

TO OUR SHAREHOLDERS

NIPPON SHEET GLASS CO., LTD. 157TH FISCAL PERIOD INTERIM REPORT 1 APRIL 2022 - 30 SEPTEMBER 2022

Cover Photo: Veritas Building (Finland) Please refer to the TOPICS (Page6) for the details.

Securities Code: 5202

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Message from the President and CEO

On behalf of the NSG Group, I would like to express my sincere gratitude for your continued support. I would like to present Group's financial results for the first half (from 1 April to 30 September 2022) of the 157th fiscal period (FY2023) as follows.

November 2022 **Shigeki Mori** Representative Executive Officer President and CEO Nippon Sheet Glass Co., Ltd.



Summary of the First Half of FY2023 and Outlook for the Second Half

In the first half of FY2023, while the Group's business environment continued to be severely affected by rising input costs, mainly energy costs, this impact was offset by continuous cost reductions and improvements in sales volumes and selling prices. Architectural glass business performed well in all regions, mainly in Europe, as the impact of rising costs was mitigated by price pass-through. Demand for solar energy glass was also positive. Automotive markets continued to be negatively affected by vehicle production constraint though there were signs that the magnitude of this issue was beginning to lessen towards the end of the guarter. In addition, the Group was able to offset part of the increasing input costs through price pass-through. Technical glass business also remains highly profitable, benefiting from the strong demand in many areas.

On the other hand, an impairment loss of 48.8 billion yen was recorded for the entire amount of all remaining goodwill and intangible assets related to the Group's Automotive business in Europe originally arising on the acquisition of Pilkington. This is mainly due to an increase in discount rates used in the impairment test due to rising interest rates in Europe. As there are signs of a recovery in automobile production volume and the realization of price pass-through, there is no change in the view that the medium-term prospects of this business to be positive.

Consequently, the Group was able to deliver year-on-year improved revenue and profit exceeding our forecast, with revenues of 375.7 billion yen (290.7 billion yen in the same period of FY2022), operating profits of 14.4 billion yen (12.7 billion yen in the same period of FY2022). On the other hand, after recognizing the exceptional cost (net) of 44.9 billion yen including the impairment loss mentioned above, the Group recorded a loss attributable to owners of the parent of 38.8 billion yen (profit of 8.6 billion yen the in the same period of FY2022).

The business environment in the second half of FY2023 is expected to continue to be influenced by soaring input costs significantly. While the Group needs to be cautious about the potential risk of an economic slowdown, Architectural and Technical glass businesses are expected to remain strong for the foreseeable future, and in Automotive business, the constraints on vehicle production are expected to alleviated gradually. The Group aims to achieve the operating profit forecast by achieving full-year operating profits in all business lines.

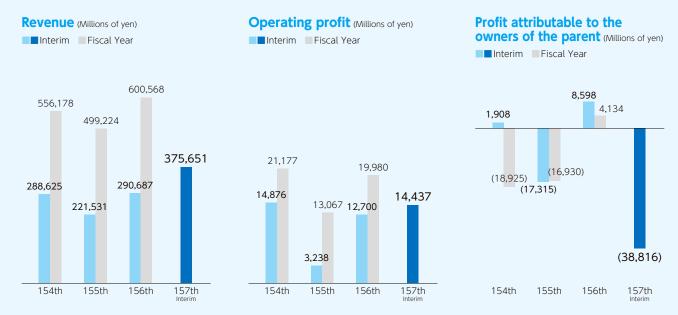
Progress in "Revival Plan 24 (RP24)" as Medium Term Management Plan

The main progress in the first half of this fiscal year under Medium Term Management Plan "Revival Plan 24 (RP24)" (from FY2022 to FY2024), which is in its second year, is as follows.

Regarding the expansion of value-added businesses along with "Business structure reform", the Group has decided to newly install an online coating capacity to manufacture glass for solar panels in an existing float line in Malaysia (Scheduled to start production in FY2024). In addition, construction of a new float furnace was completed in Argentina, where the market continues to expand, and production has started. For "Transformation into more profitable business portfolio", the Group has signed an agreement on the integration of the Group's Automotive business in China with a major Chinese automotive glass manufacturer. For "Restoration of financial stability", even after posting the aforementioned impairment loss, the shareholder's equity ratio remained over 15%, maintaining its financial target of 10% or above. The Group aims to promote the restoration of a further stronger financial base.

Dividends

Recognizing the distribution of profit to shareholders as



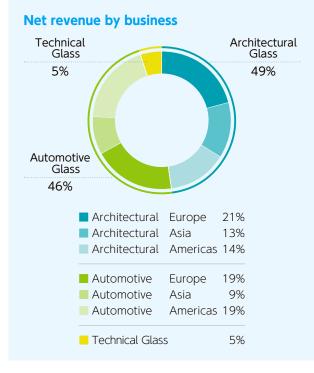
Note: Operating profit in the above is defined as being operating profit stated before exceptional items.

one of its important management objectives, the Group has upheld a stable basic policy of declaring dividend payments on common shares based on sustainable business results. To that end, dividend payments by the Group will be determined in view of the enhancement of its financial status and accumulation of the appropriate level of retained earnings for future business growth.

Regretfully, the Group decided not to declare an interim dividend for this fiscal year, taking into consideration its business results and financial situations comprehensively.

I am deeply sorry and sincerely apologize to our shareholders. The Group recognizes the importance of dividends to its shareholders and will concentrate its efforts to improve profitability with a view to the resumption of dividend payment as early as possible.

I would like to ask your continued understanding and support.



Consolidated		Millions of yen
Income statement (summary)	157th (Interim period) 1 APRIL 2022 - 30 SEPTEMBER 2022	156th (Interim period) 1 APRIL 2021 – 30 SEPTEMBER 2021
Revenue	375,651	290,687
Operating profit	14,437	12,700
Profit before taxation (loss)	(34,543)	14,727
Profit for the period (loss)	(37,006)	9,557
Profit attributable to the owners of the parent (loss)	(38,816)	8,598
Basic earnings per share (loss) (yen)	(438.08)	84.02
Consolidated Millions of yer		
Balance sheets (summary)	157th (Interim period) 30 SEPTEMBER 2022	156th (Fiscal 2021) 31 MARCH 2022
Non-current assets	660,391	637,032
Current assets	347,043	302,249
Total assets	1,007,434	939,281
Total liabilities	824,469	769,926
Total equity	182,965	169,355
Total liabilities and equity	1,007,434	939,281
Consolidated Millions of ye		Millions of yen
Statement of cash flows (summary)	157th (Interim period) 1 APRIL 2022 - 30 SEPTEMBER 2022	156th (Interim period) 1 APRIL 2021 - 30 SEPTEMBER 2021
Net cash inflows from operating activities	11,419	14,475
Net cash outflows from investing activities	(20,916)	(15,861)
Cash flow before financing activities	(9,497)	(1,386)
Net cash inflows/(outflows) from financing activities	1,503	(11,854)
Cash and cash equivalents (net of bank overdrafts) at end of period	55,209	40,736
Note: The consolidated financial statements of the Group have been prepared in accordance with International Financial Reporting Standards (IFRS) from the financial year to 31 March 2012		

the financial year to 31 March 2012. Operating profit in the above is defined as being operating profit stated before exceptional items.

Special Feature

Technologies and Products of NSG Group

Coating Technologies that expand the possibilities of glass

Glass is an essential material for our lives, which is used in various places such as homes, buildings, and vehicles. This old but new material has opened up new possibilities one after another thanks to new technologies such as coating the glass surface with other materials and making changes to the glass composition or surface structure. Libbey-Owens-Ford Company (LOF: currently Pilkington North America Inc.), one of NSG Group companies, was the first company in the world to develop this coating technology.

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It started with anti-fog glass for airplanes

- World's first coating technology development -

Around 1940, countries around the world were racing to develop propeller aircraft. One of the biggest problems was that cockpit glass would fog up. For a pilot, foggy cockpit glass could be deadly. LOF was working to address this problem by developing a fog-resistant glass. The result was an innovative technology that coated glass with tin oxide.

Oct. 21, 1947.

Because tin oxide conducts electricity, it would heat the glass when energized - and thus prevent fogging.

Glass coating technology has continued to evolve since then, and NSG Group's latest online coating technology has been highly evaluated in various advanced fields.

Energy Creation Glass for solar power generation

[For thin-film solar panels]

We supply transparent conductive film glass (NSG TEC[™]) to the world's largest manufacturer of thin-film solar cells. First Solar Inc. We are making a significant contribution to the spread of renewable energy.

[For BIPV (Building Integrated Photovoltaic Power Generation)]

BIPV (Building Integrated Photovoltaic Power Generation) is a new technology that uses windows etc. to generate solar power. NSG TEC[™] is expected to play an important role in this area as well.

Contribution to the Information and Communication Society

Transparent Conductive Coating Glass

Highly durable NSG TEC[™] is used in various applications such as digital signage, touch panel, and electrochromic, contributing to today's information and communication society.

Safety and Health Protection

Antibacterial and Antiviral Glass

Used in a wide range of fields where the propagation of bacteria and viruses is a concern, such as touch panels and construction applications.



Energy Saving & Improved Comfort

"Eco-Glass"

Multi-layered glass that combines Low-E (low-emissivity) glass coated with a special metal film.



Clearer Visibility

low-reflection glass

Glass that greatly reduces the reflection of light on the glass surface to achieve clearer vision.



Light Control

Anti-glare/ **Anti-Soiling Coating**

Various light control functions such as light scattering, antireflection, light conversion to the desired light color, antifouling, etc. are also useful in the agricultural field.



Introduction of the International Year of Glass 2022 special website

Year 2022 is the United Nations International Year of Glass. To celebrate this exciting year, NSG Group is publishing various articles and videos on its



website to share the attractions of glass. You can also read about NSG's coating technologies.



https://www.nsg.com/en/iyog-2022

TOPICS

New Float Glass Plant Started Operation in Argentina, South America

The second float glass plant in Argentina has been completed the construction and started operation in October 2022.

The new plant is located at Los Cardales in the state of Buenos Aires in Argentina and operated by Vidriería Argentina S.A. (VASA), a joint venture subsidiary, the sole float glass supplier in Argentina. In South America including Argentina, demand continues to outpace supply for glass. As part of the measures listed in the medium-term management plan "Revival Plan 24 (RP24)", the Group plans to respond to the strong Architectural and Automotive glass demand in the Argentine and South American markets.



METASHINE® Cosmetics! Elegant, aurora-like luminosity, new release of Aurora Series aimed toward Point Makeup Cosmetics

The Group launched its new line of glass effects pigments, METASHINE[®] Aurora Series, for point makeup cosmetics such as eye shadow and lipstick in August of this year.

METASHINE[®] is an optical brightening material coated with metals and metal oxides on glass flakes that are low in alkali and heavy metals and boron-free (100% natural origin index*) using NSG's proprietary coating technology.

METASHINE[®] Aurora Series is a cosmetic material that is friendly to both the skin and the environment. It achieves an elegant aurora-like luminosity through a moderate balance of luminosity and graininess while responding to the growing needs for environmental friendly products in the cosmetics market. * Based on ISO16128





New Automotive glass technology "Anti-fogging glass for ADAS (Advanced Driver Assistance System) cameras" won the "Technology Award of the Ceramic Society of Japan".

The Group's new technology for Automotive glass won the Technology Award of the 76th Ceramic Society of Japan, which is given to particularly outstanding achievements in product development and industrialization related to the science and technology of ceramics.

The award-winning Anti-fogging glass for ADAS (Advanced Driver Assistance System) cameras is a technology that prevents the glass in front of the camera from fogging, allowing the driver assistance system to operate normally. It realizes a highly durable, high performance antifogging function that can be maintained over a long period of time, a function that has been difficult to put into practical use. In this award, the technology was highly evaluated for



improving the safety of ADAS and for its potential to be used not only for automobiles but also for drones and home appliances. Today, this glass technology is used in several vehicle models and contributing to their safety.

First for Japanese glass manufacturing industry! NSG's Greenhouse Gas Reduction Target Receives SBTi Certification

The Group's greenhouse gas reduction target by 2030 has been certified by the Science Based Targets initiative (SBTi) for the first time as a Japan based glass manufacturer in June 2022.

The target of reducing greenhouse gas emissions by 30% compared to 2018 by 2030, which was announced in May this year, has now been officially certified by SBTi as a target to limit the average rise of global temperature to well below 2°C from pre-industrial revolution levels.

The NSG Group has successfully manufactured architectural glass in the UK using hydrogen and bio-fuel in the world-first trials. The Group is promoting various measures to reduce greenhouse gas emissions such as installing solar panels and a battery storage system in many facilities, as well as expanding the introduction of renewable energy.



*There are 1,803 SBT certified companies in the world (including 277 Japanese companies) (as of October 3, 2022, according to Ministry of the Environment data).

Cover photo

Beautiful Building working to reduce environmental impact (Finland)



The Veritas Building in the ancient capital of Finland, Turku, is a beautiful building with a façade that changes its color with the sunlight.

The building, which houses Veritas Pension Insurance Company Headquarters, was constructed with a vision of relentless pursuit of environmental preservation and sustainability. A number of Group's high-performance glass products such assolar control glass, were used in the building, which greatly contribute to the reduction of CO₂ emissions.

The Veritas Building has received the Breeam Excellent environmental certificate* for its efforts to reduce environmental impact.

*Breeam (BRE Environmental Assessment Method) : Global environmental performance evaluation system for buildings

Management (as at 30 September 2022)

NSG adopts a Company with Three Committees structure.

Board of Directors

Independent	Hiroshi Ishino		
External Director Chairperson of the Board	Chairperson of Nomination Committee	Audit Committee	Compensation Committee
Independent	Jörg Raupach Sumiya		
External Director	Nomination Committee	Audit Committee	Chairperson of Compensation Committee
Independent External Director	Kunihito Minakawa		
	Nomination Committee	Chairperson of Audit Committee	Compensation Committee
External Director	Yoshihiro Kuroi		
Independent External Director	Shinji Asatsuma		
	Nomination Committee	Audit Committee	Compensation Committee
Shigeki Mori			
Director	Nomination Committee		Compensation Committee
Director	Munehiro Hosonuma		
Director	Tony Fradg	gley	

Executive Officers

Representative Executive Officer President and CEO	Shi
Representative Executive Officer Vice President and COO	Μι
Senior Executive Officer	То
Senior Executive Officer	Lec
Senior Executive Officer	Ко
Senior Executive Officer	Re
Senior Executive Officer	His
Senior Executive Officer	Ro
Senior Executive Officer	Phi
Executive Officer	Mi
Executive Officer	Shi
Executive Officer	Yu
Executive Officer	lai
Executive Officer	Mi

Shigeki Mori Munehiro Hosonuma Tony Fradgley Leopoldo Garces Castiella Koichi Hiyoshi Reiko Kusunose Hisashi Okamoto Rob Purcell Phil Wilkinson Mike Greenall Shiro Kobayashi Yutaka Nakashima Iain Smith Milena Stanisci

Corporate Data (as at 30 September 2022)

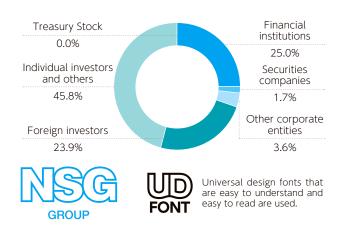
Company Name Head Office	Nippon Sheet Glass Co., Ltd. Sumitomo Fudosan Mita Twin Building West Wing, 5-27, Mita 3-chome, Minato-ku, Tokyo 108-6321 Japan
Established	22 November 1918
Number of Permanent Employees (consolidated)	24,643
Paid-in Capital	JPY116,747 million
Accounting Auditor	Ernst & Young ShinNihon LLC
Stock Listing	Tokyo Prime market (Code: 5202)
Contact	https://www.nsg.com/en/contact-us

Stock Information (as at 30 September 2022)

Number of Shares/Shareholders

Authorized Number of Shares to be Issued		177,500,000 shares
Authorized Number of Shares to be Issued by Class	Common Shares Class A Shares	177,500,000 shares 40,000 shares
Issued Shares	Common Shares Class A Shares	91,146,999 shares 30,000 shares
Number of Shareholders	Common Shares Class A Shares	48,712 3

Distribution of NSG Shareholders (Common Share)



Shareholder Information

Fiscal Period	1 April to 31 March of the following year
Ordinary General Meeting of Shareholders	Held annually in June
Record Dates	Ordinary General Meeting of Shareholders: 31 March Dividend: 30 September and 31 March
Public Notice	https://www.nsg.com/
Transfer Agent	Sumitomo Mitsui Trust Bank, Limited 4-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan
Operating Office	Stock Transfer Agency Department, Sumitomo Mitsui Trust Bank, Limited 4-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan
(Mail Address)	Stock Transfer Agency Department, Sumitomo Mitsui Trust Bank, Limited 8-4, Izumi 2-chome, Suginami-ku, Tokyo 168-0063, Japan
(Telephone Number)	0120-782-031 (toll free in Japan)

If you need to record any changes in your address, personal details or any other relevant matter, please contact the securities company administrating your shareholder account. If you do not use a securities company, please notify our transfer agent as shown above.

Electronic Provision System for general shareholders' meeting materials will start next year!

Due to revisions to the Companies Act, Electronic Provision System for general shareholders' meeting materials will be introduced from the general shareholders' meeting to be held after March 2023. Please refer to the enclosed leaflet regarding this system (published by Trust Association of Japan).

*Electronic Provision System is a system for providing materials for general meetings of shareholders by posting them on websites such as the company's website and notifying shareholders of the website address, etc. in writing.

