder and continues to be passed down and manifested throughout our company to this day. Looking forward to contributing to a better society in the future, we will continue to develop products of value in response to the needs of society. We will achieve this by building on the enterprising spirit that we have maintained since our founding as we look 50 to 100 years into the future and beyond.



Learn more about
the history of
Ishihara Sangyo Kaisha, Ltd.



Site of the Surimedan mine (1921)



Company founder Hiroichiro Ishihara



Company Profile (As of March 31, 2024)

Company name	ISHIHARA SANGYO KAISHA, LTD.
Head office	3-15 Edobori 1-chome, Nishi-ku, Osaka 550-0002
	Phone number +81-6-6444-1451 (General Affairs Division)
Founded	September 10, 1920
Incorporated	June 1, 1949
Capital stock	43,420,548,178 yen
Number of employees	(Consolidated) 1,813 (Non-consolidated) 1,146
Business locations	Head Office, Central Research Institute, Yokkaichi Plant, Tokyo Branch, Chubu Branch, Sapporo Sales Office, Fukuoka Sales Office, Argentina Branch, Singapore Branch

Our website



Corporate
profile video



ISK ISHIHARA SANGYO KAISHA, LTD.