



15 trillion

Value Creation at Shin-Etsu Chemical

10 trillion

5 trillion

The Shin-Etsu Group has produced a large number of products with high market shares in materials that serve as the foundation of industry and daily life, and has continued to achieve stable growth. It is no exaggeration to say that this is the result of our continuous efforts to make timely and appropriate capital investments with an eye to the future and our unrelenting focus on technological innovation to improve productivity. Amid a market environment that is expected to continue growing, we aim to achieve further growth by providing products that help solve our customers' problems.

**Market
capitalization**

(As of March 31, 2024)

¥13.2 trillion



About Shin-Etsu Chemical

High market shares in Many Materials that Serve as the Foundation for Industry and Daily Life

Infrastructure Materials

Polyvinyl chloride resin (PVC) is essential to our daily lives, from water supply and sewerage systems and other infrastructure (social infrastructure) to housing, agriculture, and everyday products. With a combined annual production capacity of 4.44 million tons at three bases in the US, Europe, and Japan, we boast the world's largest production capacity and provide a stable supply of PVC globally. In addition, we also supply caustic soda, polyvinyl alcohol (POVAL), and other products.

Polyvinyl chloride (PVC) resins



No.1 globally



Electronics Materials

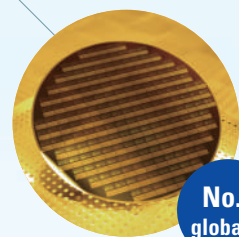
We produce silicon wafers, a key semiconductor material, as well as photoresists, photomask blanks, and encapsulant materials used in the semiconductor manufacturing process. We also supply rare earth magnets, which are essential for power-saving motors used in eco-friendly vehicles and electrical appliances, and high-purity synthetic quartz, which is used as a raw material for optical fibers and for other applications.

Semiconductor silicon (Silicon wafers)



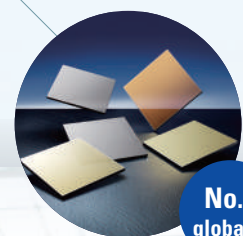
No.1 globally

Photoresists



No.2 globally

Advanced photomask blanks



No.2 globally

Synthetic quartz (for photomask substrates for LCD)



No.1 globally



Functional Materials

In 1953, we were the first Japanese company to commercialize silicone, which is used in a wide range of industries, and since then we have continued to develop our product lineup, which now includes more than 5,000 varieties. We also supply a wide variety of materials that deliver superior functionality, including cellulose derivatives, which are widely used in pharmaceuticals, food products and industrial applications, as well as synthetic pheromones, silicon metal, liquid fluoroelastomers, pellicles, and anode material for lithium ion batteries.

Silicones



No.1 in Japan

Cellulose derivatives (Methylcellulose)



No.2 globally

Synthetic insect repellent pheromones



No.1 globally



Processing & Specialized Services

As a processing manufacturer of various resins such as PVC and silicone, Shin-Etsu Polymer Co., Ltd. meets the diverse needs of customers in a wide range of fields including the automotive, information equipment, semiconductor, packaging material, and construction material industries. Shin-Etsu Engineering Co., Ltd. is involved mainly in the design and construction of the Group's manufacturing plants, and also provides vacuum assembling equipment, micro LED chip transfer equipment, and other products.

Wafer Cases



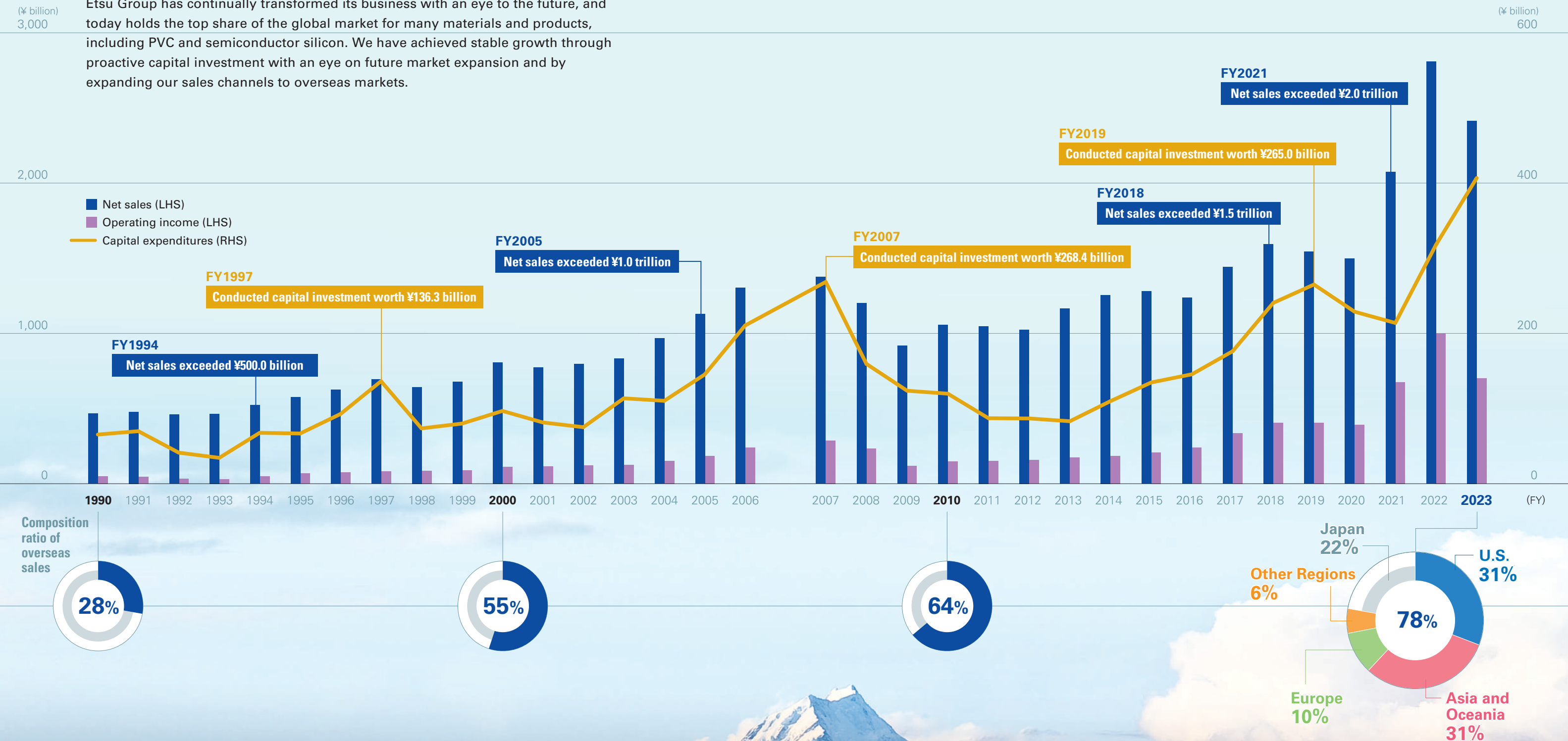
No.1 globally



History

Achieved Steady Growth through Proactive Capital Investment and Overseas Business Expansion

Since its establishment in 1926 as Shin-Etsu Nitrogen Fertilizer Co., Ltd., the Shin-Etsu Group has continually transformed its business with an eye to the future, and today holds the top share of the global market for many materials and products, including PVC and semiconductor silicon. We have achieved stable growth through proactive capital investment with an eye on future market expansion and by expanding our sales channels to overseas markets.



Reasons for Strong Performance

Productivity of People, Organization, and Facilities

We have achieved industry-leading productivity through optimal human resource development centered on personnel with T-shaped skills, a tripartite teamwork manufacturing of customer-focused sales, development, and production that promptly addresses customer needs, and the pursuit of thorough automation and labor savings.

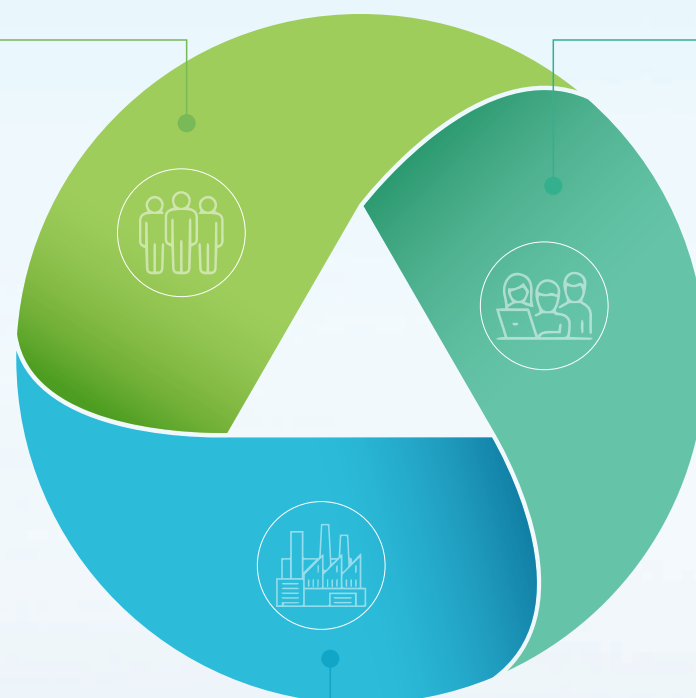
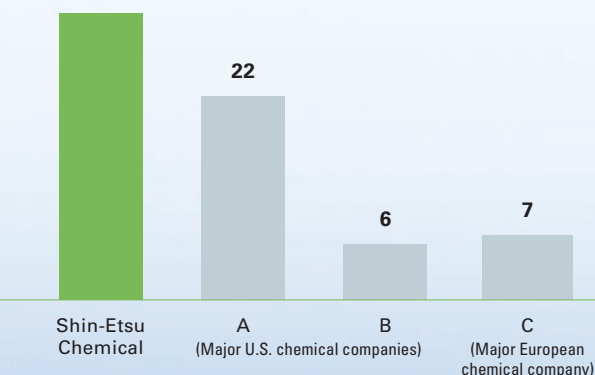
Productivity of People

Developing Personnel with T-shaped Skills and Pursuing a Lean Work Style

We do not carry out one-size-fits-all personnel transfers, but instead develop T-shaped human resources who have deep expertise in their respective fields while also being able to perform a wide range of other duties. These personnel pursue a lean work style and maximize their capabilities, leading to higher productivity per employee.

Operating income per employee (average of the last three fiscal years)

31 million yen /
person per year

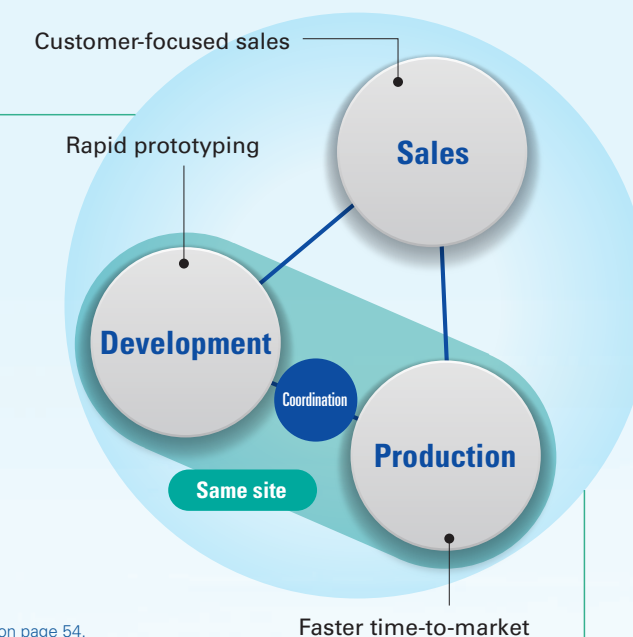


Highly Productive Organization

Tripartite Teamwork Manufacturing that Promptly Captures the Demands of the Times

All our R&D facilities are located on the same premises as our plants, allowing for constant and prompt coordination between development and production in response to customer needs obtained from sales. In addition to rapidly developing products that meet customer needs, we coordinate with production departments to carry out prototyping and practical development toward quality stabilization and mass production at our production plants.

► For details, please refer to the special feature "Tripartite Teamwork Manufacturing" on page 54.



Productivity of Facilities

Achieved High Productivity through Automation

We aim to achieve stable operation with minimal personnel at our production sites, promoting automation and labor savings to the extreme, and thoroughly pursuing more efficient methods when updating and improving existing facilities and building new facilities. In addition, experienced engineers in each process perform meticulous maintenance to minimize equipment stoppages and problems, which results in high productivity.



■ For Future Growth

- We will continue to focus on stable growth by steadily capturing PVC demand and growth in the semiconductor market

