

Business Results for 3Q(Nine months) of FYE 3/2024

February 13th, 2024

STELLA CHEMIFA CORPORATION

Securities code: 4109



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(Corporate Profile · Introduction of Our Business)

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Performance Highlights

[3Q(Nine months) of FYE 3/2024 Results]

- ◆ Shipment volume of Semiconductors declined year on year as a result of the impact of the deterioration of market conditions although selling price rose.
- ◆ Sales of Energy increased year on year due to overseas shipments of Enriched Boron (Boron-10).
- ◆ Domestic purchase price of anhydrous hydrofluoric acid (AHF) is about the same level as the same period last year. (Price decreased in the overseas subsidiary.)
We will continue initiatives for procurement from outside China.

[Full-year Forecast]

- ◆ In order to monitor the impact of uncertainties, such as the price of anhydrous hydrofluoric acid (AHF) and trends in foreign exchange rates, on business performance, the full-year forecast remains unchanged.
- ◆ The dividend forecast has been revised based on information available as of the announcement date.
(Feb.13th, 2024)

Financial Summary

(million yen)	3Q (Nine months) of FYE 3/2023	3Q (Nine months) of FYE 3/2024	Increase/ Decrease	Percentage Increase/ Decrease
Sales Revenue	28,270	23,311	-4,958	-17.5
Gross Profit	6,017	5,110	-907	-15.1
Operating Profit	3,068	2,284	-784	-25.6
Ordinary Profit	3,750	2,537	-1,212	-32.3
Quarterly Profit Attributable to Owners of Parent	1,658	1,707	48	2.9
Earnings Per Share (yen)	134.42	141.98		
Capital Expenditures	3,523	3,341	-182	-5.2
Depreciation & Amortization	1,922	2,100	177	9.2
Research & Development Expenses	381	521	139	36.6

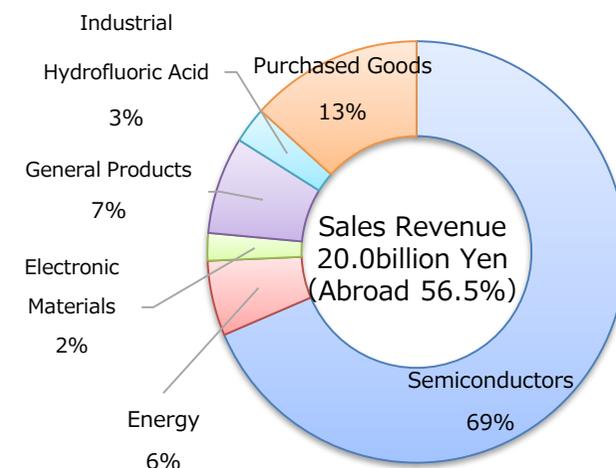
Sales Revenue and Operating Profit by Business Segment

(million yen)	Sales Revenue				Operating Profit			
	3Q (Nine months) of FYE 3/2023	3Q (Nine months) of FYE 3/2024	Increase/ Decrease		3Q (Nine months) of FYE 3/2023	3Q (Nine months) of FYE 3/2024	Increase/ Decrease	
			Amount	%			Amount	%
High-Purity Chemical Business	24,700	20,059	-4,641	-18.8	2,619	1,964	-654	-25.0
Transportation Business	3,453	3,127	-325	-9.4	441	317	-124	-28.3
Other	116	124	8	6.9	16	13	-3	-19.2
Eliminations and Corporate	-	-	-	-	-8	-10	-1	-
Total	28,270	23,311	-4,958	-17.5	3,068	2,284	-784	-25.6

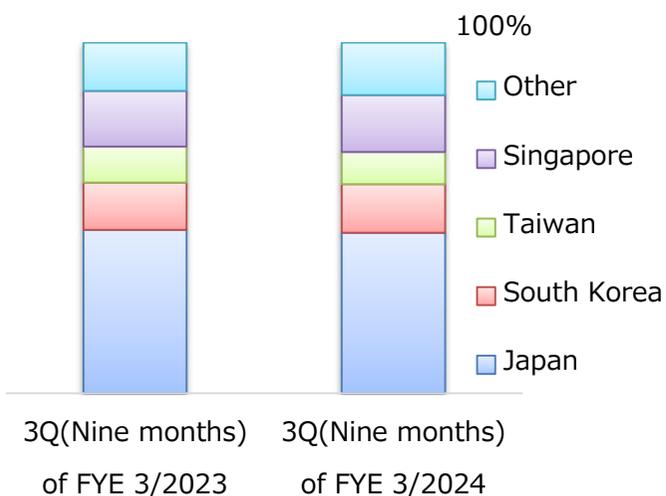
Sales Revenue of High-Purity Chemical Business (Breakdown)

(million yen)	3Q (Nine months) of FYE 3/2023	3Q (Nine months) of FYE 3/2024	Increase/ Decrease	Percentage Increase/ Decrease
Semiconductors	14,729	13,754	-974	-6.6
Energy	856	1,156	299	35.0
Electronic Materials	796	423	-372	-46.8
General Products	2,002	1,496	-505	-25.2
Industrial Hydrofluoric Acid	1,621	554	-1,066	-65.8
Purchased Goods	4,694	2,673	-2,021	-43.1
Total	24,700	20,059	-4,641	-18.8

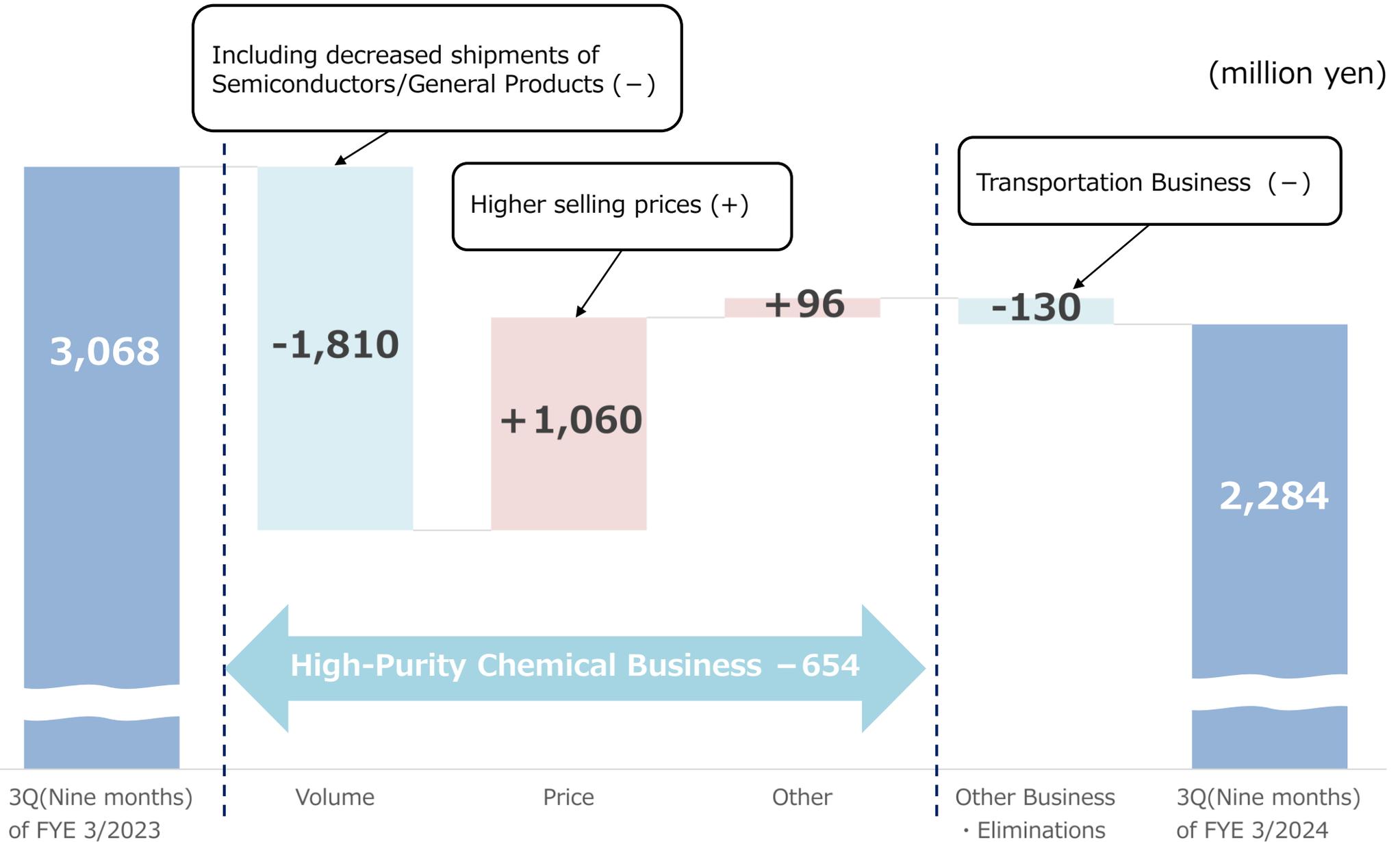
Sales Revenue Constituent Ratio
of High-Purity Chemicals



Semiconductors Shipping Ratio by Country

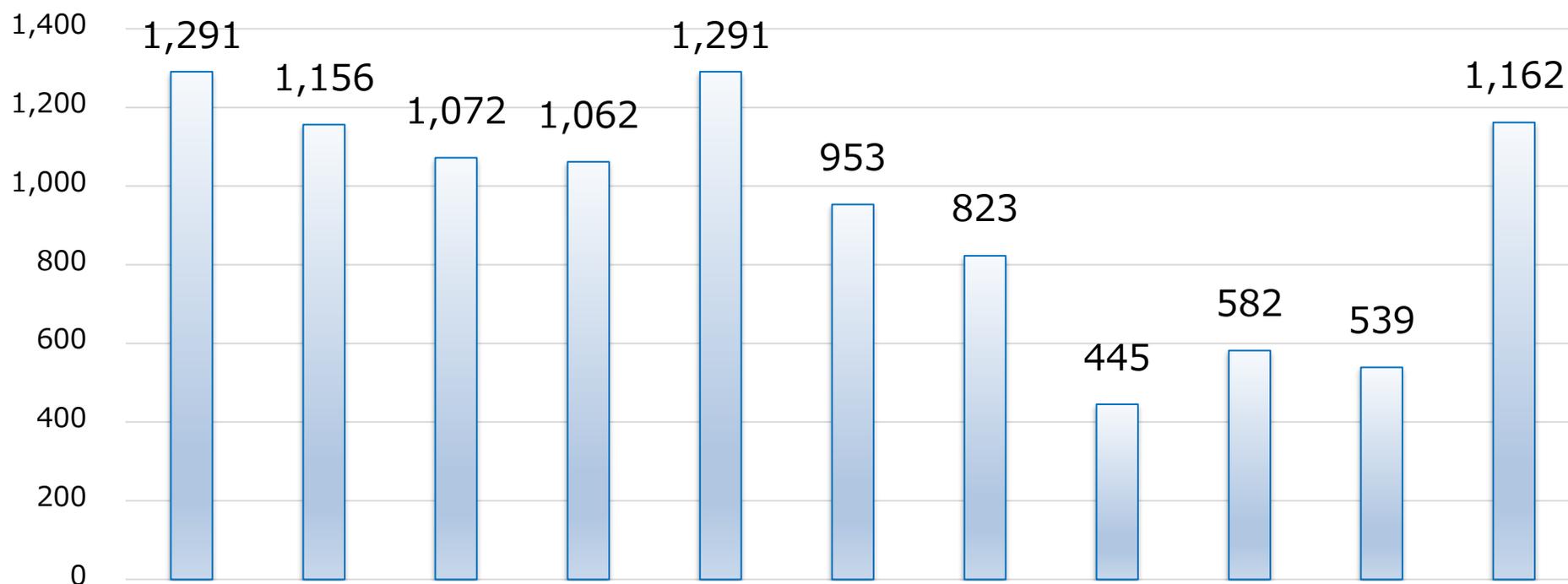


Analysis of Operating Profit (Year on year)



Change of Quarterly Operating Profit

(million yen)

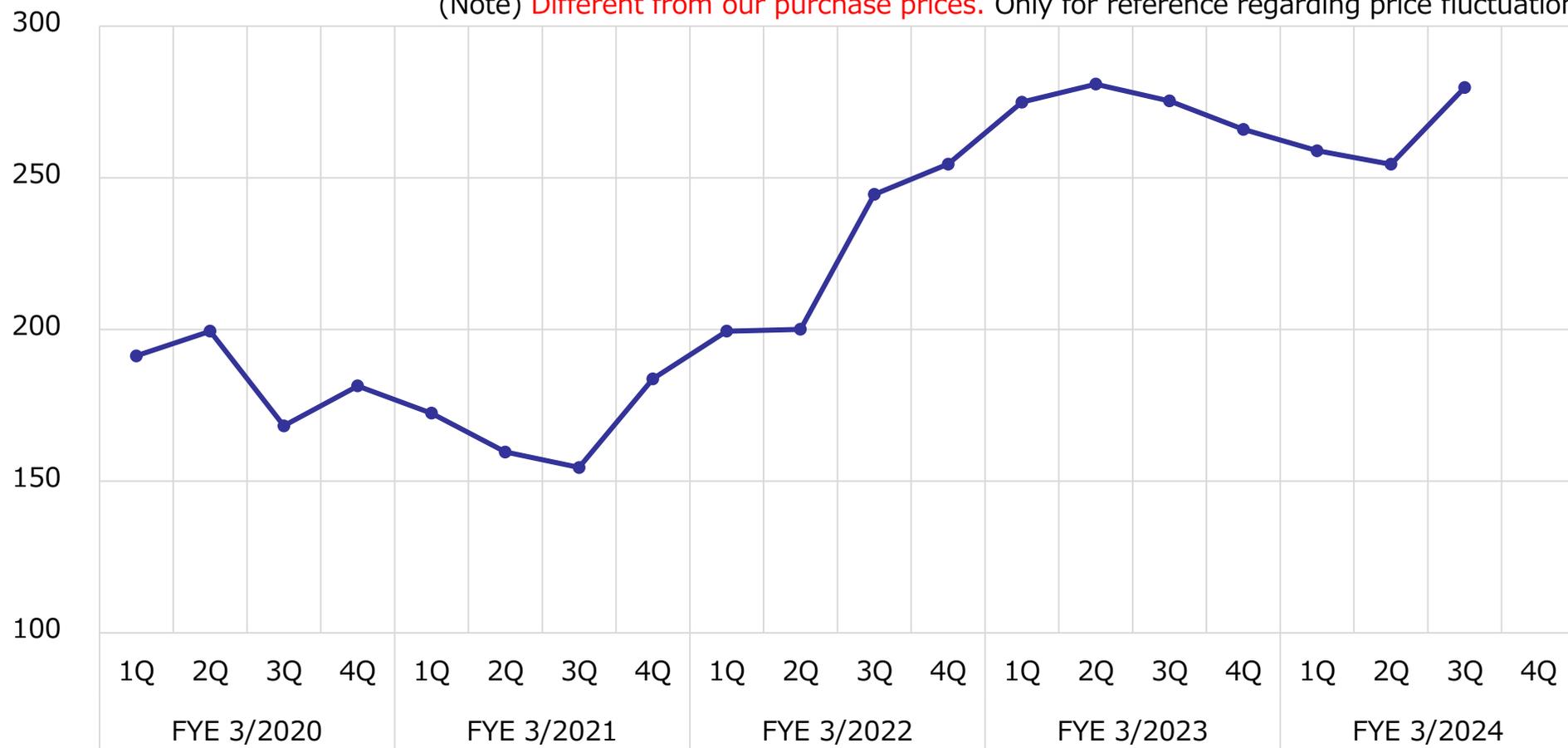


	FYE 3/2022				FYE 3/2023				FYE 3/2024			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
Sales Revenue	8,896	9,212	9,015	10,171	9,764	9,854	8,651	7,112	7,298	7,199	8,813	
Operating Profit	1,291	1,156	1,072	1,062	1,291	953	823	445	582	539	1,162	
Operating Profit Margin	14.5%	12.5%	11.9%	10.4%	13.2%	9.7%	9.5%	6.3%	8.0%	7.5%	13.2%	

Transitions in **Import Trade Statistics (China)** Value of Hydrofluoric Acid(HF)

(yen/kg)

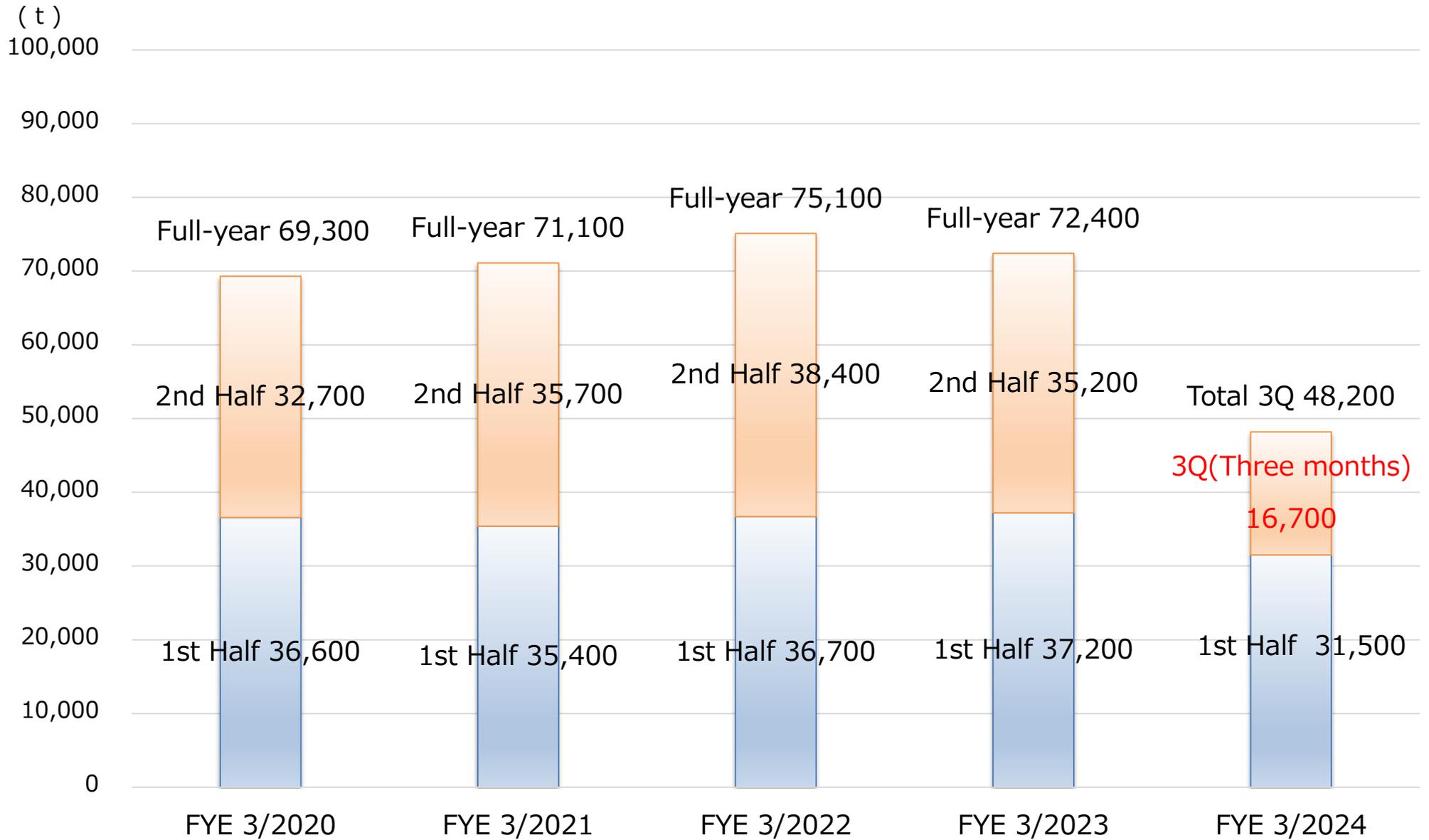
(Note) **Different from our purchase prices.** Only for reference regarding price fluctuations.



(yen/kg)	FYE 3/2020	FYE 3/2021	FYE 3/2022	FYE 3/2023	FYE 3/2024
Average Price	186	168	225	274	264

Source: Prepared by our company based on the Ministry of Finance's "Trade Statistics of Japan" (<http://www.customs.go.jp/toukei/info/>)

Change of Shipping Volume of High-Purity Hydrofluoric Acid (Semiconductors)



Balance Sheet

(million yen)	FYE 3/2023 End-of-Year	Dec.31,2023	Increase/ Decrease	Percentage Increase/ Decrease
Assets	55,471	57,641	2,170	3.9
Cash and deposits	15,097	16,730	1,632	10.8
Operating receivables	7,110	6,594	-516	-7.3
Inventory assets	5,496	5,460	-36	-0.7
Property, plant, and equipment	22,625	23,640	1,015	4.5
Intangible assets	261	178	-83	-31.8
Liabilities	12,309	12,828	518	4.2
Operating liabilities	3,590	2,607	-983	-27.4
Interest-bearing liabilities	4,138	5,425	1,286	31.1
Net Assets	43,162	44,813	1,651	3.8
Equity capital	42,875	44,566	1,690	3.9
Liabilities and Net Assets	55,471	57,641	2,170	3.9

Financial Forecast

(million yen)	FYE 3/2023 Actual	FYE 3/2024 Forecast	Increase/ Decrease	Percentage Increase/ Decrease
Sales Revenue	35,382	32,300	-3,082	-8.7
Operating Profit	3,514	2,800	-714	-20.3
Ordinary Profit	4,347	2,450	-1,897	-43.7
Profit Attributable to Owners of Parent	2,280	1,650	-630	-27.7

Earnings Per Share (yen)	186.03	137.33	-48.70
Dividend (yen)	60	(※) 145	85
ROE (%)	5.4	3.8	-1.6

※Released on
Feb. 13th, 2024

Capital Expenditures	5,408	4,400	-1,008	-18.6
Depreciation & Amortization	2,593	2,750	156	6.1
Research & Development Expenses	660	750	89	13.5

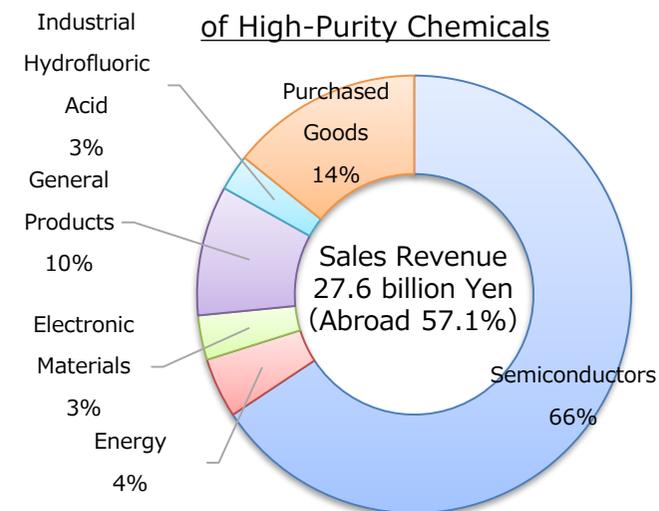
Forecast on Sales Revenue and Operating Profit by Business Segment

(million yen)	Sales Revenue				Operating Profit			
	FYE 3/2023 Actual	FYE 3/2024 Forecast	Increase/ Decrease		FYE 3/2023 Actual	FYE 3/2024 Forecast	Increase/ Decrease	
			Amount	%			Amount	%
High-Purity Chemical Business	30,707	27,690	-3,017	-9.8	2,961	2,330	-631	-21.3
Transportation Business	4,504	4,430	-74	-1.7	533	450	-83	-15.7
Other	170	180	9	5.5	30	30	-0	-2.5
Eliminations and Corporate	-	-	-	-	-11	-10	1	-
Total	35,382	32,300	-3,082	-8.7	3,514	2,800	-714	-20.3

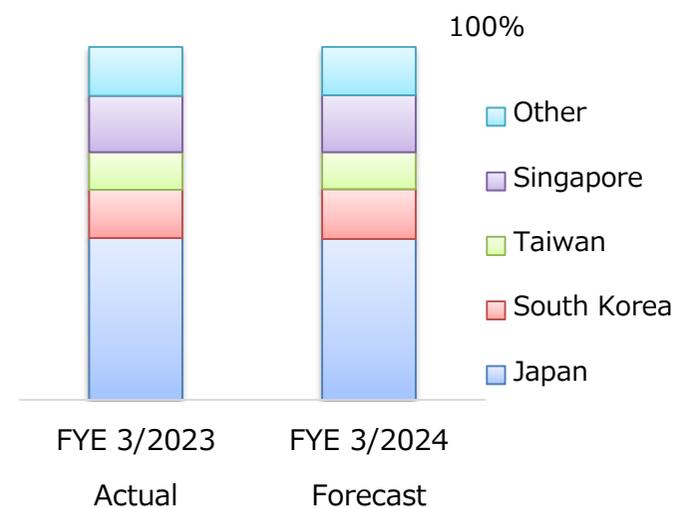
Forecast on Sales Revenue of High-Purity Chemical Business (Breakdown)

(million yen)	FYE 3/2023 Actual	FYE 3/2024 Forecast	Increase/Decrease	Percentage Increase/Decrease
Semiconductors	19,049	18,200	-849	-4.5
Energy	996	1,230	233	23.4
Electronic Materials	1,032	910	-122	-11.8
General Products	2,514	2,660	145	5.8
Industrial Hydrofluoric Acid	1,739	740	-999	-57.5
Purchased Goods	5,375	3,950	-1,425	-26.5
Total	30,707	27,690	-3,017	-9.8

Sales Revenue Constituent Ratio



Semiconductors Shipping Ratio by Country



Shareholder Return

[New Shareholder Return Policy (Released on May 9th ,2023)]

The company recognizes that providing stable and continuous dividend payments, giving comprehensive consideration to factors including its financial condition and profit level is an important issue for management.

Further, in addition to balancing growth investments and shareholder returns, in order to improve capital efficiency, the company will aim for a **total return ratio of 100%** with an applicable period (FYE 3/2024 and FYE 3/2025).

Retained earnings will be allocated to capital investment and R&D investment, and will be proactively utilized for future business development to enhance corporate value.

Shareholder Return

[Dividend paid and dividend forecast]

- ◆ FYE3/2023
 - Annual dividend: 60 yen per share
 - The Company repurchased 500,000 of its own shares (worth 1,350 million yen)

- ◆ FYE3/2024
 - **Annual dividend forecast : 145 yen per share** (Released on Feb.13th, 2024)



Reference Material

(Corporate Profile • Introduction of Our Business)

Corporate Profile

(as of Dec 31th, 2023)

Corporate Name	STELLA CHEMIFA CORPORATION	
Head Office	Meiji Yasuda Seimei Osaka Midosuji Bldg. 10F, 4-1-1 Fushimi-machi, Chuo-ku, Osaka City, Osaka	
Founded/Established	February 1916 / February 1944	
Capital Fund	4,829,782,512 yen	
Representatives	Representative Director, President and Chief Executive Officer: Aki Hashimoto Representative Director, Senior Managing Director (Products Management Group): Kiyonori Saka	
U R L	https://www.stella-chemifa.co.jp/english/	
Number of Employees	292	
Sales Department	Osaka Sales Department (Chuo-ku, Osaka city, Osaka) Tokyo Sales Department (Chiyoda-ku, Tokyo)	
Production bases	Sanpo Factory (Sakai-ku, Sakai City, Osaka) Izumi Factory (Izumiotu City, Osaka) Kitakyushu Factory (Yahatanishi-ku, Kitakyushu City, Fukuoka)	
R & D base	Next Generation Materials Research Lab (Sakai-ku, Sakai City, Osaka : Located within Sanpo factory premises)	



Subsidiaries & Associates

At home (3 companies)

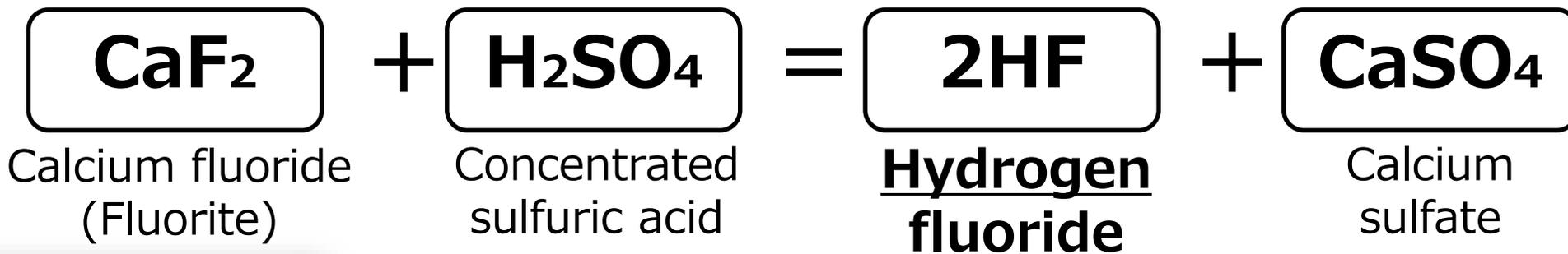
Transportation Business	BLUE EXPRESS, Inc.	Sakai-ku, Sakai City, Osaka
Other Business	BLUE AUTO TRUST Co., Ltd.	Sakai-ku, Sakai City, Osaka
Medical Business	STELLA PHARMA CORPORATION	Chuo-ku, Osaka city, Osaka

Abroad (6 companies)

High-Purity Chemical Business	STELLA CHEMIFA SINGAPORE PTE LTD	Singapore
Transportation Business	STELLA EXPRESS (Singapore) PTE LTD	Singapore
High-Purity Chemical Business	Blue Express (Shanghai) International Trade Inc.	China
Transportation Business	Blue Express (Shanghai) International Freight Forwarding Co., Ltd.	China
High-Purity Chemical Business	Zhejiang Blue Star Chemical Co., Ltd.	China
High-Purity Chemical Business	Quzhou BDX New Chemical Materials Co., Ltd.	China

Introduction of Our Business

Manufacture and applications of hydrogen fluoride



*There are five main grades of fluorite purity, and for semiconductor applications, high quality fluorite with a purity of 97% or higher is required.

Concrete materials, etc.

Reaction and refinement using our proprietary technology

Treatment of surface such as stainless steel

Raw materials such as alternatives for CFCs

Chemicals for etching and cleaning for semiconductors

Materials for lithium-ion secondary batteries

Enriched Boron

Reaction catalyst
Other products

Introduction of Our Business

High-Purity Chemical Business

Semiconductors	<ul style="list-style-type: none">• Manufacture and sale of chemicals for etching and cleaning in the semiconductor and LCD panel manufacturing processes
E n e r g y	<ul style="list-style-type: none">• Manufacture and sale of enriched boron (boron 10) used for energy related facilities and cancer therapy (BNCT)
	<ul style="list-style-type: none">• Manufacture and sale of additives to improve the performance of lithium-ion secondary batteries
E l e c t r o n i c M a t e r i a l s	<ul style="list-style-type: none">• Manufacture and sale of tantalum production aids for tantalum capacitors
	<ul style="list-style-type: none">• Manufacture and sale of raw materials for camera and stepper lenses
	<ul style="list-style-type: none">• Manufacture and sale of R&D products in the small-quantity production stage
General Products	<ul style="list-style-type: none">• Manufacture and sale of raw materials for production of phosphors and phosphors used for LEDs
	<ul style="list-style-type: none">• Manufacture and sale of a range of chemicals and catalysts for the manufacture of pharmaceutical intermediates, etc.
	<ul style="list-style-type: none">• Manufacture and sale of toothpaste additives to prevent tooth decay and gingivitis• Manufacture and sale of other fluorine compounds
I n d u s t r i a l Hydrofluoric Acid	<ul style="list-style-type: none">• Manufacture and sale of hydrofluoric anhydride, raw materials for CFCs and fluoropolymers
	<ul style="list-style-type: none">• Manufacture and sale of chemicals used for acid cleaning of stainless steel and slimming of LCD panels
Purchased Goods	<ul style="list-style-type: none">• Sales of purchased goods

Introduction of Our Business

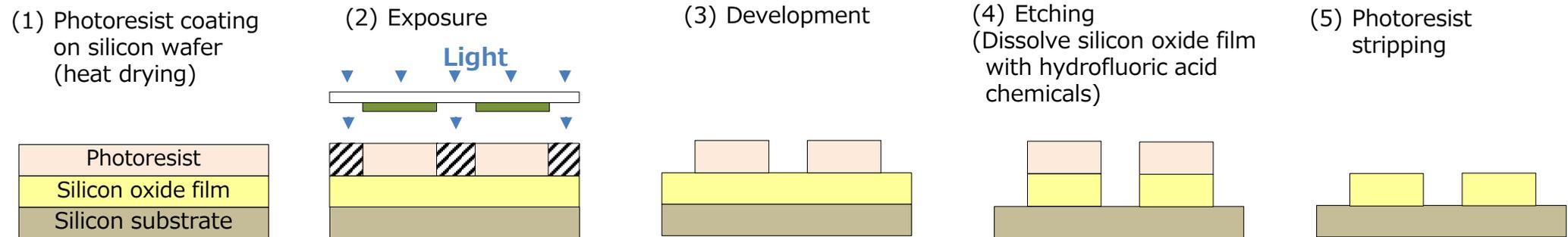
- Semiconductors -

Ultra-High Purification Technology

- Impurity levels of less than 1 ppt (1×10^{-12}) are controlled by ultra-purification and ultra-cleaning technologies
- Mass production of ultra-pure chemicals for ultra-high integrated circuit

<p>Ultra High Purity Hydrofluoric Acid</p>	<ul style="list-style-type: none"> • Hydrofluoric acid (HF) is the only chemical capable of etching out silicon oxide film • Chemical solutions are indispensable to the semiconductor manufacturing process and require ultra-high purity • In particular, dilute hydrofluoric acid is used in a number of semiconductor processes
<p>Ultra High Purity Buffered Hydrofluoric Acid</p>	<ul style="list-style-type: none"> • Mixed aqueous solution of hydrofluoric acid (HF) and ammonium fluoride (NH_4F) • Mainly used in processes such as etching and cleaning of insulation films • Chemicals with etch rates ranging from tens of Å/min to thousands of Å/min can be produced

Example of Application (Photolithography Process)



Introduction of Our Business

- Semiconductors -

Examples of the company's products

Product name (Semiconductors)	Description
Ultra-high-purity hydrofluoric acid	Chemical solutions used in the wet etching and wet cleaning of silicon wafers in the manufacture of semiconductors, FPDs, solar cells and MEMS
Ultra-high-purity buffered hydrofluoric acid	Mixed aqueous solution of ultra-high purity hydrofluoric acid and ammonium fluoride solution
BHF	A chemical mixed with 50% hydrofluoric acid and 40% ammonium fluoride solutions
LL BHF	BHF with various functionalities made possible by adding a surfactant
LAL BHF	BHF that contains a surfactant has enabled it to achieve extended service life and given other advantages by optimizing the concentration of ammonium fluoride at 17% to 20%, about half the concentration of ammonium fluoride contained in conventional BHF.
Ex-LAL BHF ※New products	Surfactant-containing BHF (buffered hydrofluoric acid) with ammonium fluoride concentration reduced to 5% or less and crystal precipitation in equipment suppressed
HSN BHF ※New products	Similar to LAL BHF, a chemical solution that allows silicon oxide film etching with high selectivity with respect to a silicon nitride film while having merits such as longer life

Introduction of Our Business

- Semiconductors -

Production capacity of High Purity Hydrofluoric Acid for Semiconductors

Kitakyushu Factory



Kitakyushu City, Fukuoka

30,000 t /year

Sanpo Factory



Sakai City, Osaka

65,000 t /year

STELLA CHEMIFA
SINGAPORE



Singapore

10,000 t /year

105,000 t /year

* As a comprehensive manufacturer of fluorine compounds, we use our own technology to do everything from manufacturing to filling.

Introduction of Our Business

- Energy -



Enrichment plant
(Izumiotsu City, Osaka)

Enriched Boron (Boron-10) and its features

- Natural boron is made up of two isotopes, boron-10(20%) and boron-11(80%)
- Developed technology to enrich boron-10 to over 99%
- Established mass production technology of enriched boron for the first time in Japan(2000)
- Boron-10 has an extremely high capacity to absorb neutrons, and further enriching it can increase its ability to absorb neutrons.

Production capacity

Products		Production Capacity
Enriched Boron	^{10}B	6t / year

(* When converted to the following items)

Enriched Boric Acid	$\text{H}_3^{10}\text{BO}_3$	36t / year
Enriched Potassium tetrafluoroborate	K^{10}BF_4	75t / year

Introduction of Our Business

- Energy -

Applications of Enriched Boron Compounds

- Excess reaction control of pressurized-water reactors by dissolving into primary cooling water
- Neutron-absorbing material of spent nuclear fuel transportation and storage containers
- Material of control rods of nuclear reactors and rack material of spent nuclear fuel pools
- Water source for facilities responding to specific major accidents, etc.
- Raw material for cancer treatment drugs (BNCT: Boron Neutron Capture Therapy)

Advantages of Using Enriched Boric Acid

- (1) Improvement of corrosive environment in nuclear reactors
Required ^{10}B concentration can be secured at 1/5 of natural products.
Operation at low concentration is possible, and corrosion in facilities can be reduced.
- (2) Reduction of storage costs
Heating and heat retention are required to maintain the dissolution of boric acid water.
Enriched boric acid realizes the reduction in concentration, and reduces the problem of heat retention.
In addition, the storage tank can be made smaller.
- (3) More reliable control
In the event of an emergency stop, more reliable control is possible, and since boric acid is harmful to the human body and the environment, the reduction of overall amount of boric acid is an advantage.

Introduction of Our Business

- Energy -

Additives

- Additive for electrolytic solution to improve the performance of lithium-ion secondary batteries
- High-temperature endurance • High conductivity • Increased capacity • Low resistance • Flame retardance

Lithium Hexafluorophosphate

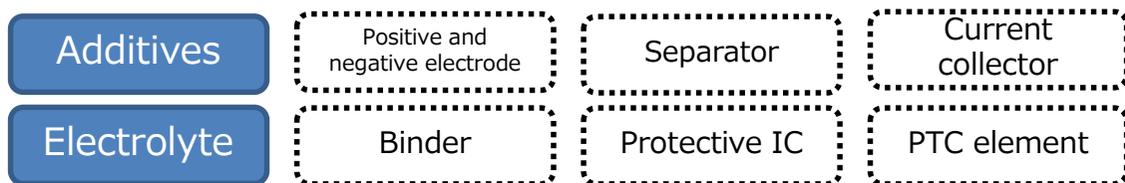
- High-purity electrolytes for lithium-ion secondary batteries

* Manufacture and sale at our affiliate company in China (Quzhou BDX New Chemical Materials Co., Ltd.)



Izumi Factory's manufacturing building (Izumiotsu City, Osaka)

Example of materials used in lithium-ion secondary batteries



Quzhou BDX New Chemical Materials Co., Ltd. (China)

Introduction of Our Business

- General Products -

Tin Fluoride

- 2017
The GMP inspection by USFDA for tin fluoride, an active ingredient of OTC anticaries drugs, was completed, and obtained official approval.
- 2018
Started marketing of “tin fluoride” as a GMP-compliant product.



Izumi Factory's manufacturing building
(Izumitsu City, Osaka)



- * We expect to see big demand mainly in Europe and the US, where there is strong interest in dental health and beauty.

⇒ We are also developing new applications other than toothpaste
(e.g., hoof sterilization)

Introduction of Our Business

- New Initiatives(semiconductors) -

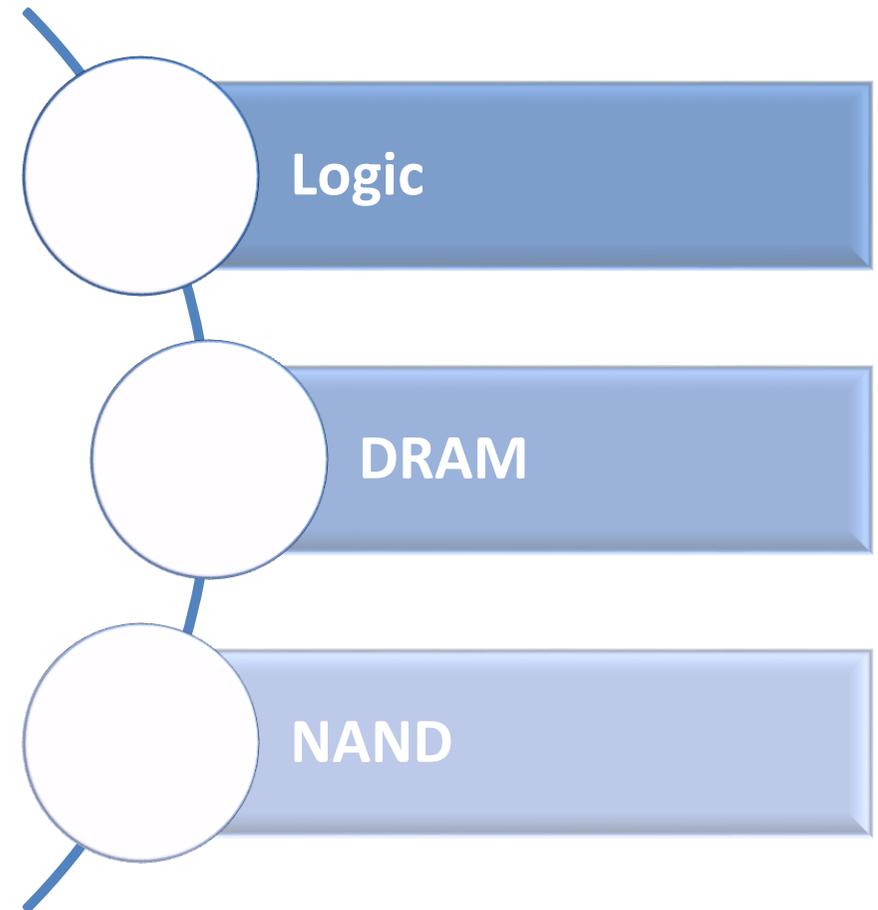
Chemicals for semiconductors

Trends in advanced semiconductors

- In addition to miniaturization, the scaling of semiconductor devices is advancing due to technological innovations such as three-dimensional structures and the application of new materials.
- The functionality required of hydrofluoric acid and buffered hydrofluoric acid varies, and quality requirements are becoming increasingly strict.

Selection and concentration of development

- Focusing on logic and memory.
We are promoting the development of functional chemical solutions that can contribute to technological innovation.
- We are continuing to focus on initiatives to guarantee extremely small particles to adapt to the manufacture of nanoscale semiconductor devices.



Introduction of Our Business

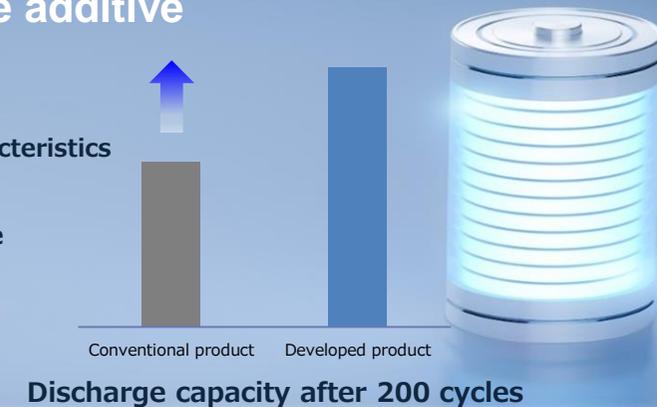
- New Initiatives(Energy) -

Development of an electrolyte additive for lithium-ion secondary batteries

- Application to high capacity Ni (Nickel) based positive electrode materials
Control of deterioration in response to high voltages and high temperature loads
- A prototype is currently being prepared for sample work

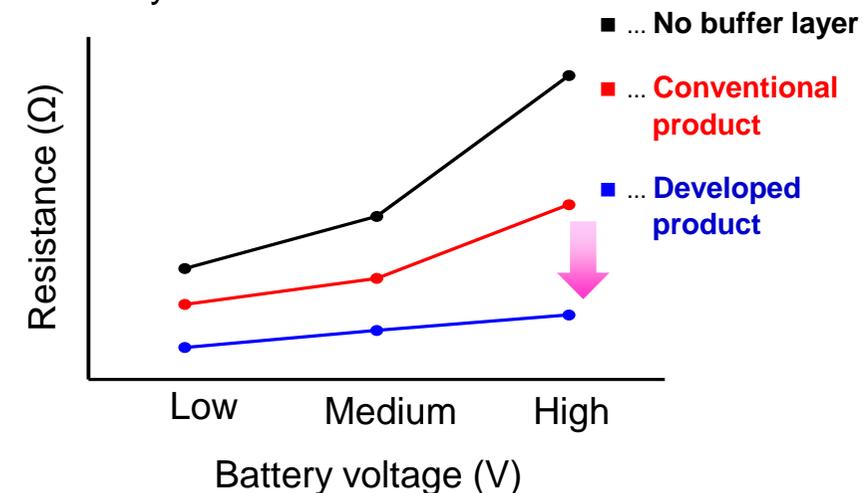
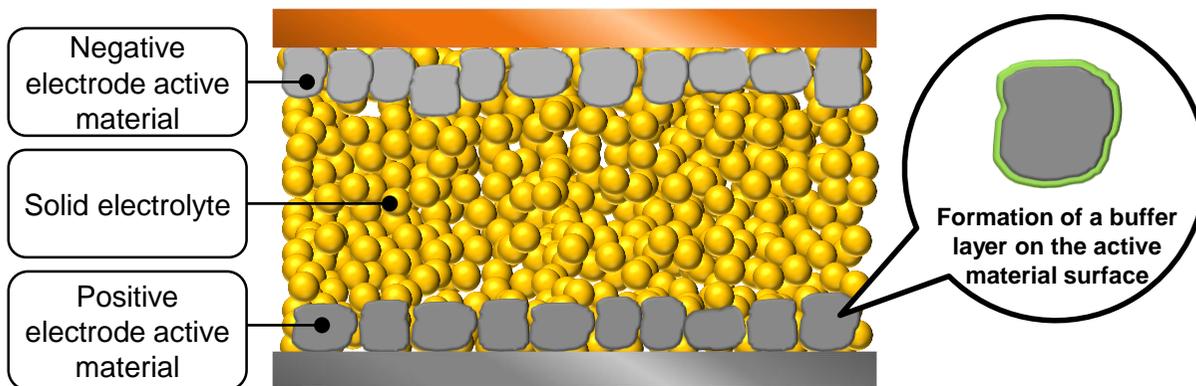
Characteristics of the additive under development

- ✓ Improvement of cycle characteristics
- ✓ Reduction of resistance
- ✓ High temperature resistance



Development of a material for all-solid-state batteries

- We are currently promoting the development of a material for the higher performance of all-solid-state batteries.
- Approaches to facilitate electrode reactions at the positive active material-electrolyte interface

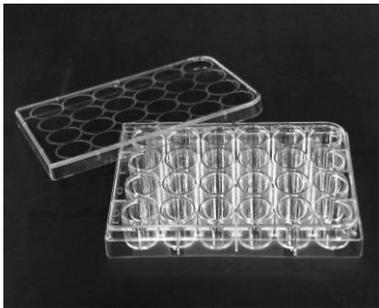


Introduction of Our Business

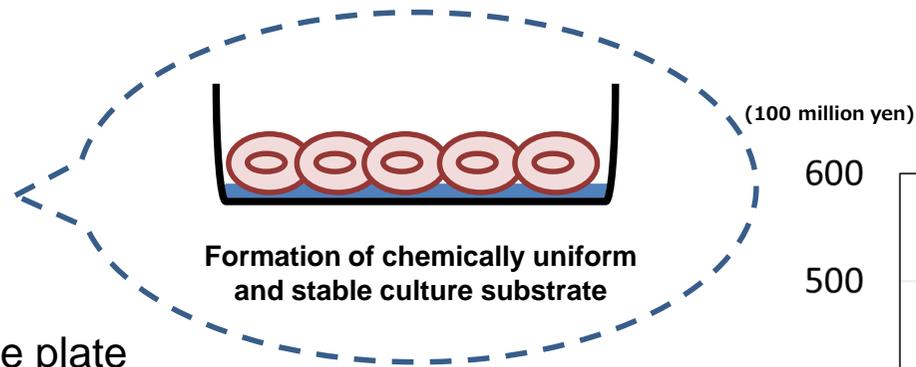
- New Initiatives(Cell Culture vessel) -

Cell culture vessel

- We have developed cell culture plate applying the company's unique surface processing technology cultivated in high-purity chemicals business.
- We have started providing samples to research institutions, etc. We are currently working on expanding our product lineup in response to requests from users.
- The evaluation of culture performance is underway with joint research collaborators, and we are working on the strengthening of PR data.

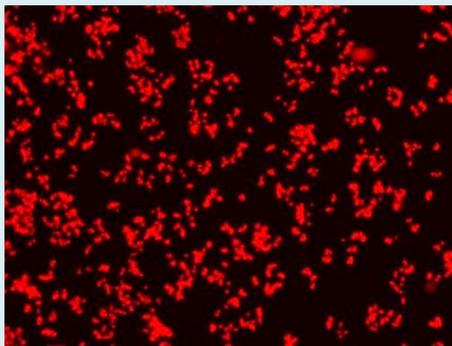


The developed cell culture plate

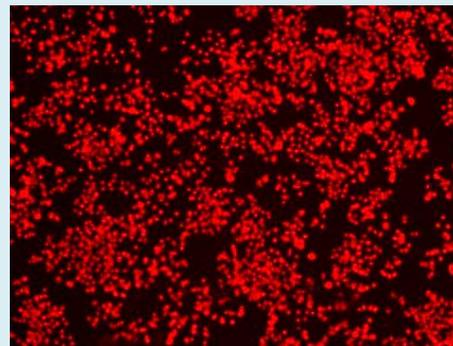


Evaluation of cell proliferation (cells: red)

General product

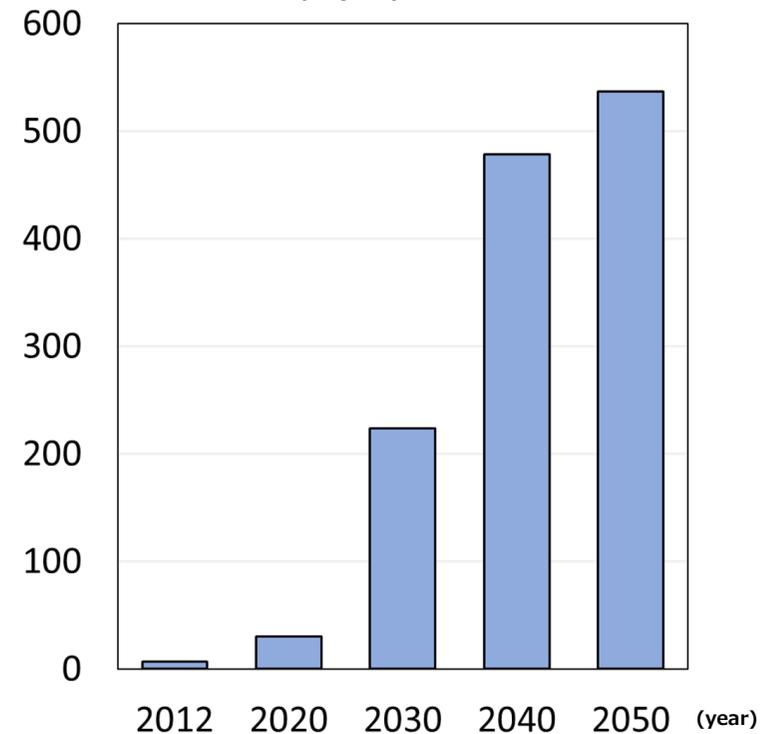


Product developed by our company



Good proliferation

Forecast of the future size of the market for cultivation containers including plates and flasks (Japan)



Excerpted from Ministry of Economy, Trade and Industry, "Forecast of the future size of the market for regenerative medicine peripheral industries"

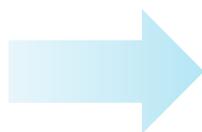
Introduction of Our Business

- New Initiatives(Electronic Materials1) -

Phosphor-related Materials

- Tablets and LCD TVs will feature mini-LED backlight LCDs, which will lead to their wider use.
- The expansion of needs is expected, using the merits of phosphor, which is more stable than quantum dots, such as the adoption of phosphor films for automotive displays.
- The trend for adoption of fluoride phosphor for high-end model lighting is accelerating.

Fluoride phosphor(LSA-61A)



<Digital signage>



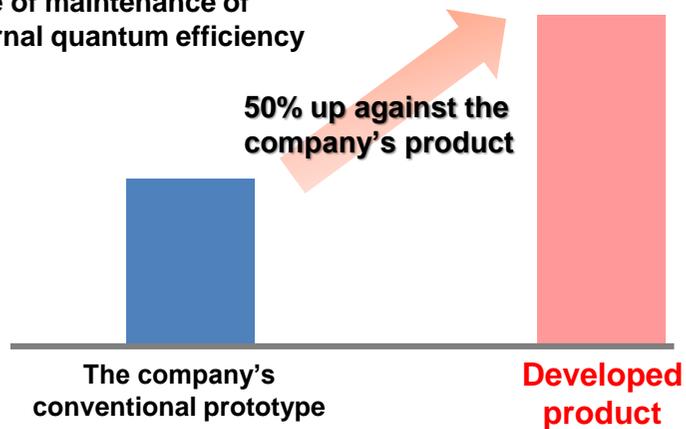
<Display>



< LED lighting >

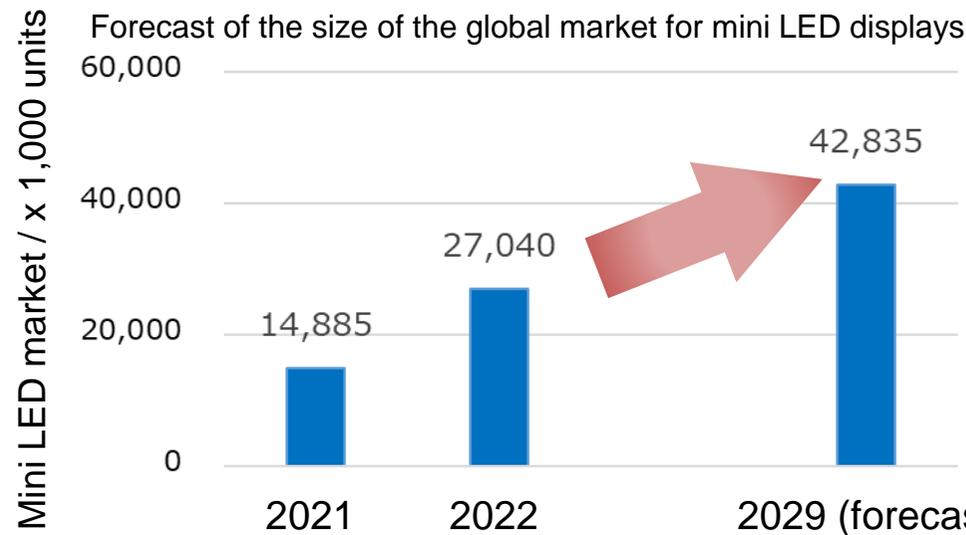


Rate of maintenance of internal quantum efficiency



After storage at 85 degrees celsius and 85% RH for 1,000 hours

Success in the improvement of durability => currently promoting sample work for customers



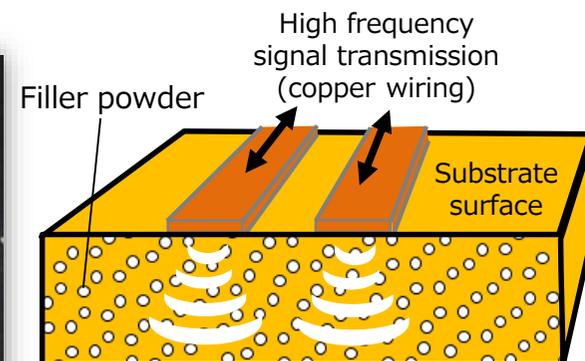
Source: Yano Research Institute
Market Forecast on 5G High-frequency Circuits, Substrates, etc.

Introduction of Our Business

- New Initiatives(Electronic Materials2) -

PCB Materials (Low Dielectric Constant Materials)

- Development of low dielectric fillers for high frequency substrates



Filler for the suppression of transmission loss

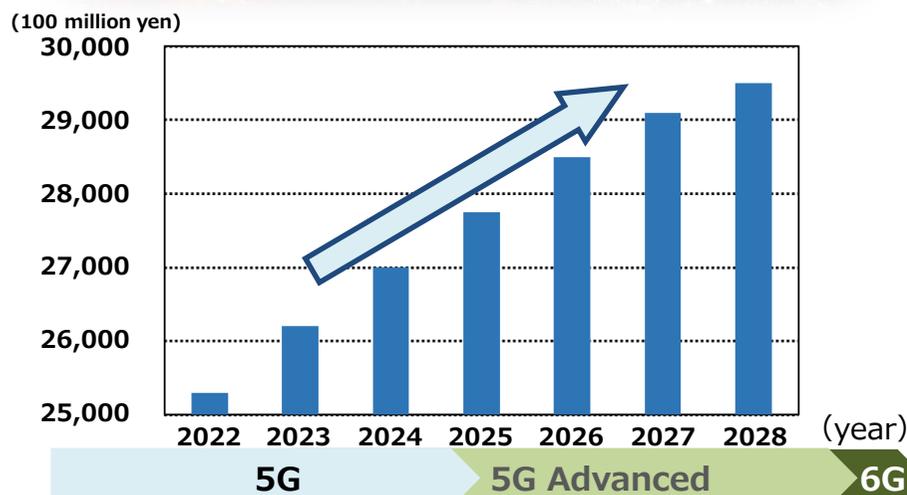
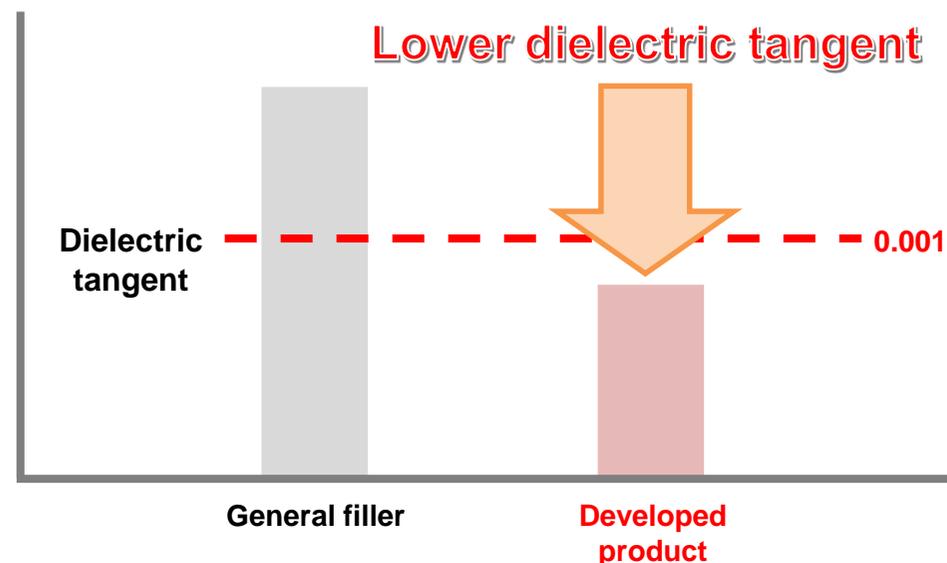


Figure. Trends and forecasts of market size of flexible printed circuit (FPC)
(Source: Fuji Chimera Research Institute)



Success in the development of a new high-performance filler (dielectric tangent of 0.001 or lower @ 10 GHz)
We are promoting customer evaluations as a substrate material for high frequency use

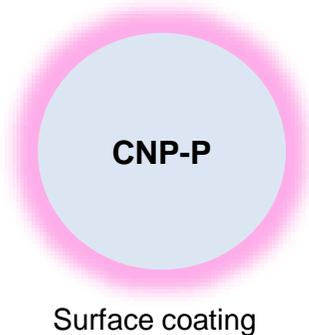
Introduction of Our Business

- New Initiatives(Electronic Materials3) -

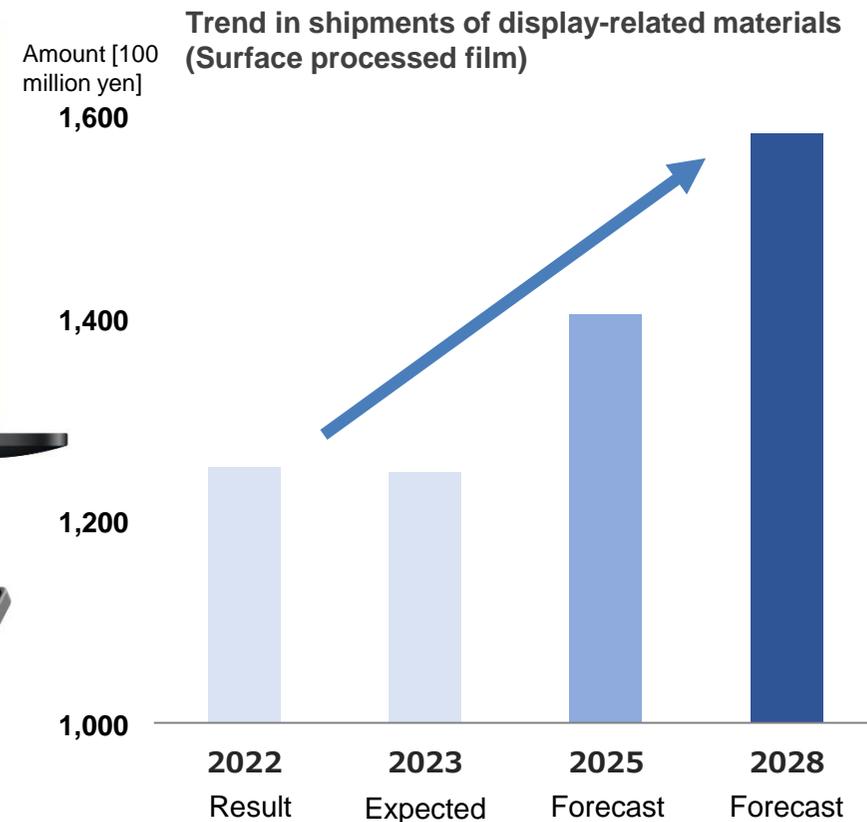
High-performance fluoride materials (nanomaterials)

- “CNP-P” fluoride nanoparticle dispersion solution with low refractive index for antireflection film
- We have developed “**CNP-PS1**,” which contributes to the improvement of film strength, and have started the shipment of samples.

[CNP-PS1]



- ✓ Fluoride nanoparticles
- ✓ Low refractive index
- ✓ Chemical resistance
- ✓ **Increased film strength**



* Source: Fuji Keizai Co., Ltd., “2023 Current status of and future prospects for display-related markets”

Introduction of Our Business

- New Initiatives(Electronic Materials4) -

Antistatic agent

- Using our ionic compound synthesis technology, we developed a highly pure material able to provide excellent antistatic performance.

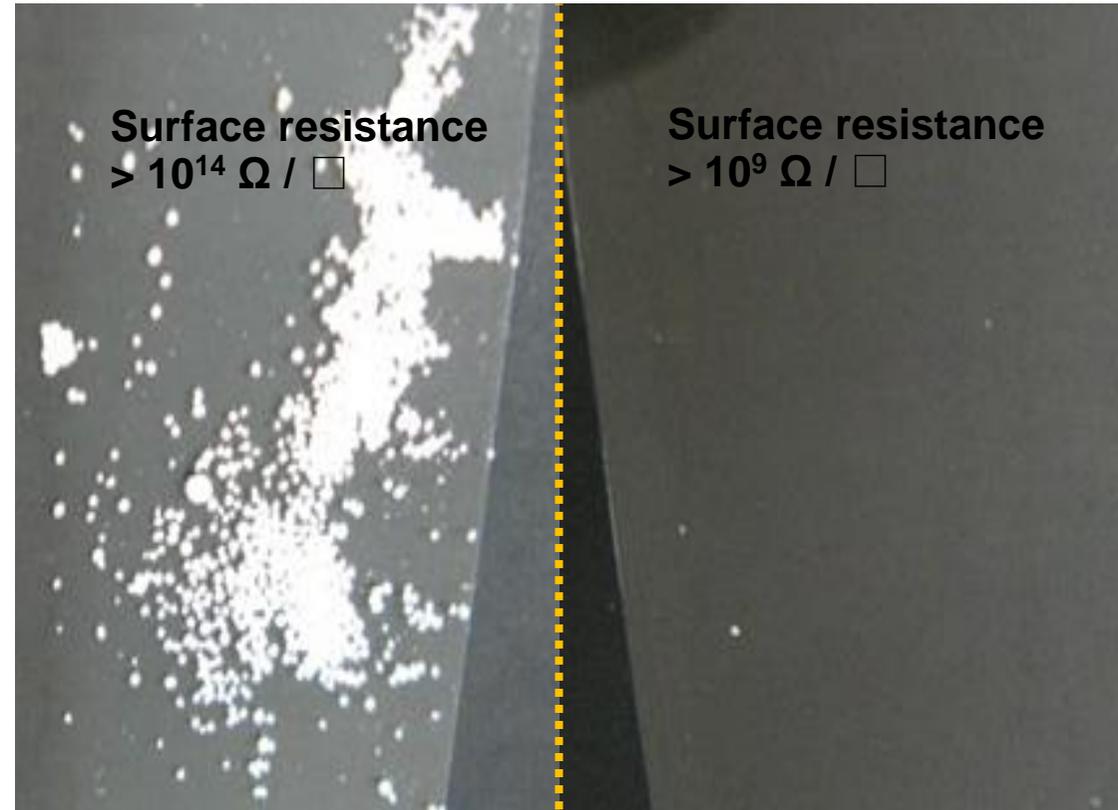


The company's developed product (AS series)

The growth of the market for antistatic agents is expected due to the rapid industrialization and significant growth of the electronics industry in emerging economies.

Unprocessed
Resin powder adheres to
the whole surface

Antistatic agent application
Virtually no adhesion of resin
powder



Antistatic testing with the company's developed product

Introduction of Our Business

- Other product examples -

(Product information)



Optical Material-Related

- ◆ Calcium Fluoride
- ◆ Aluminum Fluoride
- ◆ Lithium Fluoride
- ◆ Strontium Fluoride
- ◆ Barium Fluoride
- ◆ Magnesium Fluoride
- ◆ Lead Fluoride

Reactive Catalyst-Related

- ◆ High Purity Boron Trifluoride
- ◆ Boron Trifluoride Diethyl Ether
- ◆ Boron Trifluoride Dimethyl Ether
- ◆ Boron Trifluoride n-Butyl Ether
- ◆ Boron Trifluoride Tetrahydrofuran
- ◆ Boron Trifluoride Phenol
- ◆ Boron Trifluoride Monoethyl Amine
- ◆ Boron Trifluoride Piperidine
- ◆ Triethylamine 3HF

Surface Treatment, Alternatives for CFCs-Related

- ◆ Anhydrous Hydrofluoric Acid
- ◆ 55% Hydrofluoric Acid

Nuclear Energy-Related

- ◆ ¹⁰B Enriched Potassium Fluoroborate
- ◆ ¹⁰B Enriched Boric Acid

Other Products

- ◆ Potassium Fluorosilicate
- ◆ Fluoroboric Acid
- ◆ Tin Fluoroborate
- ◆ Copper Fluoroborate
- ◆ Lead Fluoroborate
- ◆ Zinc Fluoroborate
- ◆ Sodium Fluoroborate
- ◆ Potassium Fluoroborate
- ◆ Ammonium Hydrogenfluoride
- ◆ Sodium Fluoride
- ◆ Potassium Fluoride
- ◆ Ammonium Fluoride
- ◆ Potassium Hexafluorozirconate
- ◆ Potassium Hexafluorotitanate
- ◆ Refined Calcium Fluoride
- ◆ Potassium Hexafluorophosphate

Newly-Developed Products

- ◆ Detergents Contributing to Increase in Chemical Lifetime
- ◆ Detergents Suppressing Etching of Silicon Nitride Film
- ◆ Battery-Related (Electrolytes for Sodium Ion Batteries - Sodium Hexafluorophosphate, Additives for Lithium-Ion secondary Batteries, Material for all solid state Lithium-ion secondary battery)
- ◆ Various Fluoride Nanoparticles Dispersant (Magnesium, Lithium, Ytterbium, Calcium, CNP-P)
- ◆ Phosphor materials
- ◆ Nuclear Energy Industry
- ◆ 5G/6G (Information Communication Systems), Printed Circuit Board
- ◆ Special-Purpose Inorganic Fluorine Compounds
- ◆ Fluorinated Carbon Nano-Tubes

Introduction of Our Business

くらしのなかの
ステラケミファ



* For details, please visit the website.

街のなかでもステラケミファ



家のなかでもステラケミファ



病院のなかでもステラケミファ



学校のなかでもステラケミファ



Introduction of Our Business

- Transportation Business -



(HP URL)

BLUE EXPRESS, Inc.

Transportation Business

T r a n s p o r t	Land transport · Marine transport · Rail transport
Customs Clearance	Customs clearance · Loading and Unloading
W a r e h o u s i n g	Providing multi-functional warehouses fully equipped with the latest systems
Container services	Supplying large and pressurized containers that meet ISO specifications, medium-size IBC pressurized containers, as well as IBC containers with UN specifications, and also offering services for cleaning, repairing and leasing the containers

Customs clearance sites	Shipping terminals	Overseas Bases
Ohama Office	Sendai Office	Singapore
Osaka Office	Kanto Office	China
Yokohama Office	Yokohama Office	
	Shimizu Office	
	Nagoya Office	
	Ohama Office	
	Kobe Office	
	Kitakyushu Office	



Introduction of Our Business

- Transportation Business -

Equipment (as of Jan, 2024)

- * Tractors(142)
- * Container Semitrailers(364)
 - 20FT chassis
 - 35FT chassis
 - 40FT chassis
 - chassis for container
 - Wings Semitrailers
- * Tank Trailer(10)
 - Tank trailers
 - High Pressure Gas Trailers
- * 4~15-Ton Wings Trucks(6)
- * Temperature Controlled Wings Trucks(4)
- * 1~15-Ton Flatbed Bodies(12)
- * Container Carrier(18)
- * Tank Trucks(19)
 - Dedicated Trucks
 - Tank Trucks for High Pressure Gas
- * Tank containers(516)
 - ISO Tank Containers (Teflon Lined)
 - ISO Tank Containers (Reefer)
 - JR Tank Containers (Teflon Lined)
- * Portable Tank (Teflon Lined)(24)

List of vehicle types



Introduction of Our Business

- Transportation Business -

Initiatives aimed at the improvement of corporate value

1. Promoting initiatives focusing on profitability

- Revision of low-price transactions: Revising the rates to ones commensurate with costs and revising the transactions themselves
- Acquisition of new projects: Actively responding to inquiries, identifying potential demand of existing shippers, collaborating with other departments, etc.

2. Construction of stable business foundations

- We recruit with an eye on the future while looking at our age composition, and cultivate managers and senior employees systematically.
- We use external training to promote the acquisition of skills and qualifications.
- We secure vehicles and containers by type matched to needs.

3. Continued strengthening of the compliance system

- We prevent dangerous driving and overwork by using drive recorders and digital tachographs, and reviewing operational management work.
- Enhancement of employee education, promotion of the understanding of related laws and regulations, etc.

4. Handling of the 2024-problem in logistics

- Establishment of an internal system for the “Standards for improvement of the work hours, etc., of automobile drivers (revised in April 2024)”

Introduction of Our Business

- Transportation Business -

TOPICS

[1] Completion of new office building (Head Office)



- A new building has been built on the premises of Ohama Office (Sakai City, Osaka Prefecture). (Completed in August 2023)
- The old office building was demolished to maintain the site for efficient operation.

[2] Completion of new facilities (Yokohama Office)



- Heating facilities for ISO tank containers for dangerous goods, 8 of which can be heated simultaneously, were completed at Yokohama Office. (Started operation in August 2023)

About PFAS

■ What are PFAS?

PFAS stands for **per-** and **polyfluoroalkyl** substances and is a general term for chemical substances that contain at least one **carbon-fluorine** bond (**organo**fluorine compounds).

■ What are the characteristics of PFAS?

Chemical resistance: Strong resistance to solvents, acids, bases, etc.

Heat resistant: Hard to burn

Water and oil repellent: Repel water and oil

Electrical insulation: Can be used as an insulating material due to a low dielectric constant

and more.

Applications include fluorine coating, Teflon coating, photoresists (photosensitive material), wire coating material, battery material (separator), artificial blood vessels, catheters, protective equipment, etc.

■ What are the environmental risks associated with PFAS?

PFAS are virtually indestructible in nature due to their characteristically strong atomic bonds and therefore will remain and continue to accumulate in the environment. It is believed that PFAS may affect human health in various ways if taken into the body. However, there are thousands of kinds of PFAS, and the potential toxicity associated with many PFAS and whether or not they are toxic remains unknown.

■ Does Stella Chemifa handle PFAS?

Our main products, such as hydrofluoric acid, are **inorganic** fluorine compounds that do not have a carbon-fluorine bond, and **we do not manufacture products that fall under the PFAS category.**

■ How will tighter PFAS regulations affect Stella Chemifa?

As noted above, our products are not PFAS so we are not directly affected by PFAS regulations. However, if any of our suppliers' products are subject to PFAS regulations, they may affect our company. Additionally, if any of the manufacturing facilities and components used by our company or suppliers are subject to PFAS regulations, they may affect our company.

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