



ステラケミファ株式会社

Head Office

10th floor, Meiji Yasuda Seimei Osaka Midosuji Building
4-1-1 Fushimi-machi, Chuo-ku, Osaka 541-0044, Japan

<https://www.stella-chemifa.co.jp>

Beyond the Chemical

Corporate Information



Beyond the Chemical

Contributing to a Better Future through Chemistry as a Leading Manufacturer of High-purity Fluorine Compounds

Stella Chemifa, which was founded in Sakai, Osaka Prefecture, in 1916, has served as a comprehensive manufacturer of inorganic fluorine compounds since the 1930s. Today, we've grown into a company that supports cutting-edge industries around a core business of manufacturing semiconductor-related products. Semiconductors serve as the "brains" of modern society, underpinning a wide range of fields, including key infrastructure. We continue to contribute to technological innovation worldwide by providing a stable supply of fluorine compounds, which are essential to semiconductor manufacturing. As the semiconductor market expands and demands ever-higher performance, we continue to evolve through research and development as we embrace the challenge of creating products that meet next-generation needs. Fluorine compounds are also used in a wide range of other applications, from materials that enhance the performance of electronic devices to everyday products like toothpaste, supporting countless aspects of daily life. Going forward, we will continue to build on our technological expertise and contribute to the realization of a safe, secure, and comfortable future through materials that support society.



Management philosophy

1. A sound and reliable company

With the utmost consideration to the health and safety of our employees, we will build a company that is sound and continues to be reliable.

2. Pursuit of technology

We will maintain our attitude of pursuing technological innovation.

3. Wisdom and creativity

With an expansive vision, we will be creative and innovative with wisdom and strive to create new value.

4. Spirit of challenge

All our employees will unite as one as they strive to achieve our goals with a strong sense of purpose.

Company motto

1. Be healthy

2. Be loyal

3. Be brave

4. Cultivate wisdom

5. Be responsible

Corporate Slogan

Beyond the Chemical

This corporate slogan was created in 2016, the 100th anniversary of our founding, through an internal proposal and selection process involving all officers and employees.

Throughout our history, we have grown our business with chemistry at its core while adapting to the changing times. However, in today's mature Japanese market, sustainable growth can no longer be achieved solely within conventional frameworks. That's why we chose to go "Beyond the Chemical."

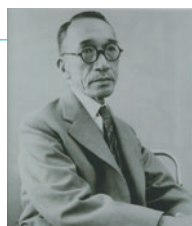
The decision doesn't mean we're abandoning chemistry. Rather, it reflects our determination to build upon the strengths we've cultivated in the field of chemistry as we move forward toward the future. The slogan also embodies our commitment to not only pursue profit, but also to create value that contributes to people's well-being as we remain a company that supports everyday life.

History

110 Years of Challenge: Toward the Future

1916

Hashimoto Shokodo Pharmaceutical Plant founded in Sakai City, Osaka, and began manufacturing hydrosulfate.



Founder:
Jisaburo Hashimoto

1930

Started manufacturing fluorine compounds.

1934

Established general partnership, Hashimoto Pharmaceutical Plant.

1944

Established Hashimoto Chemical Industrial Co., Ltd. (Sakai City, Osaka)

1945

Resumed manufacturing copper sulfate in Shorinji Factory. (Sakai City, Osaka)

1956

Resumed the operation at Sanpo Factory (Sakai City, Osaka) and additionally built production facility for hydrofluoric acid.

1961

Additionally built production facilities for hydrofluoric acid, aluminum fluoride and other fluoride products.

1963

Succeeded in industrialization of boron trifluoride gas in Japan.


1970

Established Izumi Factory. (Izumotsu City, Osaka)

1971

Completed production facility for dry aluminum fluoride in Sanpo Factory.

1984

Completed cleaning plant (PAS-I) for high purity hydrofluoric acid used for semiconductors in Sanpo Factory.

1990

Moved the head office to Nishi-ku in Osaka City, Osaka. Changed the company name to HASHIMOTO CHEMICAL CORPORATION.

Completed cleaning plant (PAS-II) for ultra high purity hydrofluoric acid used for semiconductors in Sanpo Factory.

1991

Separated the Transportation Department and established BLUE EXPRESS, INC., as a 100% owned subsidiary company.

1994

Established joint company, FECT CO., LTD., in South Korea.

1996

Completed new plant for lithium hexafluorophosphate in Izumi Factory.

1997

New administrative office and laboratory were established in Sanpo Factory. Changed the company name to STELLA CHEMIFA CORPORATION.

1999

Completed cleaning plant (PAS-III) for ultra high purity hydrofluoric acid used for semiconductors in Sanpo Factory. Moved the head office to Awaji-Machi Chuo-ku in Osaka City, Osaka. Listed on the second section of Osaka Securities Exchange.

2000

Listed on the first section of Tokyo Stock Exchange and Osaka Securities Exchange.

Completed an enriched boron (Boron-10) production plant at the Izumi Factory.


2001

Established a wholly owned subsidiary company in Singapore, STELLA CHEMIFA SINGAPORE PTE LTD.


2002

Established ZHEJIANG BLUE STAR CHEMICAL CO., LTD., in China.

2007

Established a wholly owned subsidiary company, STELLA PHARMA CORPORATION. Medical business went into full scale operation.

Completed cleaning plant (PAS-IV) for ultra high purity hydrofluoric acid used for semiconductors in Sanpo Factory.


2012

Expansion plant for lithium hexafluorophosphate in Izumi Factory.

2014

Established Kitakyushu Factory (Yahatanishi-ku, Kitakyushu City, Fukuoka).


2015

Established QUZHOU BDX NEW CHEMICAL MATERIALS CO., LTD., in China.

2016

Completed mass-production facilities for lithium-ion secondary battery additives at the Izumi Factory.

2017

Started full-scale production of GMP-compliant tin fluoride at the Izumi Factory.

2018

Moved the head office to Fushimi-machi, Chuo-ku, Osaka.

2021

STELLA PHARMA CORPORATION listed on Tokyo Stock Exchange Mothers.

Dissolved the joint venture, FECT CO., LTD. (Transferred all stock holdings.)

2022

STELLA PHARMA CORPORATION changed from a consolidated subsidiary to an equity-method affiliate.

Moved from the first section to Prime Market due to a review of the market classification of Tokyo Stock Exchange.

2023

Completed the Next Generation Materials Research Lab in Sanpo Factory.



Businesses

Fluorine compounds

Semiconductor-related chemicals

Energy

Electronic materials

General products

A leading company in fluorine compounds used across a wide range of industries

When combined with other elements, fluorine exhibits an astonishing variety of unique characteristics. By continuously exploring the potential of fluorine, we have developed proprietary technologies and established ourselves as a leading company in fluorine compounds.

Industrial hydrofluoric acid

Purchased products



High-purity Chemicals Business

World-leading market share in fluorine chemistry

Since 1930, our High-purity Chemicals Business has consistently focused on fluorine chemistry, developing high-purity, high-quality fluorine compounds and achieving strong market share in fields related to advanced technologies.

Semiconductor-related chemicals

We succeeded early on in refining high-purity chemicals and have developed cleaning and etching chemicals for semiconductor manufacturing processes, earning high market share in high-purity chemicals for semiconductors both in Japan and overseas. The manufacture of high-performance semiconductors used in data centers, AI, and other advanced applications increasingly requires higher-purity and more functional chemicals, and we continue to meet these evolving needs. Our high-purity hydrofluoric acid can be customized to suit customers' manufacturing processes, with approximately 200 different product variations available.

Major applications

- Wet etching and wet cleaning of silicon wafers in semiconductor manufacturing

Electronic materials

We manufacture and sell a variety of high-purity fluorine compounds, including production aids for tantalum, which is used in tantalum capacitors for server power control systems; materials for lenses used in semiconductor steppers (lithography equipment) and digital cameras; and raw materials for scintillators.

Major applications

- Production aids for tantalum used in tantalum capacitors
- Raw materials for camera and stepper lenses
- Phosphors and raw materials for phosphor production used in LEDs

Industrial hydrofluoric acid

In addition to serving as a raw material for various fluorine compounds, the hydrofluoric acid we offer is used in stainless steel pickling, cleaning quartz components, and thinning liquid crystal display panels.

Major applications

- Stainless steel pickling
- Cleaning quartz components
- Thinning liquid crystal display panels

Energy

We've established fluorine-based enrichment technology for producing enriched boron (Boron-10), which has neutron absorption properties. We manufacture and sell enriched boron (Boron-10) primarily for nuclear facilities in Japan and overseas, and we make a significant contribution to the safe operation of nuclear facilities through applications such as control of excess reactivity in reactors. Products with an enrichment level exceeding 99% are also used in the medical field. In addition, our research and development program targets materials that enhance the performance of various secondary batteries, while affiliates manufacture and sell electrolytes for lithium-ion secondary batteries.

Major applications

- Neutron absorbers for primary coolant systems and spent nuclear fuel transport and storage containers at nuclear facilities
- Raw materials for cancer treatment drugs (BNCT: boron neutron capture therapy)
- Electrolytes for lithium-ion secondary batteries
- Additives for various secondary batteries

General products

We manufacture tin fluoride (GMP-compliant) as an additive for toothpaste and market it primarily in Europe and North America, where there is strong interest in dental aesthetics. We also manufacture and sell catalysts used in the synthesis of various chemicals and pharmaceutical intermediates, supplying a wide range of products to chemical and pharmaceutical manufacturers in Japan and overseas.

Major applications

- Toothpaste additives
- Catalysts for chemicals and pharmaceutical intermediates

Purchased products

We procure various industrial fluorine compounds from Japan and overseas, verify their quality in-house, and then sell them to customers.

Major applications

- Aluminum fluoride
- Refined sodium fluoride
- Ammonium bifluoride, etc.

COLUMN

How does fluorine support cutting-edge technologies?



The element fluorine is widely known in everyday life through applications such as fluoropolymer coatings on frying pans and fluoride in toothpaste. At the same time, it has hazardous properties including explosiveness, flammability, toxicity, and corrosiveness. Because we've built up expertise in the safe handling and proper treatment of fluorine, we're able to deliver high-quality fluorine products to the world with confidence.

COLUMN

What are PFASs?

"Per- and polyfluoroalkyl substances" (PFASs) is a collective term for organic chemical substances composed primarily of carbon and fluorine. Although no universally accepted definition currently exists, it's estimated that there are approximately 7 million substances that could theoretically be classified as PFASs. We handle fluorine, but all of our products are inorganic fluorine compounds. We do not manufacture products that fall under the PFAS category.

Locations

R&D/production



Next Generation Materials Research Lab



Sanpo Factory



Kitakyushu Factory



Izumi Factory



Research and development facility

Next Generation Materials Research Lab (Sakai City, Osaka Prefecture)

Our Next Generation Materials Research Lab serves as a hub for accelerating research and development in fluorine, our core business, and for creating new business opportunities.

Research and development focused on medium- to long-term growth markets

Leveraging our core technologies, we're conducting research and development in fields that are expected to achieve medium- to long-term growth, including advanced high-performance and ultra-high-purity chemicals for cutting-edge semiconductors, next-generation battery materials such as all-solid-state batteries, high-performance fluorides for new applications, and materials for biotechnology applications.

State-of-the-art R&D facilities and a work environment that fosters innovation

The Next Generation Materials Research Lab is equipped with advanced facilities including dry rooms, environmental test chambers, and clean rooms. These facilities enable experimentation and prototyping under conditions optimized for specific research topics. In addition, office space has been carefully designed to promote smooth communication among researchers, creating a work environment that supports innovation while enhancing productivity.



COLUMN

Background to the establishment of our R&D facility

Previously, our research and development functions were divided between the Sanpo Factory (Sakai City) and the Izumi Factory (Izumiotu City). A more integrated and advanced environment was required to further strengthen our R&D capabilities. To address this issue, we established the Next Generation Materials Research Lab at the Sanpo Factory in 2023, consolidating and enhancing our research and development environment with expanded facilities and capabilities.



Production facilities

Sanpo Factory (Sakai City, Osaka Prefecture)

As our primary production site for high-purity chemicals for semiconductors, the Sanpo Factory manufactures a variety of chemicals used for cleaning and etching processes in semiconductor production. Our high-purity chemicals are indispensable in semiconductor manufacturing and enjoy top-level market share, both in Japan and overseas. In recent years, we've been enhancing production efficiency and capacity, including by upgrading filling equipment to accommodate growing demand from semiconductor manufacturers.



COLUMN

Anhydrous hydrogen fluoride: Our principal raw material

Anhydrous hydrogen fluoride, the principal raw material used in our products, is produced by reacting calcium fluoride (fluorspar) with concentrated sulfuric acid. Because China possesses the world's largest fluorspar reserves and due to geographic considerations, we historically relied on China for most of our raw material procurement. However, today we've expanded sourcing to regions outside China, including Europe, and will continue to promote diversification of our raw material supply sources.



Kitakyushu Factory (Kitakyushu City, Fukuoka Prefecture)

The Kitakyushu Factory was built to expand production capacity for our flagship high-purity chemicals for semiconductors. It also addresses the important management challenge of diversifying production sites so that we can maintain a stable supply of products even in the event that a major production facility is affected by a large-scale disaster.

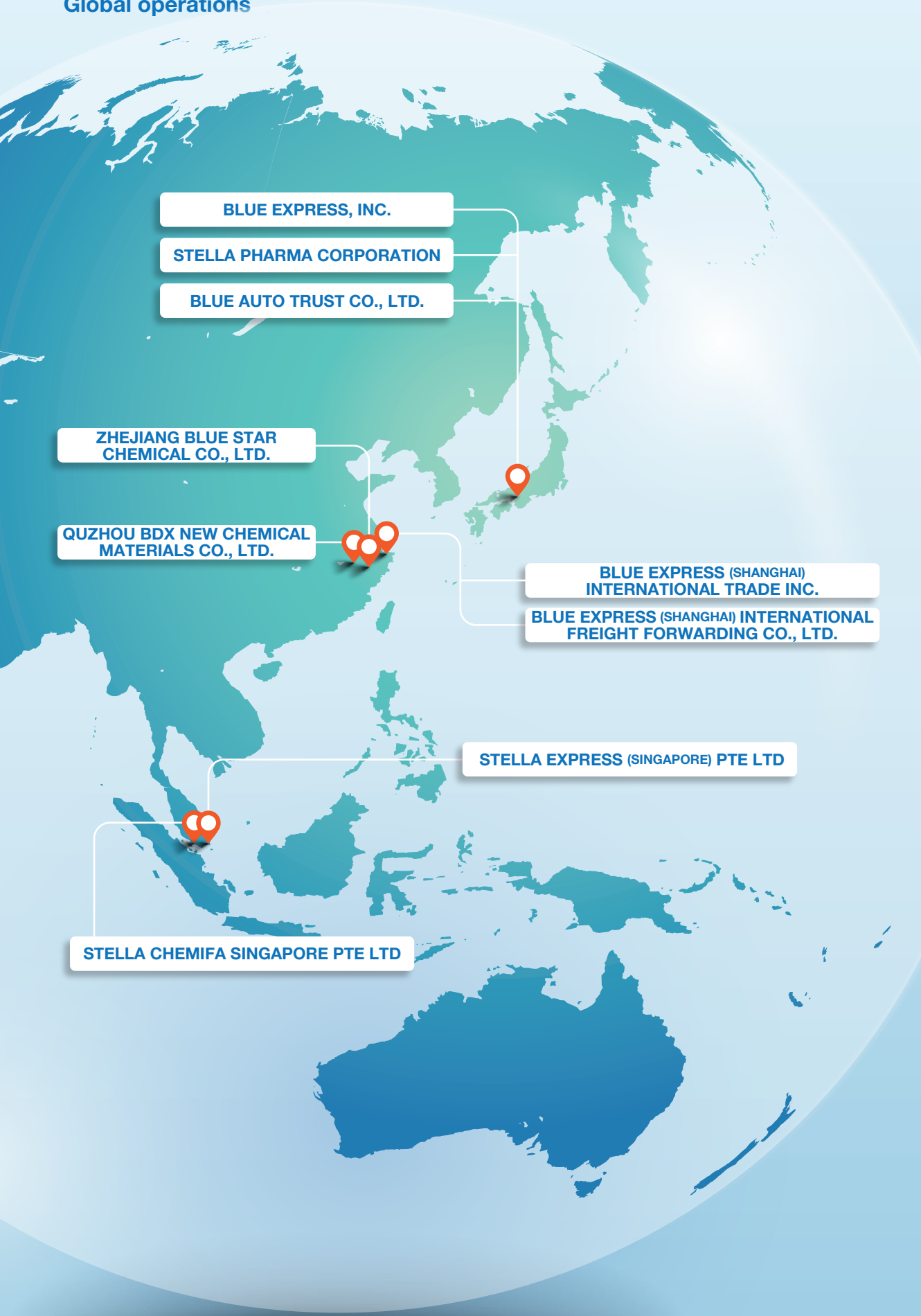
Izumi Factory (Izumiotu City, Osaka Prefecture)

The Izumi Factory primarily manufactures and sells fluorine compounds other than high-purity chemicals for semiconductors. Its principal products include enriched boron compounds and tin fluoride. The plant also produces a wide range of fluorine compounds, including tantalum production aids, materials for camera and stepper lenses, and catalysts used in the manufacture of pharmaceutical intermediates. It's a key production site responsible for manufacturing distinctive products that leverage our proprietary technologies.



Locations

Global operations



Group companies and global locations

Japan

BLUE EXPRESS, INC. <https://www.blue-express.co.jp>

10 Ohamanishimachi, Sakai-ku, Sakai-shi, Osaka Prefecture 590-0977, Japan

Business activities

Comprehensive logistics services; procurement and sale of chemicals, including hydrofluoric acid

BLUE AUTO TRUST CO., LTD.

10 Ohamanishimachi, Sakai-ku, Sakai-shi, Osaka Prefecture 590-0977, Japan

Business activities

Insurance agency services and automobile maintenance services

STELLA PHARMA CORPORATION <https://stella-pharma.co.jp>

8th floor, Orix Koraibashi Building, 3-2-7 Koraibashi, Chuo-ku, Osaka-shi, Osaka Prefecture 541-0043, Japan

Business activities

Medical business

China

ZHEJIANG BLUE STAR CHEMICAL CO., LTD.

People's Republic of China

Business activities

Manufacture and sale of hydrofluoric acid

BLUE EXPRESS (SHANGHAI) INTERNATIONAL FREIGHT FORWARDING CO., LTD.

Room 2002, Zheng Quan Building South, 528 Pudong Road South, Pudong, Shanghai, People's Republic of China

Business activities

Transportation and customs brokerage services

BLUE EXPRESS (SHANGHAI) INTERNATIONAL TRADE INC.

Room 2002, Zheng Quan Building South, 528 Pudong Road South, Pudong, Shanghai, People's Republic of China

Business activities

Procurement and sales of high-purity chemicals

QUZHOU BDX NEW CHEMICAL MATERIALS CO., LTD.

17 Nianhua Road, Kecheng District, Quzhou City, Zhejiang Province, People's Republic of China

Business activities

Manufacture and sale of high-purity chemicals

Singapore

STELLA CHEMIFA SINGAPORE PTE LTD

21 Merlimau Place, Jurong Island, Singapore 627840

Business activities

Manufacture and sale of high-purity chemicals

STELLA EXPRESS (SINGAPORE) PTE LTD

36 Robinson Road, #12-02 City House, Singapore 068877

Business activities

Transportation and customs brokerage services

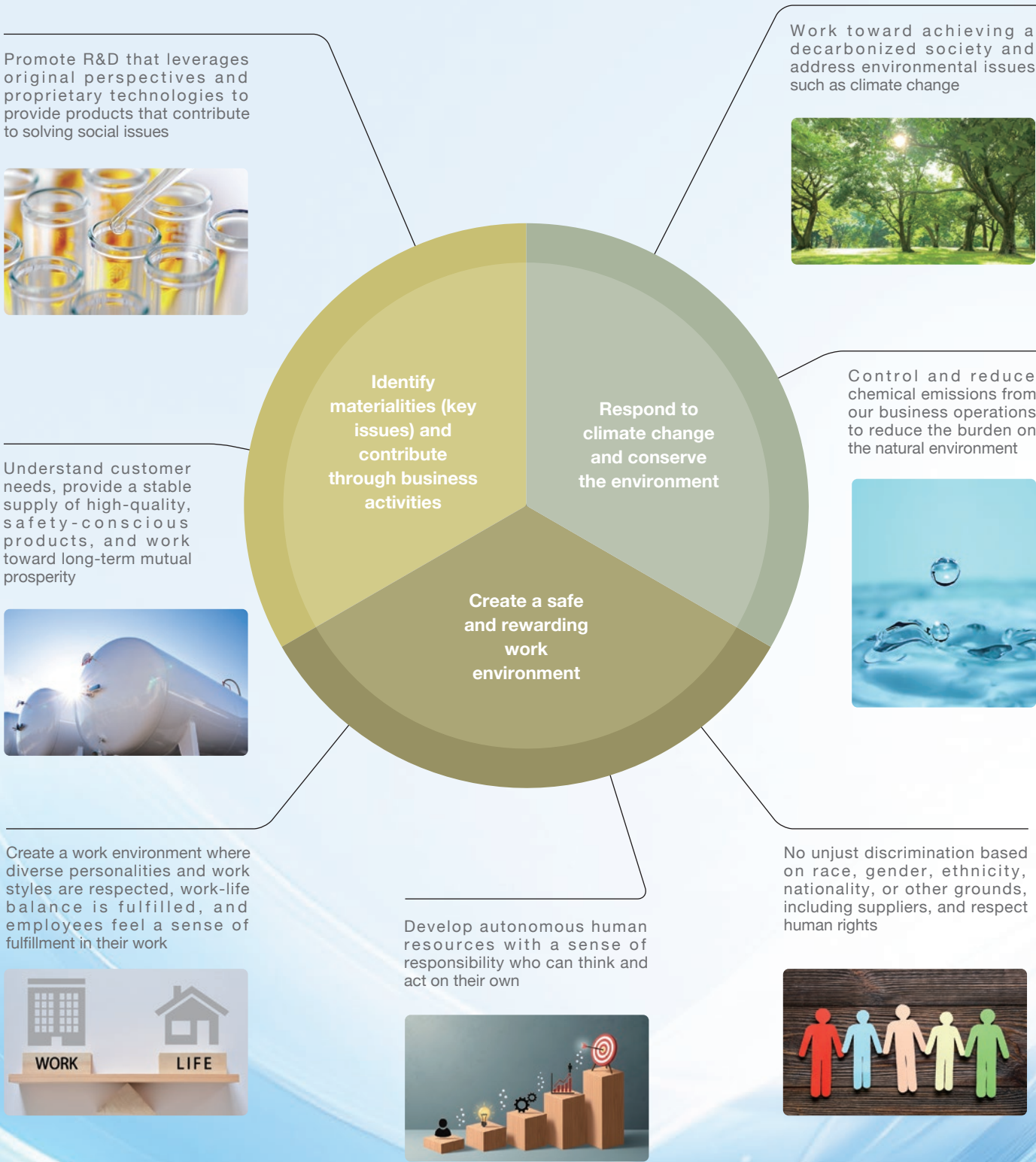


Advantages of operating multiple production sites for semiconductor chemicals

Our flagship semiconductor chemicals are manufactured at the Sanpo Factory in Sakai City, Osaka Prefecture. In addition, we established production facilities in Singapore in 2001 and Kitakyushu City, Fukuoka Prefecture, in 2014, giving us an annual production capacity of 105,000 tons. Operating multiple production sites not only enhances manufacturing capacity, but also offers benefits from a business continuity planning (BCP) perspective. We will continue to strengthen coordination among our facilities to ensure a stable supply of products.

Sustainability initiatives

Guided by our management philosophy and our corporate slogan, “Beyond the Chemical,” we’re working to help realize a sustainable society and enhance corporate value through our business activities.

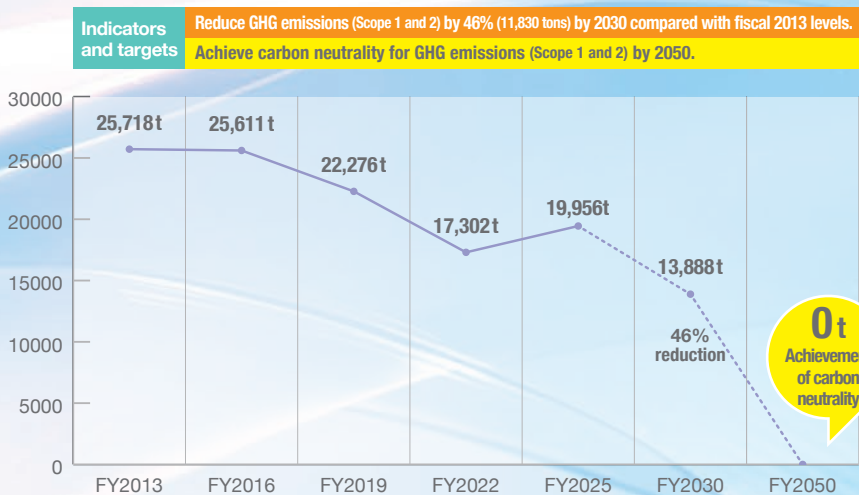


Key issues

	Materiality	Our vision	Targets
1	Contribute through our businesses	Provide new products that leverage our proprietary technologies, cultivated through innovative research and development themes that contribute to solving social issues	•Expand and upgrade enriched boric acid production facilities •Increase production of tin fluoride •Chemicals that contribute to improvements in semiconductor manufacturing processes •Materials that contribute to higher-performance lithium-ion batteries •Products utilizing inorganic fluorine compounds or fluorine technologies
		Enhance customer satisfaction through the stable supply of safe, high-quality products that meet customer needs	•Achieve an annual average highest rating of 50% or more in customer satisfaction among our top 20 major customers •Respond to 100% of customer requests for safety training seminars
2	Respond to climate change and conserve the environment	Achieve carbon neutrality by 2050	•Reduce emissions by 46% by fiscal 2030 compared with fiscal 2013 levels
		Manage and reduce chemical substances emitted from business operations, minimizing environmental impact	•Continue to maintain zero cases exceeding regulatory limits
		Reduce water risks through efficient water use and improved wastewater quality	•Reduce water intake at our three major production plants by 10% compared with fiscal 2017 levels
3	Create a safe and rewarding work environment	Help employees achieve work-life balance and find their work rewarding	•Maintain a paid leave utilization rate of 80% or higher •Achieve a male childcare leave utilization rate of 50% or higher •Maintain the current high reemployment rate after retirement (80% or higher)
		Enhance employee awareness, knowledge, and skills through training and qualification programs	•Foster planned participation in external training, certification courses, and internal training programs •Maintain a gender pay ratio of 90% or higher for total base salary and bonuses (with regular male employees set at 100%)
		Ensure employees can work safely and in good health	•Accident rate: 1.25 / Severity rate: 0.08
4	Respect for human rights	Ensure business is conducted with respect for human rights and without unfair discrimination based on race, gender, ethnicity, nationality, or other factors, including throughout the supply chain	•Promote qualitative initiatives related to the prevention of discrimination and harassment and the protection of human rights •Establish and publicly disclose a human rights policy
5	Strengthen governance to enhance corporate value	Ensure employees understand and comply with compliance requirements and relevant laws and regulations	•Number of serious compliance violations: 0
		Make management decisions promptly and maintain sound corporate governance	•Conduct a Board of Directors effectiveness evaluation (third-party assessment) •Clarify criteria for appointing outside directors •Number of major information security incidents: 0
		Disclose expected information promptly and accurately to stakeholders	•Simultaneously disclose information in Japanese and English •Disclose sustainability information

Response to climate change

We recognize that addressing environmental issues is an essential part of our corporate activities as we work to realize a sustainable society, including by achieving carbon neutrality by 2050. We also regard responding to climate change as a key management challenge and pursue initiatives based on the TCFD recommendations while contributing to the realization of a sustainable society through our business activities.



Transportation Business



Delivering fast and safe logistics through proprietary technologies and expertise

Major transportation items

Specialty chemicals, high-pressure gases, hazardous materials, and more

Our Transportation Business began in 1989 as the logistics division of STELLA CHEMIFA CORPORATION. Later, BLUE EXPRESS, INC., was established in 1991. We've since utilized our proprietary technologies and expertise to build a strong reputation by providing comprehensive transportation services for products that are difficult for other companies to handle, including specialty chemicals, high-pressure gases, and hazardous materials.



Company name	BLUE EXPRESS, INC.
Head Office	10 Ohamanishimachi, Sakai-ku, Sakai-shi, Osaka Prefecture, Japan
Representative	Kiyonori Saka, Representative Director, Chairman Tsukasa Misono, Representative Director, President and CEO
Established	June 20, 1991
Capital	350 million yen
Business activities	General motor truck transportation business / International multimodal transportation business / Warehousing business / Customs brokerage business Export packaging business / Sale, rental, and leasing of containers and tanks Wholesale of chemical products (including import and export) / Real estate leasing business / Contract operations business Wholesale of used automobiles / Automobile maintenance business / Life insurance and non-life insurance agency business

Customs brokerage offices	Headquarters Office Yokohama Office Osaka Office
Transportation offices	Headquarters Office Sendai Office Kanto Office Yokohama Office Shimizu Office Nagoya Office Kobe Office Kitakyushu Office

We've built an extensive track record based on the philosophy of transporting specialty chemicals, including fluorine-related products, safely, carefully, and reliably. Each member of our staff is a specially licensed professional and a logistics engineer with a deep understanding of true transportation safety. We design more efficient logistics systems around a core commitment to safety.

International integrated logistics network



Logistics needs are becoming increasingly diverse. We provide detailed and attentive service both domestically and internationally. We offer worldwide logistics services ranging from trade procedure support and cargo collection to inland storage, management, distribution processing, and delivery.

Achieving logistics efficiency requires streamlining of management and processing systems. Rather than viewing warehouses simply as storage facilities, we recognize them as critical components of the logistics process and provide multifunctional warehouses equipped with the latest systems.

We propose solutions tailored to each customer's specific circumstances to address challenges involving the transportation of products and raw materials, including logistics methods and transport containers. In addition to providing ISO-standard large pressure vessels widely used as bulk transport containers for fine chemicals, petrochemicals, and food and beverage products, we offer cleaning, maintenance, and leasing services for these containers.

Corporate profile

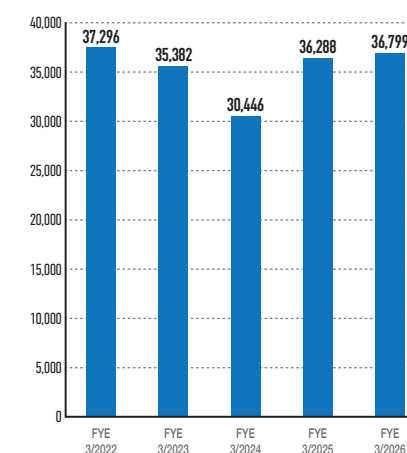
Company name	STELLA CHEMIFA CORPORATION
Head Office	10th floor, Meiji Yasuda Seimei Osaka Midotsuji Building, 4-1-1 Fushimi-machi, Chuo-ku, Osaka-shi, Osaka Prefecture, Japan
Representative	Aki Hashimoto, Representative Director, President and CEO Kiyonori Saka, Representative Director, Executive Vice President
Founded	February 1, 1916
Established	February 1, 1944
Capital	4,829,782,512yen
Stock listing	Tokyo Stock Exchange Prime Market
Fiscal year-end	March

Sales departments	Sales Department 1 / Sales Department 3 (Chuo-ku, Osaka City, Osaka) Sales Department 2 (Chiyoda-ku, Tokyo)
Plants	Sanpo Factory (Sakai-ku, Sakai City, Osaka) Izumi Factory (Izumotsu City, Osaka) Kitakyushu Factory (Yahatanishi-ku, Kitakyushu City, Fukuoka)
Research and development facility	Next Generation Materials Research Lab (Sakai-ku, Sakai City, Osaka / located at the Sanpo Factory)
Subsidiaries and affiliates	BLUE EXPRESS, INC. STELLA CHEMIFA SINGAPORE PTE LTD ZHEJIANG BLUE STAR CHEMICAL CO., LTD. BLUE AUTO TRUST CO., LTD. STELLA EXPRESS (SINGAPORE) PTE LTD BLUE EXPRESS (SHANGHAI) INTERNATIONAL TRADE INC. BLUE EXPRESS (SHANGHAI) INTERNATIONAL FREIGHT FORWARDING CO., LTD. STELLA PHARMA CORPORATION QUZHOU BDX NEW CHEMICAL MATERIALS CO., LTD.

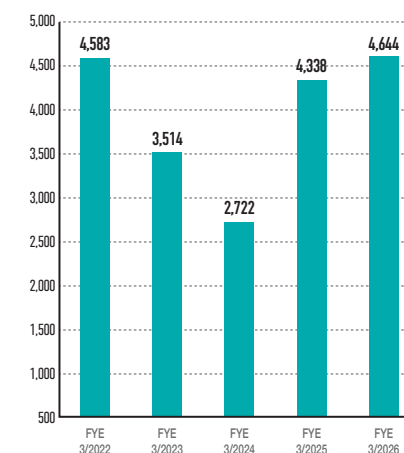
IR information and environmental quality

Business performance trends

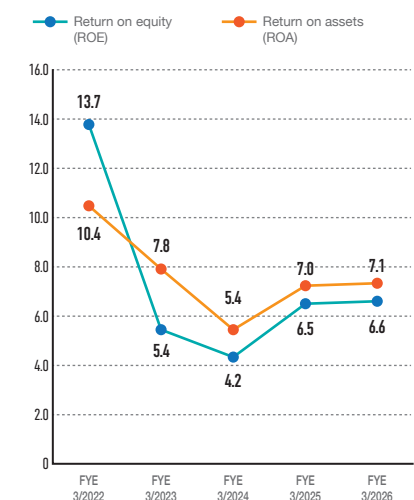
Sales revenue



Operating profit



Return on equity (ROE) / Return on assets (ROA)



ISO certification information

Applicable standard	ISO 14001:2015 / JIS Q 14001:2015
Certificate registration number	JQA-EM4369

Applicable standard	ISO 9001:2015 / JIS Q 9001:2015
Certificate registration number	JQA-1094