

ESG Briefing

AGC's Sustainability Management

— Addressing Climate Change Issues —

The AGC logo is displayed in a white rectangular box on the right side of the slide. The letters 'AGC' are in a bold, blue, sans-serif font. A small red square is positioned above the letter 'G'.

AGC Inc.

September 5, 2022

Your Dreams, Our Challenge

- **AGC's Sustainability Management** **P.3**
- **Initiatives to Address Climate Change** **P.11**
- **In Conclusion** **P.49**
- **Appendix** **P.51**

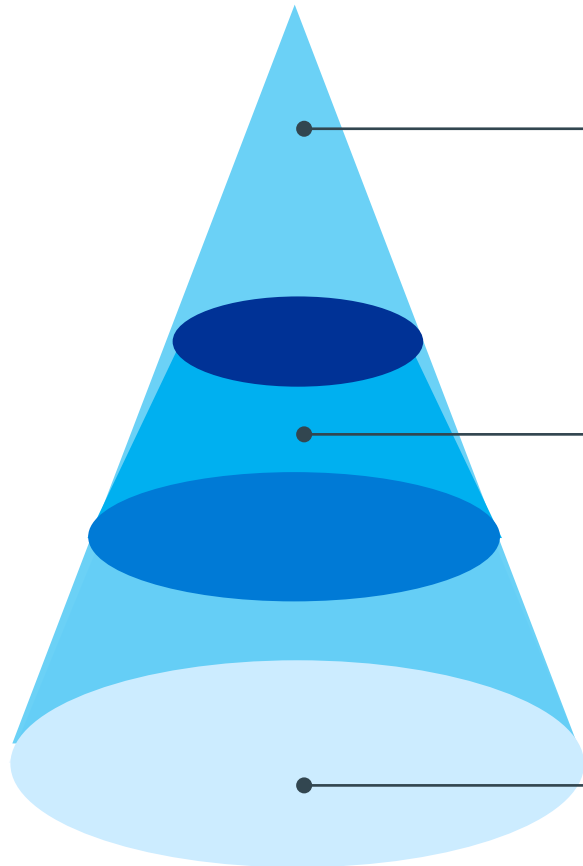
1. AGC's Sustainability Management

- Countries/companies are accelerating their efforts toward the realization of a sustainable society.

Global initiatives toward sustainability



Increasing demand on companies for the realization of a sustainable society



Our mission

"AGC, an everyday essential part of our world"
- AGC's unique materials and solutions make people's lives better around the world every day.-

Our shared values

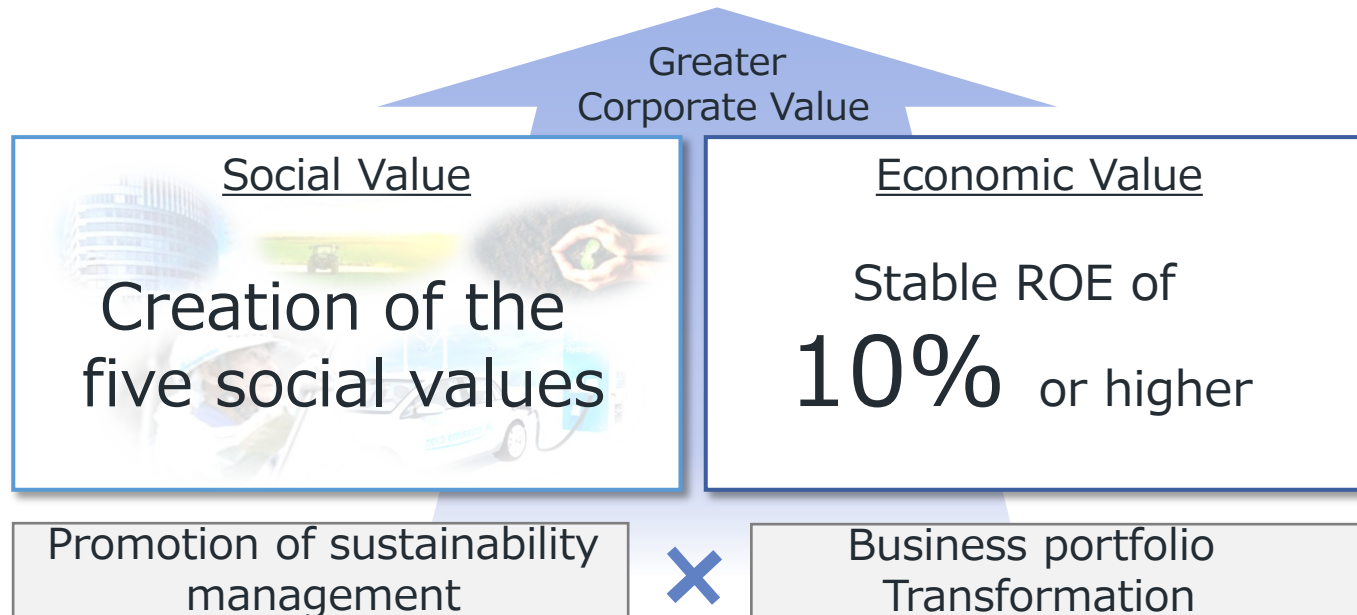
- Innovation & Operational Excellence
- Diversity
- Environment
- Integrity

Our spirit

"Never take the easy way out, but confront difficulties"

- We will grow through well-balanced creation of social and economic value.

By providing differentiated materials and solutions, AGC strives to help realize a sustainable society and become an excellent company that grows and evolves continuously.



Social Value to be created by AGC

- We will create the following five social values through its business activities.

Realization of safe and comfortable urban infrastructure



Low-E glass for building



UV cut glass for vehicles



Polyvinyl Chloride Resin

Realization of safe and healthy lifestyles



Pharmaceuticals (intermediate/active ingredients)



Agrochemicals (intermediate/active ingredients)



ETFE film for agricultural green-houses

Maintenance of a healthy and secure society



Relationship with local communities



Consideration for local environment



Human rights in supply chains

Creation of fair and safe workplaces



Workplace safety

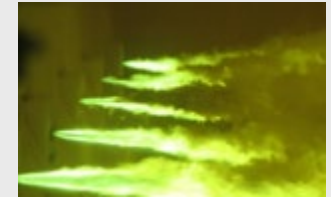


Diversity



Employee engagement

Realization of a sustainable global environment



Response to climate change

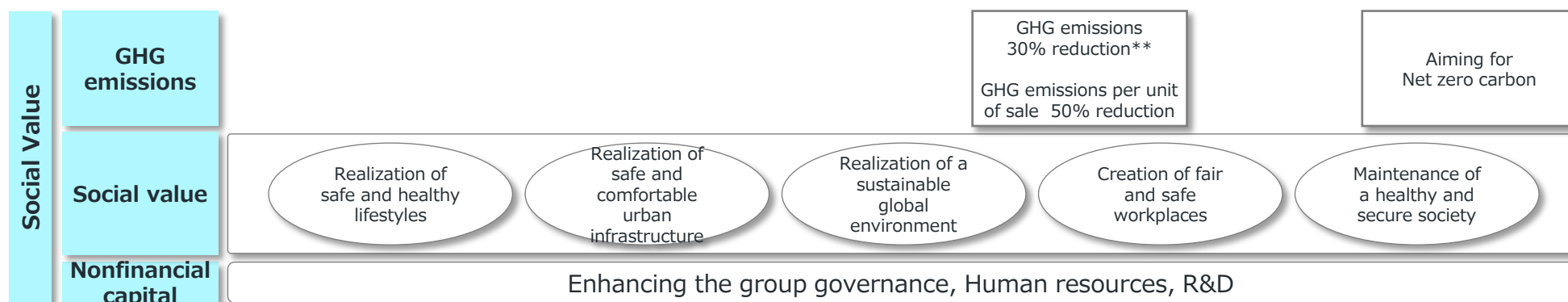


Effective use of resources

Grow by creating both social value and economic value

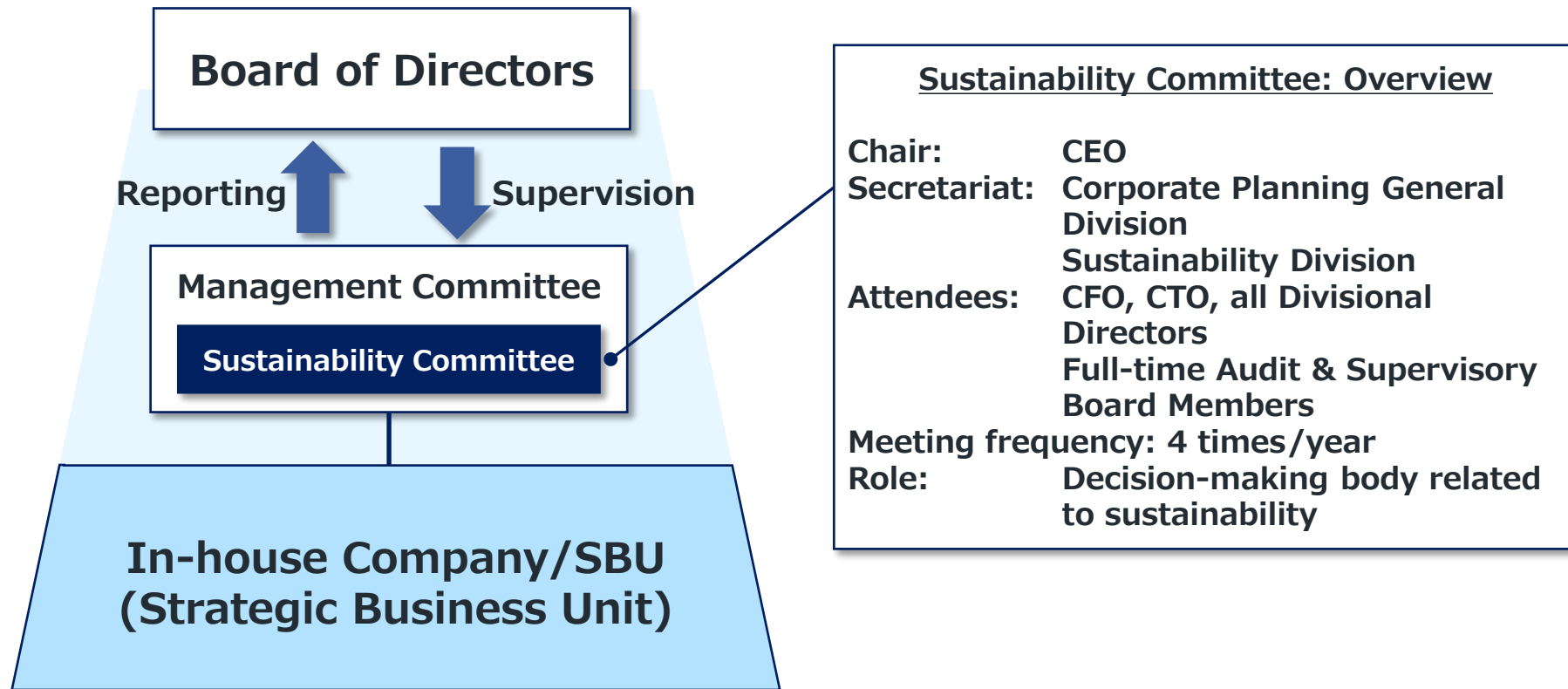
- We will achieve through the portfolio transformation and the pursuit of sustainability management.

		2021 (Actual)	2023	2025	2030 . . .	2050
Economic value	Operating profit	206.2billion yen	230.0billion yen	250.0billion yen	300.0billion yen	
	Strategic Business OP	53.8billion yen	80.0billion yen	100.0billion yen	150.0billion yen	
	EBITDA *	372.9billion yen	433.0billion yen	490.0billion yen		
	ROE	10%	Stable ROE of 10% or higher			
	D/E	0.41	0.5 or less			

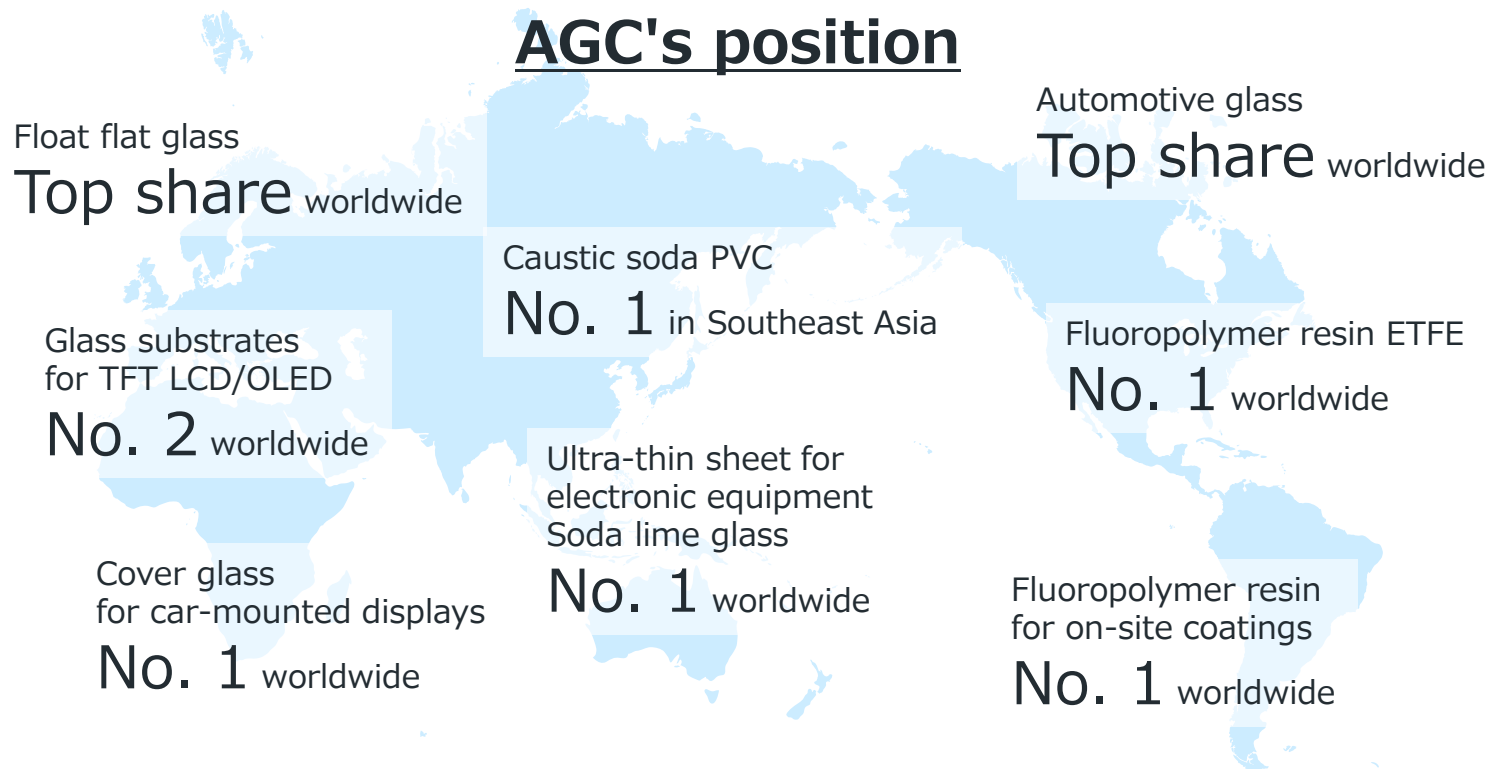


AGC's Sustainability Management Governance Structure

- Under the supervision of the Board of Directors, the Sustainability Committee formulates group strategies, including responses to climate change issues and the formulation of non-financial indicators related to ESG, and manages progress.



Leading the Industry in Addressing Environmental Issues



We will achieve our responsibility as an industry leader by minimizing CO2 emissions from production to transportation and providing environmentally friendly products.

2. Initiatives to Address Climate Change

- **Progress to date and structure**
- **Business portfolio transformation**
- **Addressing Climate Change**

Milestones in Addressing Climate Change

- We have long been committed to environmental conservation through product development and other activities.
- In 2001, the AGC Group formulated the AGC Group Environmental Policy and accelerated group-wide efforts to create a sustainable society.

1971	Establishes Environmental Department at AGC Headquarter – Strengthened structure for environmental initiatives
1992	Asahi Glass Foundation establishes Blue Planet Prize – Recognition for contributions to solving global environmental issues
1993	Formulates the New AGC Vision 21 – A proactive approach to environmental preservation and resource conservation as part of our policy
2001	Formulates AGC Group Environmental Policy – Clarifies contribution to the creation of a sustainable society
2002	Formulates AGC Group vision "Look Beyond" – Environment is clearly defined in Our Shared Values, accelerating initiatives
2005	Establishes CSR Committee – Strengthened governance related to sustainability management
2010	Formulates AGC Group Social Contribution Basic Policy – Clarifies proactive social contribution activities
2014	Establishes 6x CO2 reduction target for 2020 – Formulates reduction targets through energy-saving and energy-creating products
2015	Formulates <i>AGC plus</i> management policy – Providing a plus in value to all stakeholders
2016	Formulates long-term management strategy "Vision 2025" – Sets out business portfolio transformation and sustainable management

30th Anniversary of Asahi Glass Foundation's Blue Planet Prize

- The Asahi Glass Foundation* established the Blue Planet Prize in 1992, the year of the Earth Summit.
- Awarded to a cumulative total of 60 individuals/organizations** that have made significant contributions to solving global environmental problems.
- Dr. Manabe, the 2021 Nobel laureate in physics, was awarded the 1st prize, and Professor Jeffrey D. Sachs, who helped to formulate the SDGs, was awarded the 24th prize.

1st Winner (1992)



Dr. Syukuro Manabe



**Blue
Planet
Prize**

24th Winner (2015)

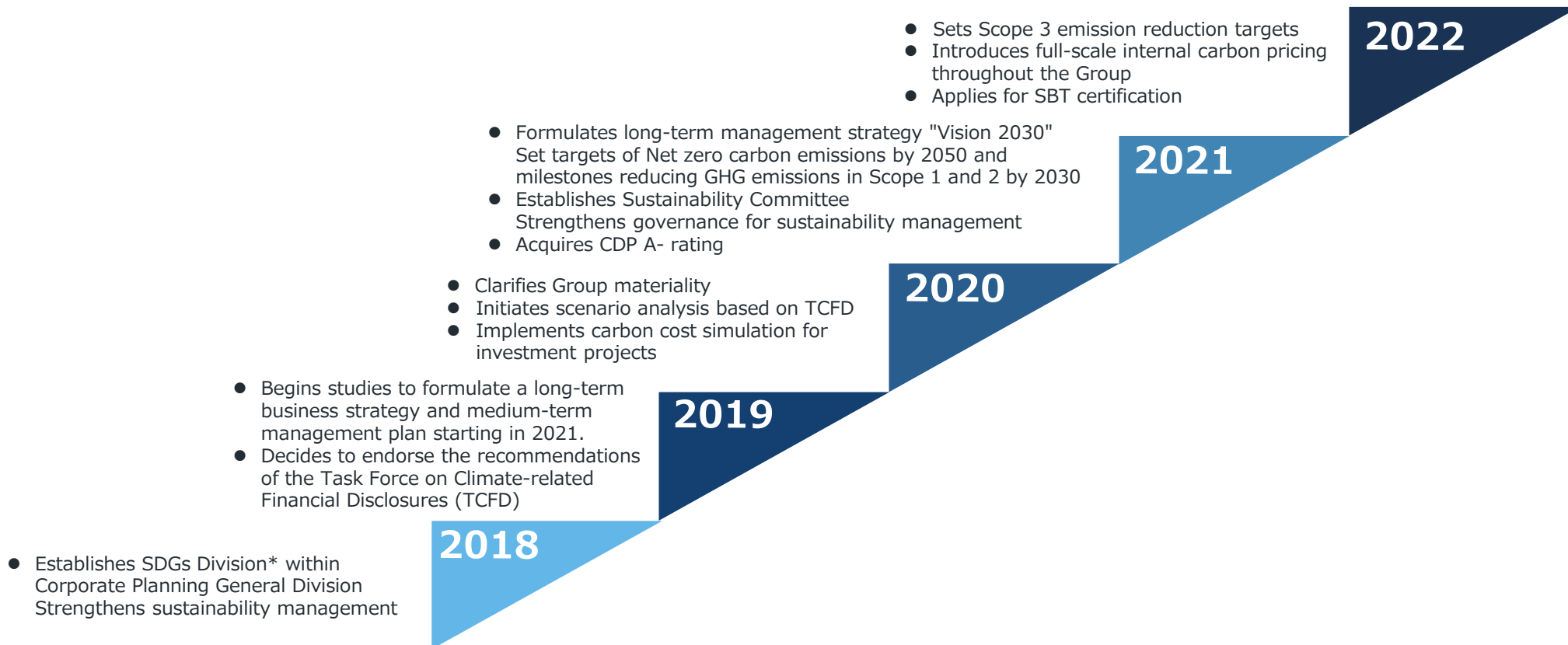


Professor Jeffrey D.
Sachs

Accelerating Initiatives to Address Climate Change

- The SDGs Division* was established within the Corporate Planning General Division in 2018 to further accelerate efforts to address climate change issues.

Initiatives to Address Climate Change



Net Zero Carbon Emissions Targets (2050) and Milestones

- In 2021, we formulated medium- to long-term GHG reduction targets.
- Applied for SBT certification by SBTi*, an international climate change initiative

FY2020 FY2030 FY2050

Net zero carbon emissions in 2050
(Scope 1+2)

2030 milestone (from the 2019 figure)

Scope 1 Scope 2	<ul style="list-style-type: none"> ■ GHG emissions 30% reduction (Scope 1+2 emission) ■ GHG emissions per unit of sales 50% reduction (Scope 1+2emission/sales)
Scope3	<ul style="list-style-type: none"> ■ GHG emissions 30% reduction (Total of Scope 3 emissions in categories 1, 10, 11, and 12)

Business portfolio transformation

Expansion of strategic businesses improves carbon efficiency at a faster pace than emissions reductions

- We hold Strategy Meeting to address climate change in the global and cross-divisional scale.
- We consider key policies, measures, etc. related to climate change issues.



- ### The Strategy Meeting's main agenda items against Climate Change
- Overall climate change-related policies, systems, and information disclosure
 - In-house GHG emission reductions
 - Scope 1-3 confirmation of GHG emissions results and reduction measures
 - Contribution to GHG emission reductions
 - Building a framework for product and technology development, etc.
 - Risk management
 - Identification of and measures for short-, medium-, and long-term transition and physical risks

Introduction of Internal Carbon Pricing

- Internal Carbon Pricing (ICP) was fully implemented in March 2022.
- Promoting reduction of GHG emissions (Scope 1+2)

Timeline of full-scale introduction of ICP



European Glass Business:
Introduction of ICP ahead of others

Group-wide:
Implementation of carbon
cost simulation*

Full-scale introduction
of ICP throughout
the Group

Costs related to GHG emissions
■ **Business investment and GHG
emission reduction investment:**
¥6,500/t-CO₂

* Calculated based on European emissions trading prices.
Applicable prices will be verified annually.

2. Initiatives to Address Climate Change

- Activities to date and structure
- **Business portfolio transformation**
- Addressing Climate Change

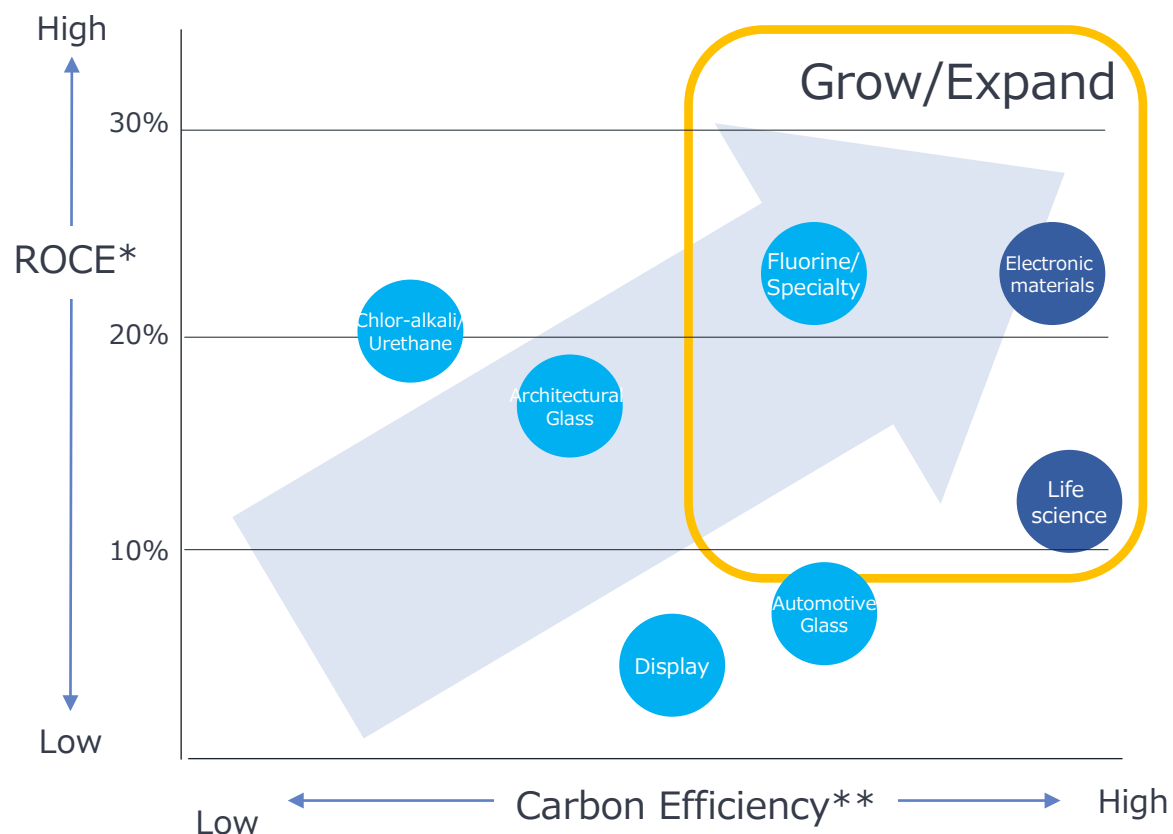
Direction of the Business Portfolio Transformation(1)

- Through the practice of ambidextrous management, we aim to build a business portfolio that is resilient to market fluctuations and has high asset efficiency, growth potential, and carbon efficiency.



- We will expand strategic businesses with high carbon and asset efficiency, while working to improve the carbon and asset efficiency of core businesses to both capture opportunities and reduce risk.

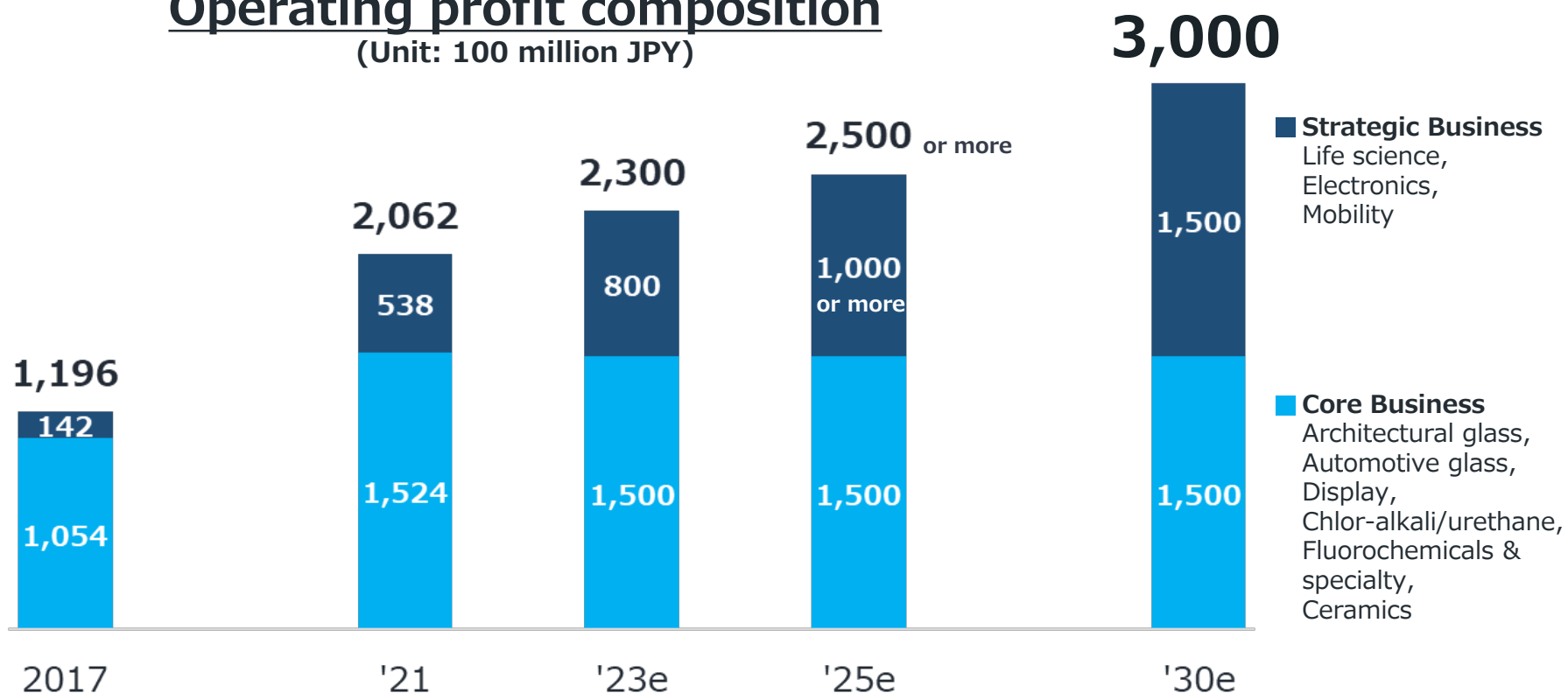
Direction of the AGC Group's business portfolio



- We are expanding strategic businesses and shifting to a more carbon-efficient business portfolio.

Operating profit composition

(Unit: 100 million JPY)



2. Initiatives to Address Climate Change

- Activities to date and structure
- Business portfolio transformation
- **Addressing Climate Change**

Addressing Climate Change

- We will promote initiatives that both address GHG reductions and contribute to GHG reductions.



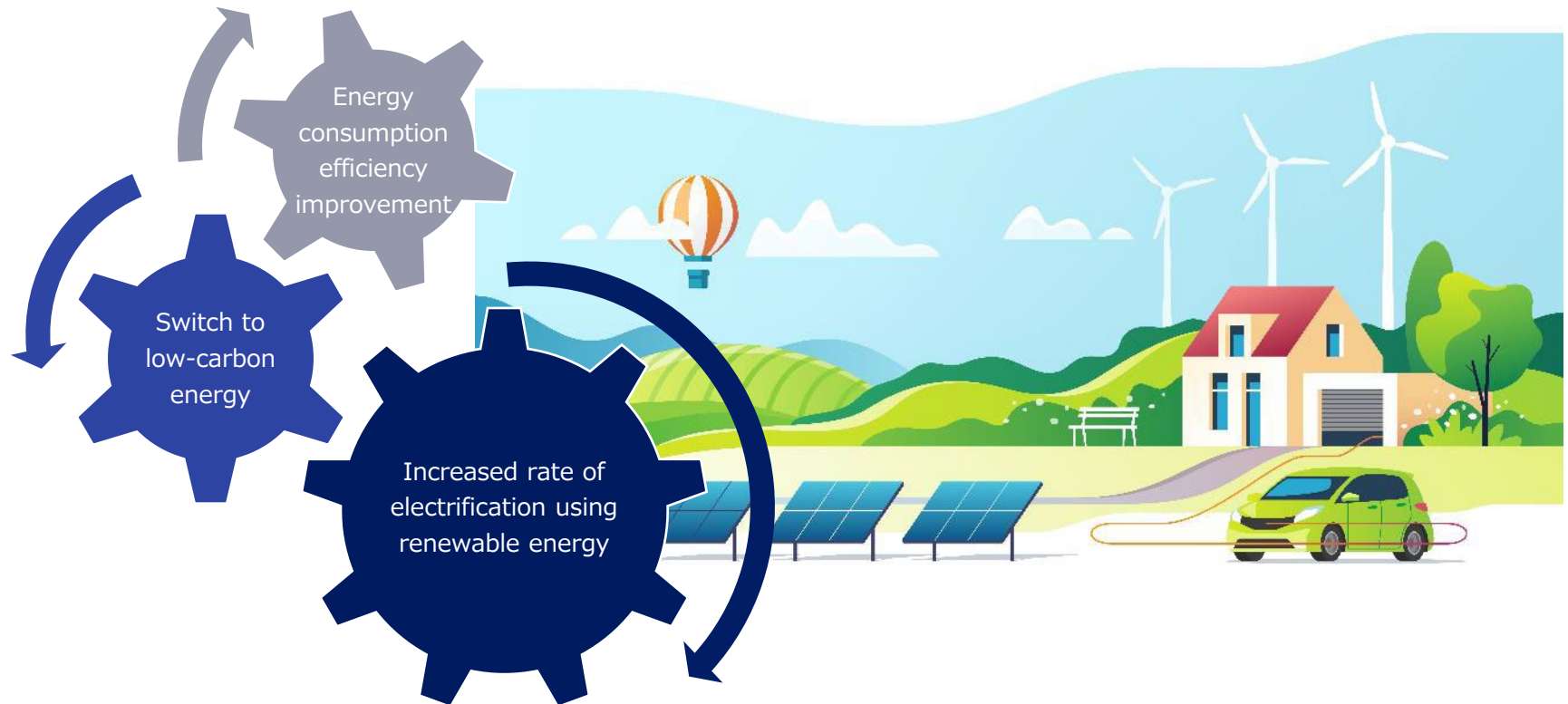
**Address
to GHG
reduction**

**Contribute
to GHG
reduction**

2. Initiatives to Address Climate Change

- Activities to date and structure
- Business portfolio transformation
- **Addressing Climate Change**
 - **Address to GHG reduction**
 - Contributions to GHG reduction

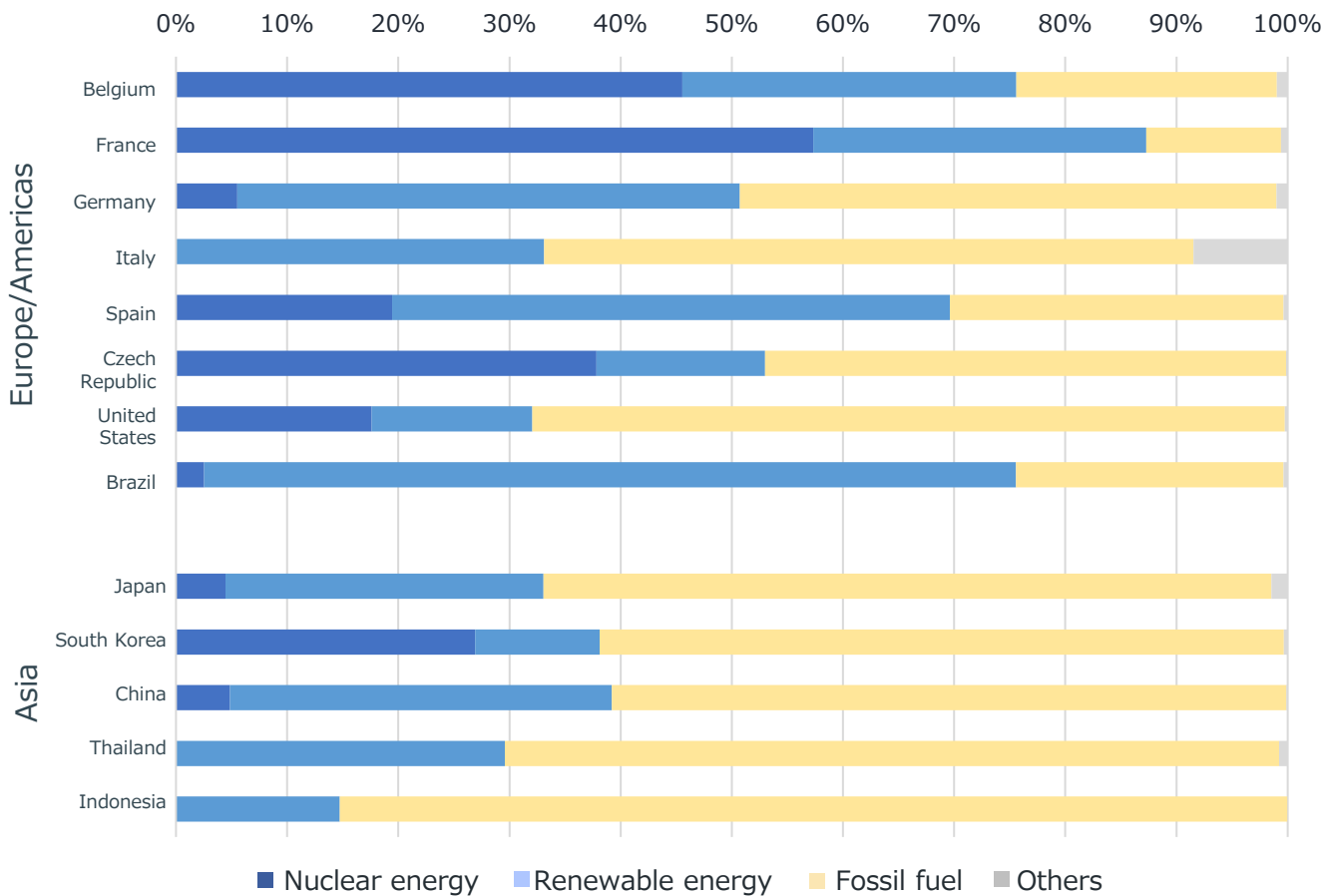
- For the reduction of CO2 emissions from energy use, countries are accelerating their efforts for energy consumption efficiency improvement and low-carbon energy consumption.
- Electrification using renewable energy, etc. is expected to advance, especially in the low-carbon energy sector.



Reduce GHG Emissions by Taking into Account Regional Characteristics

- We will promote optimal GHG reduction measures in accordance with the trend toward decarbonization of electricity sources in each country.

Composition of electricity generated by source*



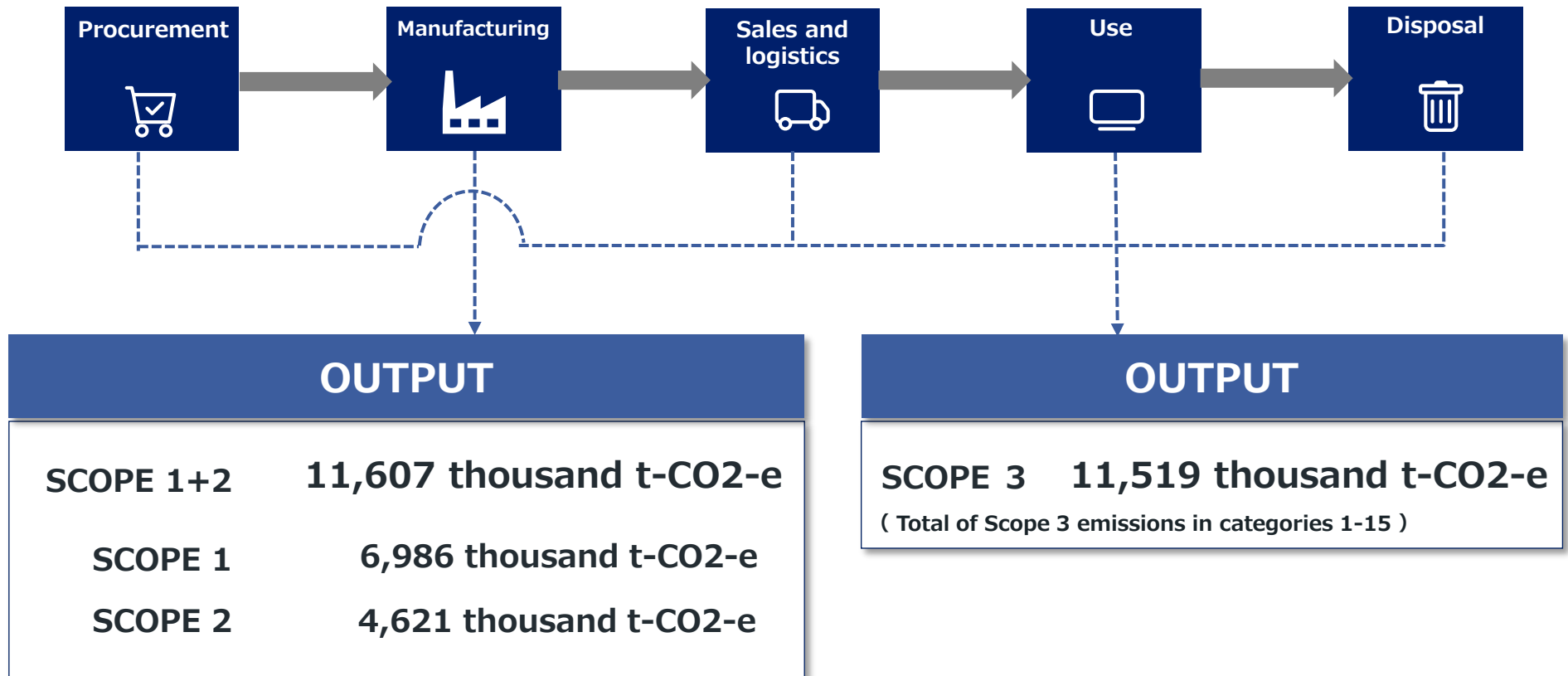
Direction of GHG reduction by region toward 2030

GHG emission coefficient for electricity is low,
electrification
is actively promoted.

GHG emission coefficient for electricity is high,
energy conservation
measures are being accelerated

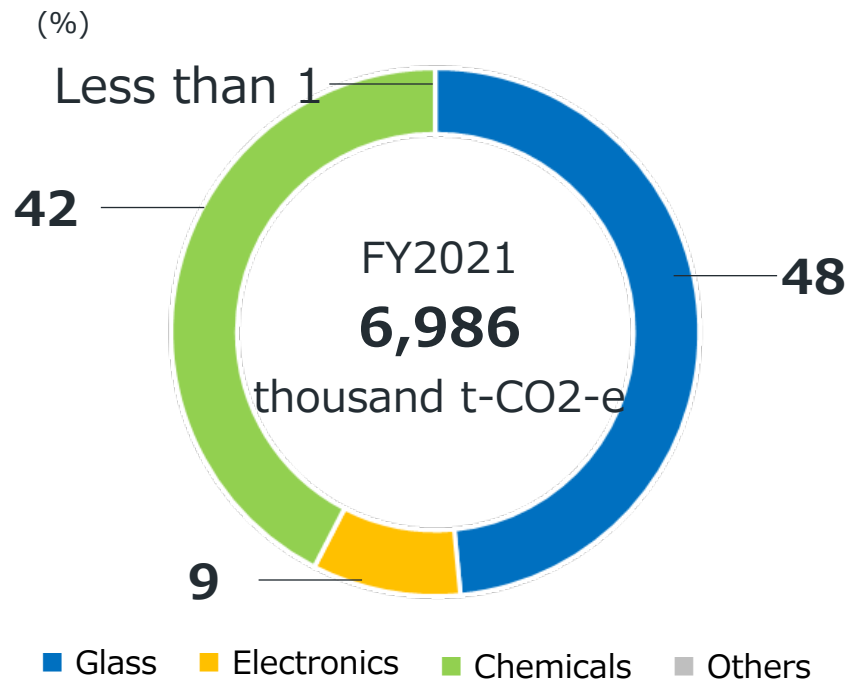
GHG Emissions and Breakdown by Scope (2021)

- GHG (CO₂) emissions in 2021: 11,607kt in Scope 1 and 2, 11,519kt in Scope 3



Scope 1 Breakdown by Segment

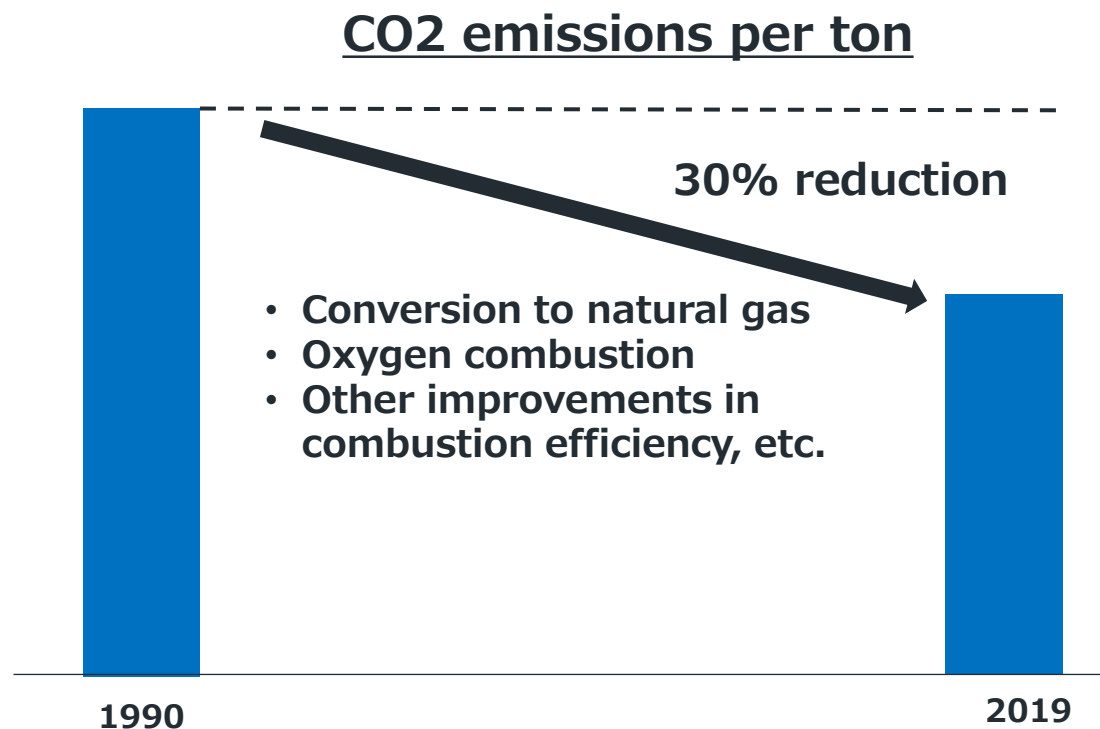
- Float glass melting furnaces in the Glass and Electronics segments account for the majority of Scope 1 emissions.
- The main source of emissions in the Chemicals segment is on-site power generation facilities.



Scope1	
Scope 1 total	6,986 thousand t-CO₂-e
● Glass	3,379 thousand t-CO ₂ -e
● Electronics	623 thousand t-CO ₂ -e
● Chemicals	2,961 thousand t-CO ₂ -e
● Others	24 thousand t-CO ₂ -e

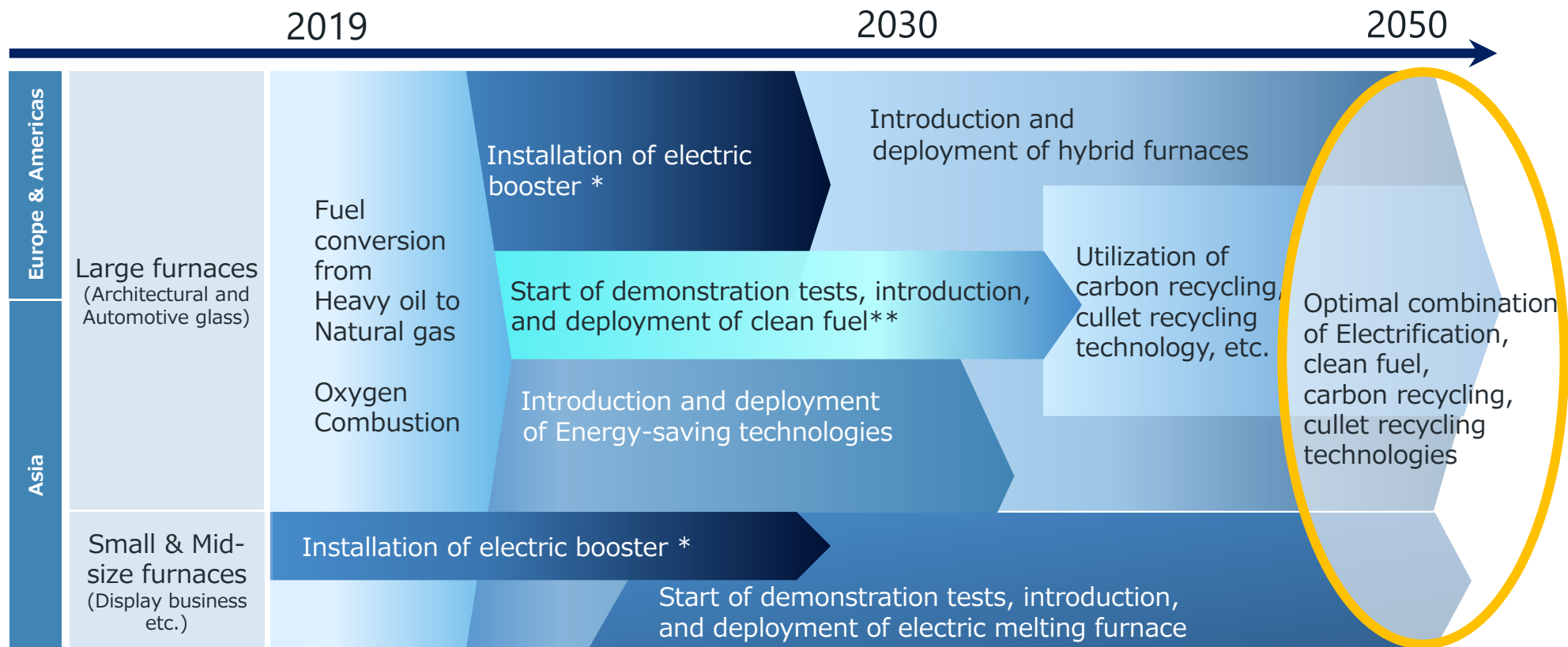
Past initiatives: Reducing CO2 Emissions in Float Glass Melting Furnaces

- In the Glass business, efforts have been made to reduce CO2 emissions in the melting process by improving combustion efficiency, etc.
- In Europe, there was a 30% reduction in CO2 emissions per ton of glass produced between 1990 and 2019 through fuel conversion to natural gas, oxygen combustion, etc.



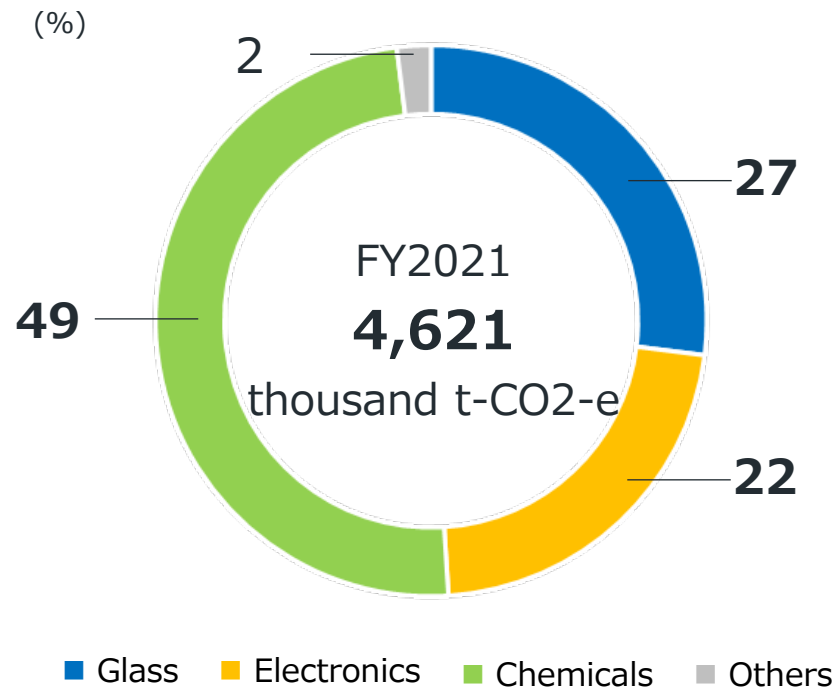
Medium- to Long-term Initiatives : Technology Roadmap for Reducing GHG Emissions in Float Glass Melting Process

- Toward 2030, plan to prioritize electrification in Europe and Americas, and energy conservation in Asia.
- Toward 2050, aim to achieve the target by combining multiple technologies with a focus on electrification.



Scope 2 Breakdown by segment

- The main emission source of Scope 2 is the chlor-alkali electrolysis facilities of the Chemicals segment.



Scope2

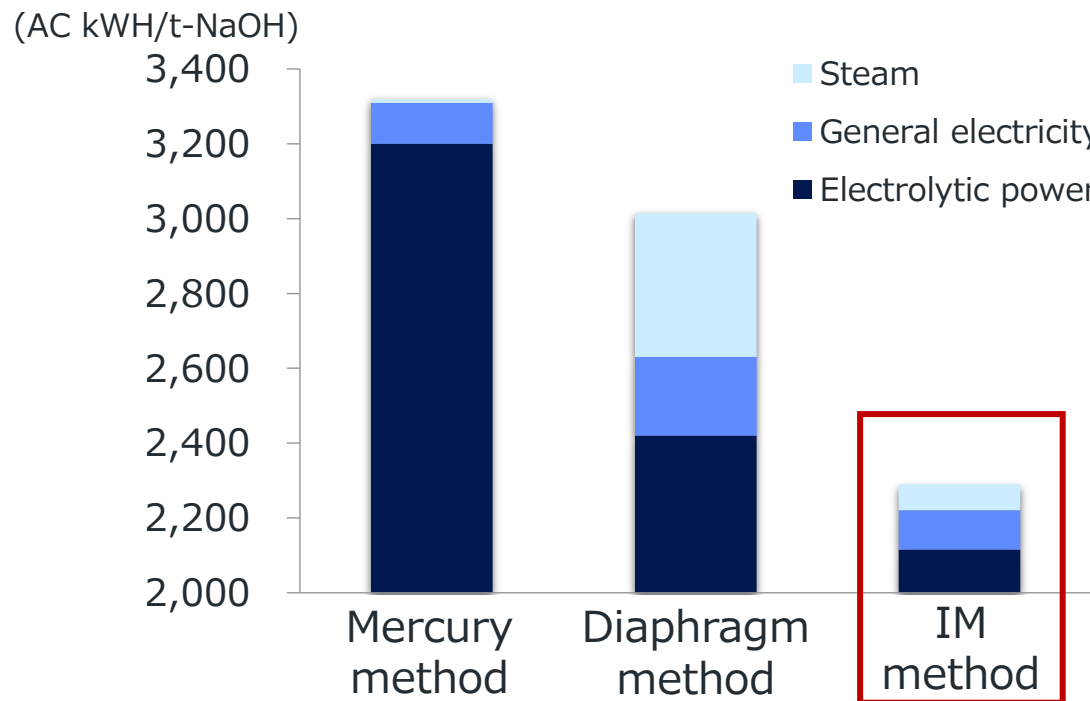
Scope 2 total 4,621 thousand t-CO2-e

- Glass 1,126thousand t-CO2-e
- Electronics 1,022thousand t-CO2-e
- Chemicals 2,279thousand t-CO2-e
- Others 94thousand t-CO2-e

Past initiatives: Reduction of CO₂ Emissions from Chlor-alkali Electrolysis Facilities

- In 1975, we developed the "ion exchange membrane method (IM method)" for chlor-alkali electrolysis facilities (the first in the world), which has a remarkably low environmental impact, and have greatly reduced the electricity consumption rate.
- Through the sale of Flemion™ ion-exchange membranes, we also contributed to the reduction of the industry's environmental impact.

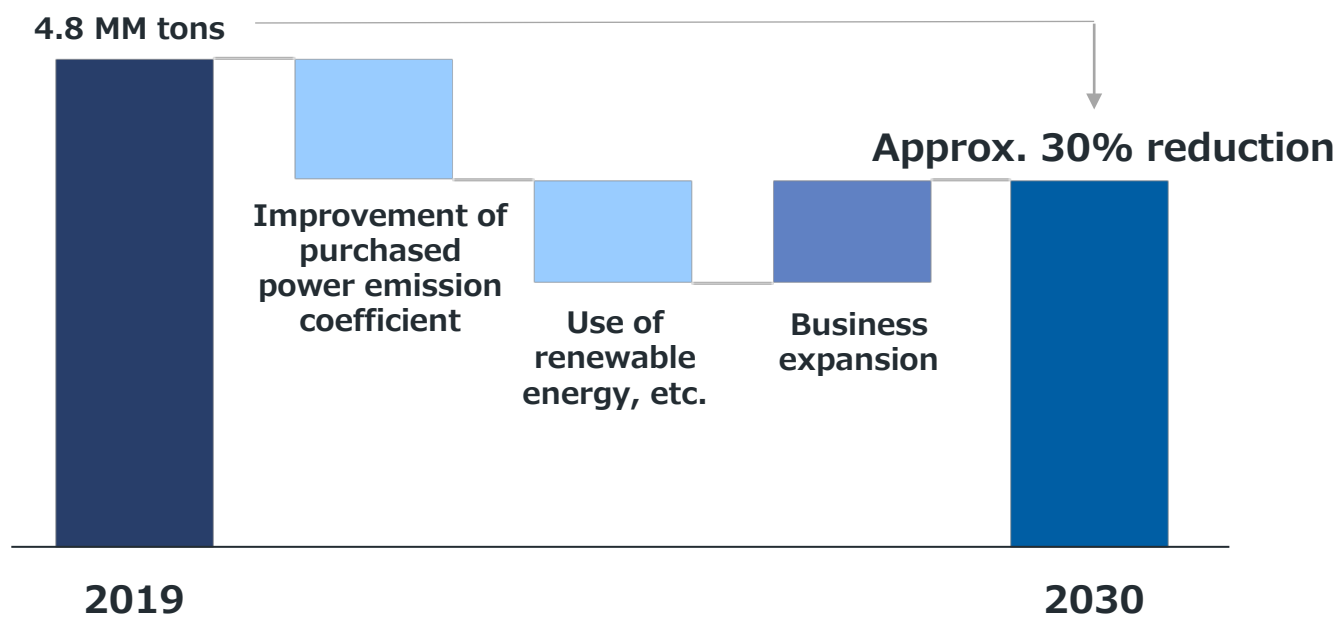
Electricity intensity of electrolysis facilities*



Medium- to Long-term Initiatives: Reducing GHG Emissions in the Chemicals Business

- The Chemicals will promote further reduction of GHG emissions by lowering the electricity emission coefficient of purchased electricity and introducing renewable energy at each site.

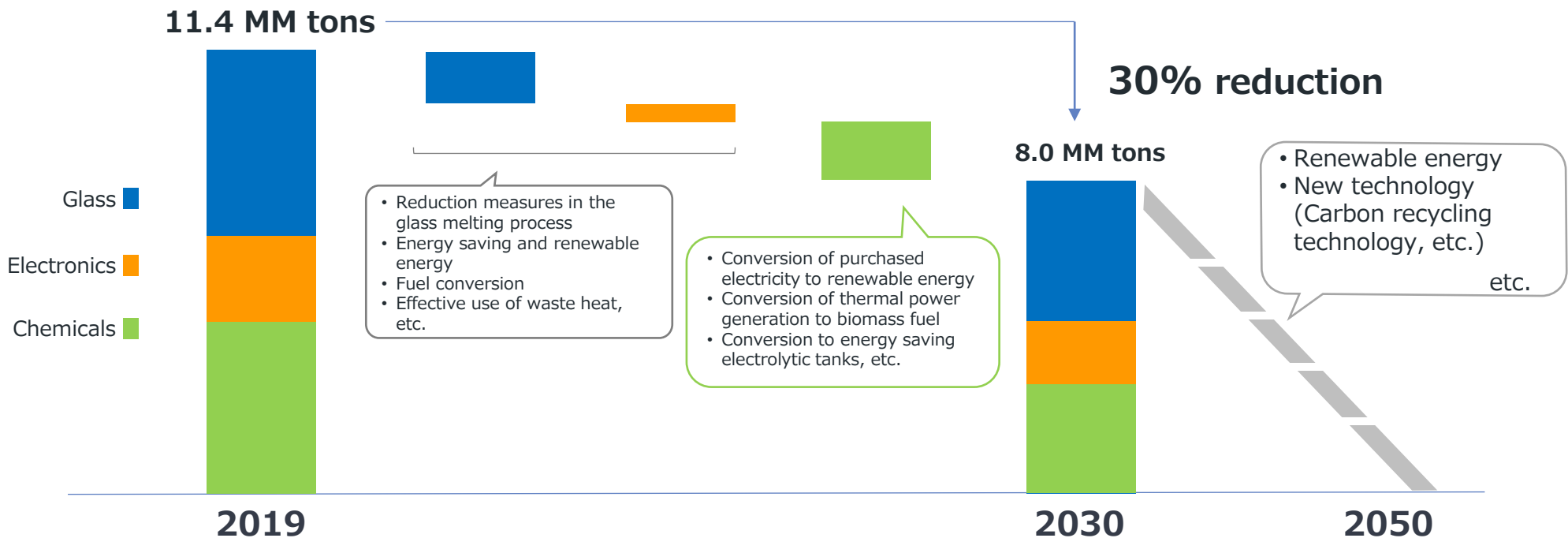
Image of future trends in GHG emissions* in the Chemicals business



GHG Emission Reduction Roadmap (Scope 1+2)

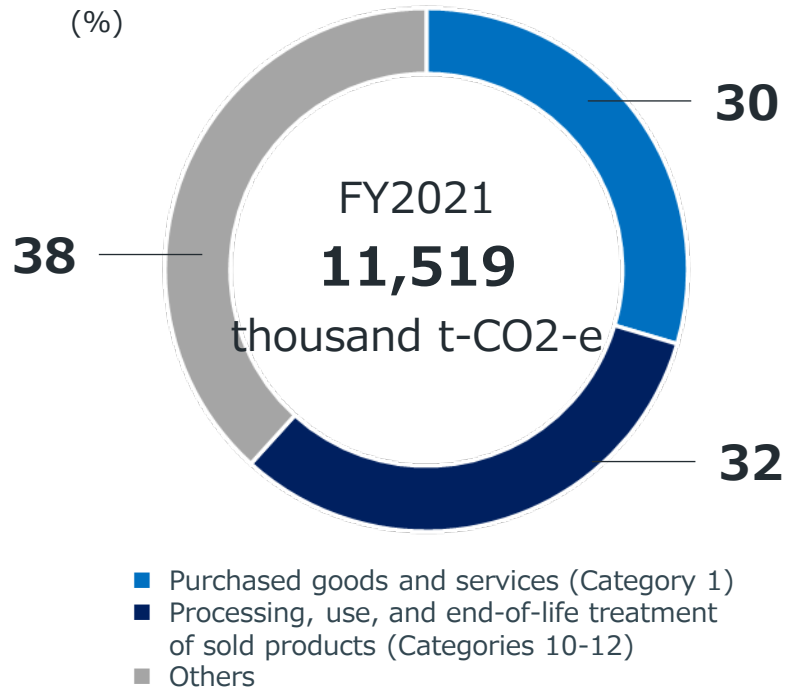
- AGC plans to achieve its targets through technological innovations in the glass melting process, the major source of its emissions, as well as by converting its chlor-alkali operations to renewable energy sources for electricity and using biomass fuels in its own thermal power generation.

GHG Emission Reduction Roadmap (Scope 1+2)



Scope 3 Breakdown

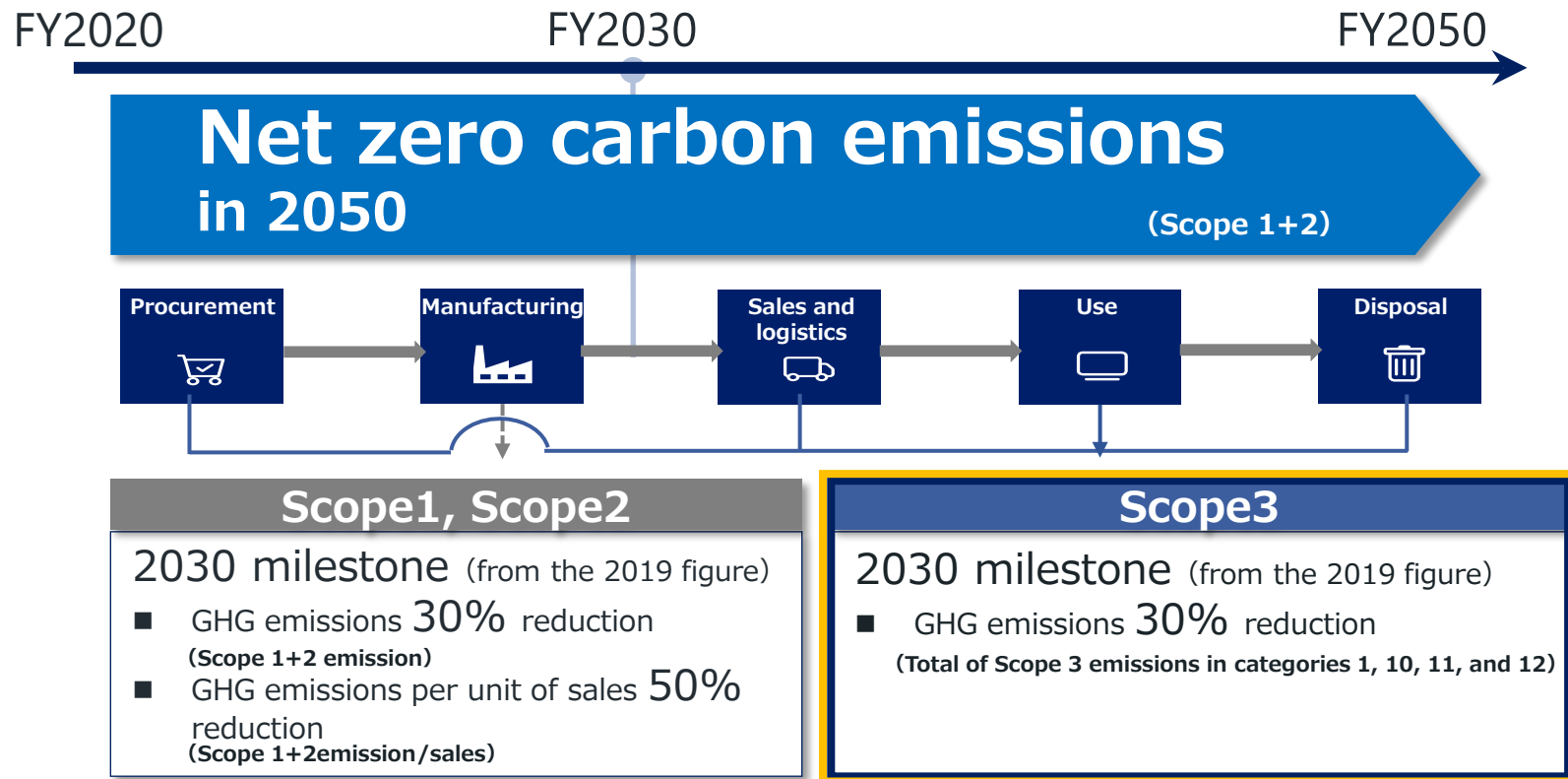
- GHG emissions from the purchased goods and services, processing, use, and end-of-life treatment of sold products account for 60% of the total.



Scope3	
Scope 3 total	11,519thousand t-CO2-e
● Purchased goods and services (Category 1)	3,406thousand t-CO2-e
● Processing, use, and end-of-life treatment of sold products (Category 10 -12)	3,703thousand t-CO2-e
● Others Logistics/distribution, etc.	4,410thousand t-CO2-e

New Scope 3 Reduction Targets Set

- In addition to Scope 1 and 2, the 2030 target for Scope 3 was set in June 2022. We accelerate efforts to reduce GHG emissions, including in the supply chain.



To understand and address CO2 emissions throughout the supply chain



■ Participation in the CDP supply chain program

- Improve accuracy of supply chain emissions by item
- Identify examples of reduction efforts by other companies, etc.

■ Strengthening supplier engagement activities

- Conduct periodic surveys to share awareness of issues with suppliers, ascertain actual conditions, and aim for GHG reduction throughout the supply chain.

CDP supply chain program

Phase 1

Engagement through questionnaire



Phase 2

Setting target KPIs and taking measures



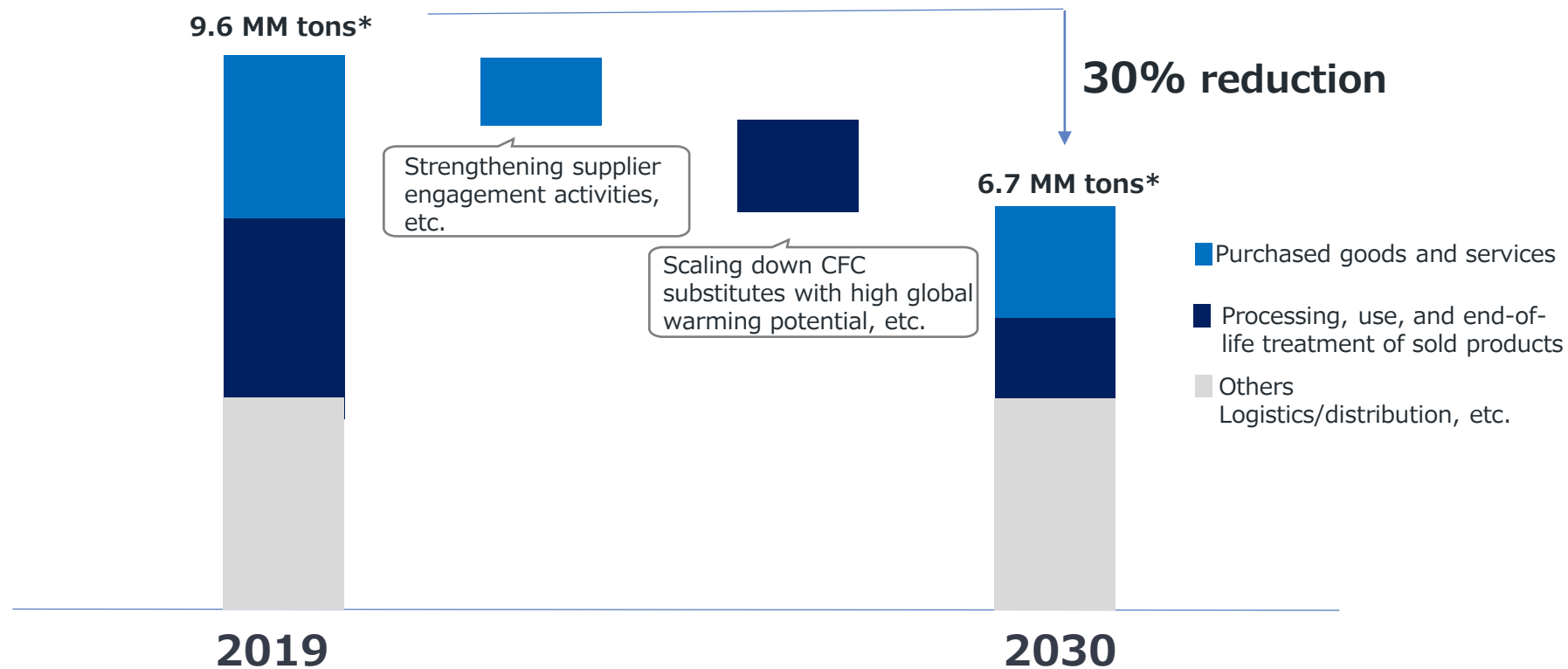
Phase 3

Confirmation of results and further improvement

GHG emission reduction roadmap (Scope 3)

- AGC plans to achieve its targets by strengthening supplier engagement activities and scaling down the chlorofluorocarbon (CFC) products with high global warming potential.

AGC Group's Scope 3 GHG emissions



*Sum of Scope 3 emissions in categories 1, 10, 11, and 12

2. Initiatives to Address Climate Change

- Activities to date and structure
- Business portfolio transformation
- **Addressing Climate Change**
 - Address to GHG reduction
 - **Contributions to GHG reduction**

Initiatives for opportunities : Development of products that reduce environmental impact, etc.

- We promote product development and other measures with the aim of reducing environmental impact throughout the product lifecycle.

Glass	Electronics	Chemicals	Ceramics
<ul style="list-style-type: none"> - Float flat glass (products using recycled raw materials, Thinned glass) - Low-E double glazing glass - Coating glass - Photovoltaics-embedded glass - Thinned glass(chemically strengthened glass) - Automotive glass etc. 	<ul style="list-style-type: none"> - Display glass (products using recycled raw materials) - Solar cell TCO glass - Float cover glass for PV module - Optical Materials - Materials for high-speed communication - High power LED glass ceramics substrate etc. 	<ul style="list-style-type: none"> - Environmentally friendly refrigerant and solvents - Materials for fuel cells - Fluoropolymer - Fluoropolymer resin for coatings - Fluoropolymer resin for solar cell etc. 	<ul style="list-style-type: none"> - Refractory (products using recycled raw materials) - High thermal insulation ceramic wall for furnace - Refractory/engineering for biomass power boilers etc.

Past initiatives to reduce environmental impact

- We aimed to reduce 6 times of annual CO2 emissions by 2020 through energy-saving and energy-creating products. This was largely achieved.
- Going forward, we will refine our evaluation methods, including the LCA method*, and set new management targets.

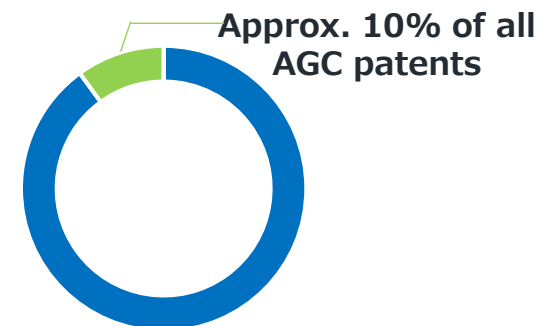
* Life Cycle Assessment: A method for quantitatively assessing the environmental impact of a product or service over its entire life cycle or a portion thereof, as defined in the ISO international standards for environmental management.

- We work to formulate rules to realize a sustainable society.

<Specific examples>

Methodology for achieving ZEB*1	Contributing to the publication of technical specifications in the ISO (International Organization for Standardization)
Standardization of circular economy in ISO	Contributing to the effective use of resources by developing indicators of product recyclability, etc.
Standardization of reduction contribution*2 in IEC (International Electrotechnical Commission)	Contributing to GHG reduction throughout product lifecycle

- The number of patents*4 classified as SDGs*3 that contributes to a low-carbon society accounts for approximately 10% of the total number of patents held by the Company.



- Promote third-party certification of environmental products

Cradle to Cradle™ certification and LEED*5 credits for laminated glass products from AGC Glass Europe (2010, first in Europe in the field of flat glass and coating glass)



*1 ZEB (Net Zero Energy Building): A building that aims to reduce the balance of primary energy consumed to zero.

*2 Quantified reduction in GHG emissions due to the product over the entire life cycle of the product being evaluated for its environmental impact reduction effect.

*3 The classification of patents held for SDGs (7, 12, 13) was conducted using PatentSight, a patent analysis tool from LexisNexis.

*4 595 patents as of June 2022, both registered and in the process of registration (family)

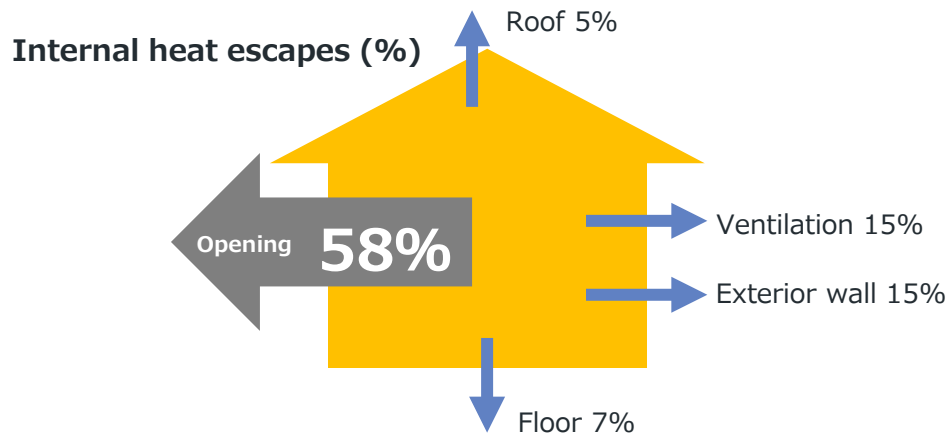
*5 Green Building Certification

Glass Business Initiatives: Improving Energy Consumption Efficiency of Buildings (1)

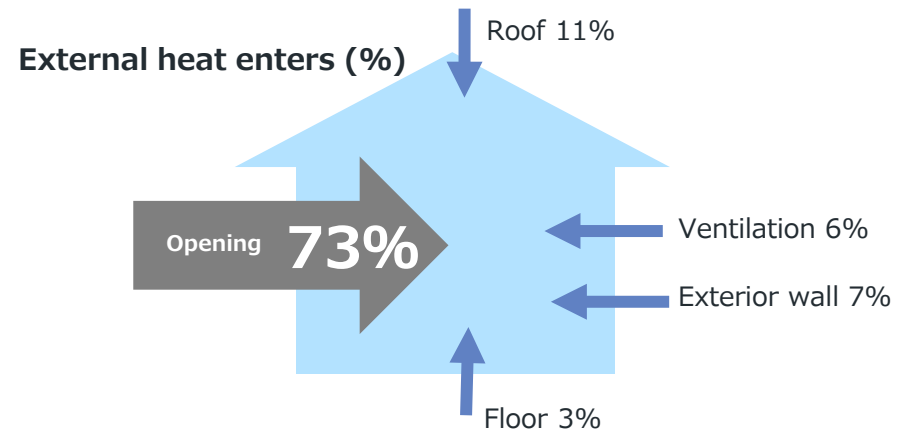
- As we work toward decarbonization, the improvement of energy efficiency of buildings is an issue.
- Improving the energy consumption efficiency of buildings requires reducing heat outflow/inflow from the building, and it is important to improve the functionality of window glass in openings.

Heat transfer in houses*

Winter (when heating)



Summer (when cooling)



The key is improvement of thermal barrier and insulation performance of openings (windows), which are the main source of heat transfer.

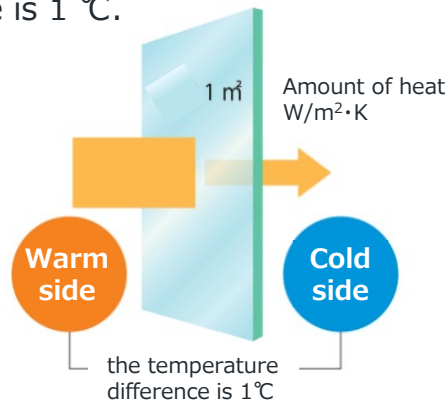
Glass Business Initiatives: Improving Energy Consumption Efficiency of Buildings (2)

- Progress to date, we have developed and supplied products with higher insulation performance, and are working for further improvement, thereby contributing to the reduction of CO2 emissions of buildings.
- State-of-the-art Low-E Triple glass reduces heat transfer by approximately 90%*1 compared to single glass and is attracting attention as a product that contributes to the environment with its excellent heat insulation effect.

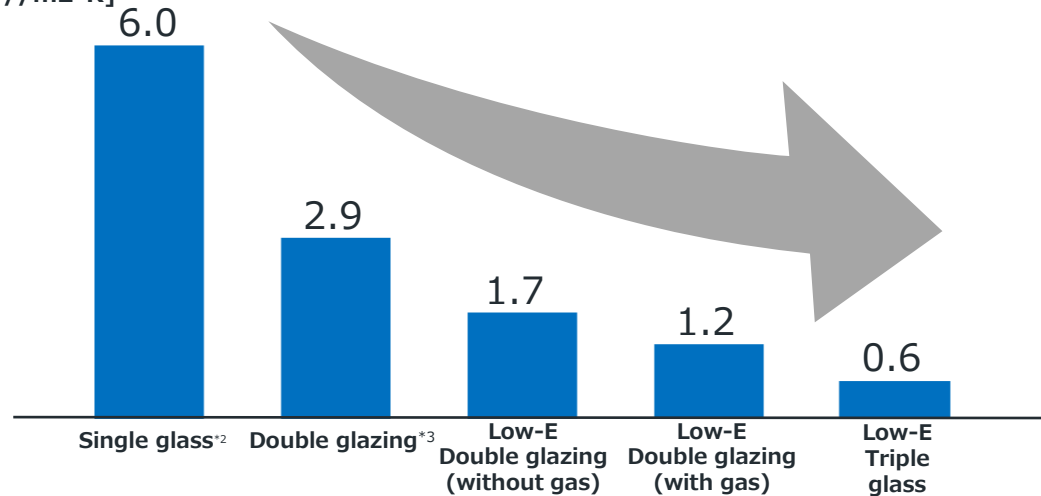
Progress of window glass insulation performance

Thermal transmission rate

Amount of heat passing per 1 m² for 1 hour with a temperature difference between inside and outside is 1 °C.



Thermal transmittance ratio
[W//m²·K]



1980~

Current

*1 Comparison of thermal transmission rate between 3mm float glass and Low-E double glazing glass

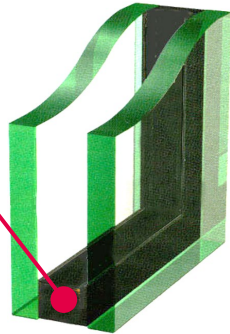
*2 3mm float glass *3 transparent double glazing with a 12mm hollow layer

- We have developed and will continue developing new products that contribute to reducing environmental impacts.

Thermocline™

Highly durable, long-life, high-insulation double glazing using AGC's original material, as well as easy recycling

AGC original development
Sealing material
(butyl) only



Vacuum-Insulating Glass [FINEO]

World-class thermal insulation performance and high durability. Addressing Renovation Demand in Europe



BIPV*

Building Integrated Photo Voltaics with power-generating cells sealed between the glass



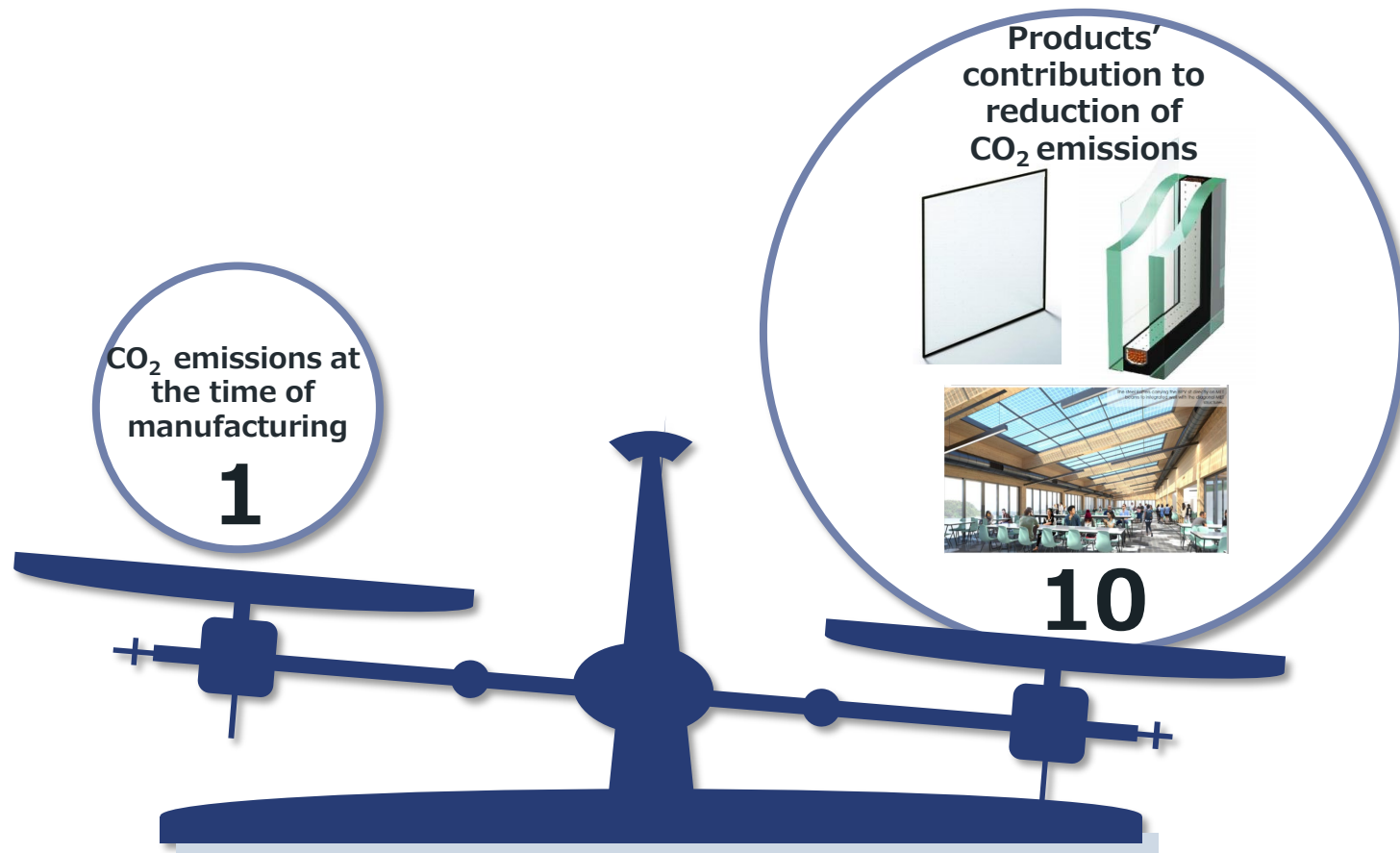
Low-carbon Glass

Significantly reduces GHG emissions during the product life cycle



Initiatives in the Glass Business

- We developed a number of environmentally friendly products such as vacuum insulated glass, building integrated photovoltaic power generation glass.
- Architectural glass in Europe contributes to reduction of CO₂ emissions during product use by 10 times* the amount emitted during manufacturing.



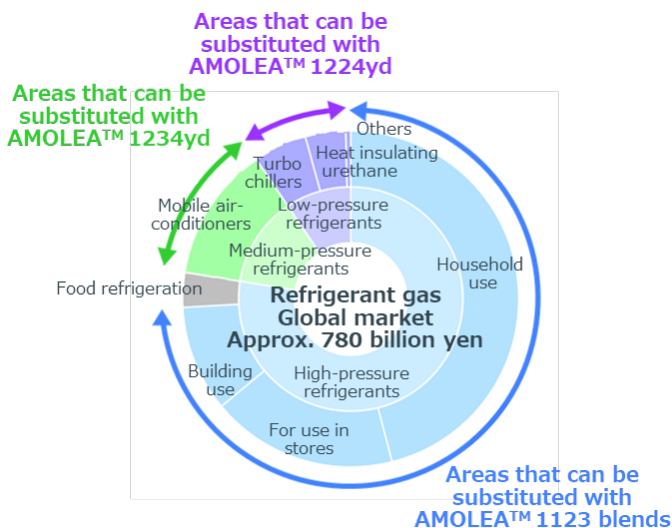
Initiatives in the Chemicals Business: Environment-friendly Refrigerants and Solvents

- The Chemicals supply new environment-responsive refrigerant/solvent with extremely low global warming potential (GWP*)
- Contributes to the prevention of global warming

Target market**

Refrigerant for car air conditioning

Refrigerant for turbo-type refrigerating machines



GWP

1,430



Less than 1

R134a***

AMOLEA1™1234yf

GWP

1,030



Less than 1

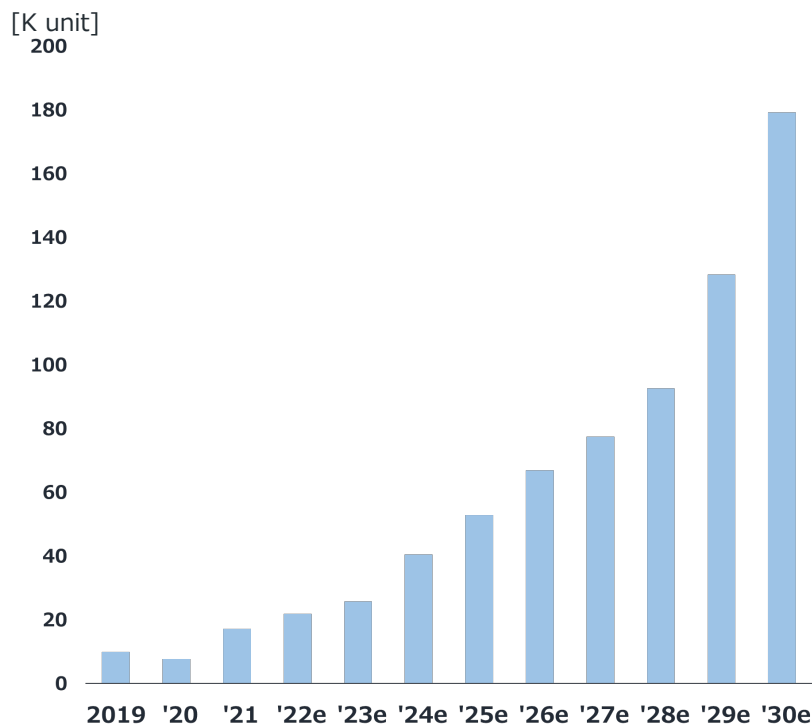
R245fa***

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Initiatives in the Chemicals Business: Contributing to the Realization of a Hydrogen Society

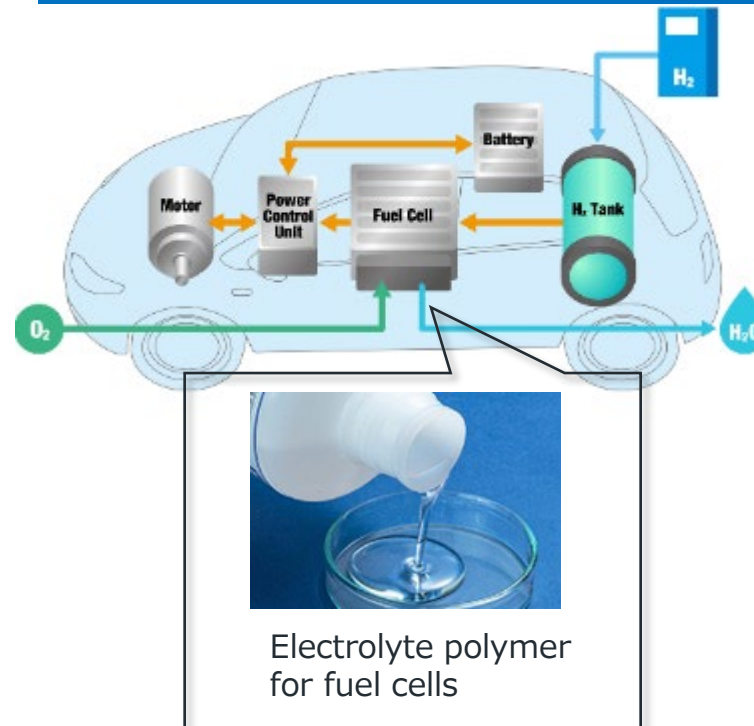
- Demand growth in Electrolyte polymer for fuel cells will accelerate together with the increased use of fuel cell vehicles and technological advancement toward the realization of a hydrogen society.
- Overwhelming No.1 position by realizing both high power generation and high durability

Fuel Cell Vehicle Production Outlook*



*Based on IHS data

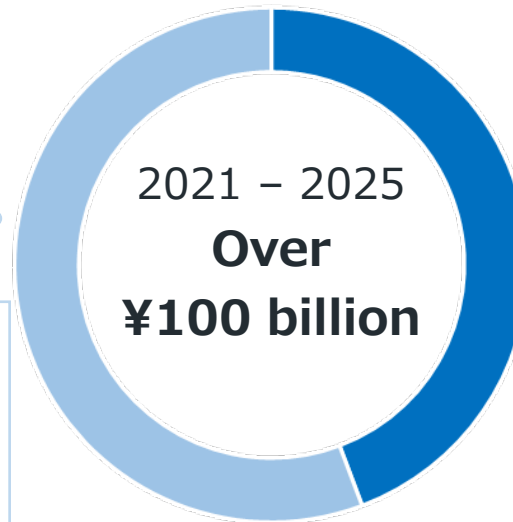
Structure of fuel cell vehicle



Future Investment Plans for Overall Addressing Climate Change

- We will invest more than ¥100 billion* over 5 years to 2025 to address climate change.

Cumulative investments related to address climate change (budgeted)



Investment to expand products that contribute to GHG emission reductions

- Energy saving
- Next-generation energy
- Low GHG emissions

etc.

Investments to reduce own GHG emissions

- GHG emission reduction in float glass furnaces
- Conversion of power sources to renewable energy

etc.

3. In Conclusion

**By providing differentiated materials and solutions,
AGC strives to help realize a sustainable society
and become an excellent company that grows and
evolves continuously.**

4. Appendix

The AGC Group's Value Creation Model

The AGC Group's Value Creation Model

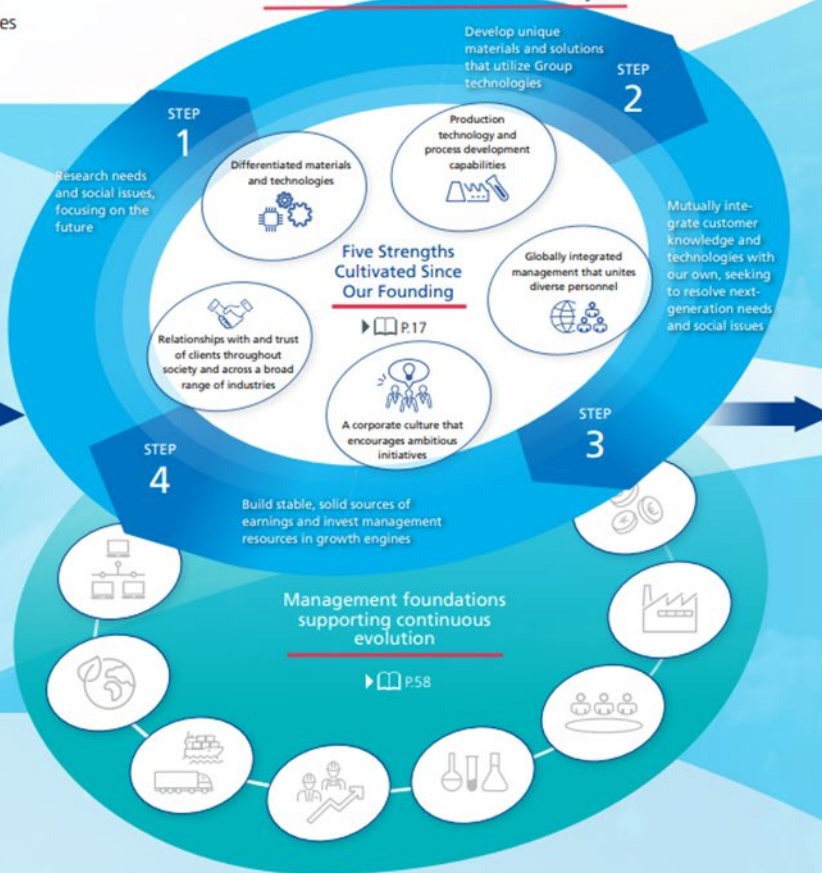
In accordance with its vision **"Look Beyond"**, the AGC Group conducts business management from a long-term perspective. Utilizing the five strengths cultivated since our founding, we continuously create economic and social value, help make ever-greater achievements possible, and bring bolder ideas to life by working with others to combine knowledge and advanced technology and by implementing measures based on the AGC Social Issue Resolution Cycle.

AGC's Group Vision **"Look Beyond"**

The above phrase encapsulates the mindset underpinning all of our business and social activities. We always anticipate and envision the future, have perspectives beyond our own fields of expertise, and pursue innovations without being satisfied with the status quo.

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AGC Social Issue Resolution Cycle



Value Creation

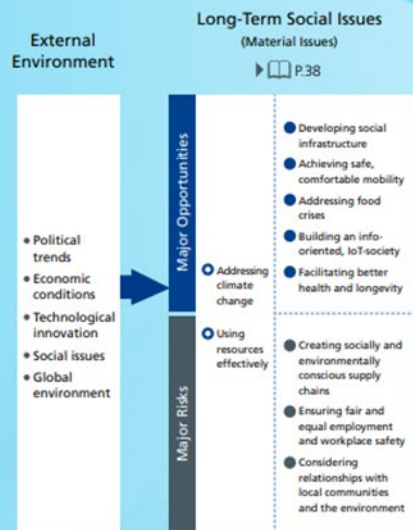
The five types of social value the AGC Group wants to create

▶ P.36

- Contributing to the realization of safe and comfortable urban infrastructure
- Contributing to the realization of safe and healthy lifestyles
- Contributing to the maintenance of a healthy and secure society
- Contributing to the creation of fair and safe workplaces
- Contributing to the realization of a sustainable global environment

Economic value

Stably realizing ROE of 10% or higher



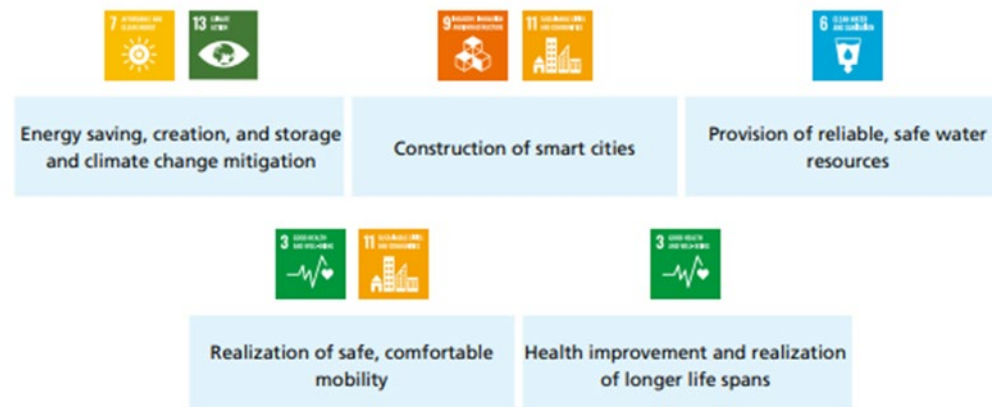
Process for Identifying The Social Value AGC Seeks to Create

1 SDG mapping

To enable analysis of our long-term social issues, we reconfirmed our current progress toward the realization of sustainability by using the 169 targets of the SDGs as the basis for analysis of the types of social issues addressed by our existing products.

1. Focused on existing mainstay products in each business field
2. Calculated the "business impact score" for each product based on its sales and growth potential
3. Linked each product to the SDG targets to which it can contribute
4. Described the type of social value that the AGC Group is creating in relation to each SDG by taking into account the contributions of all products linked to a given target
5. Added up the total business impact score of all products linked to each type of social value
6. Corrected the business impact score for each type of social value based on the degree of contribution to addressing social issues
7. Set the corrected results as the social impact score and identified the top 15 types of notable social value

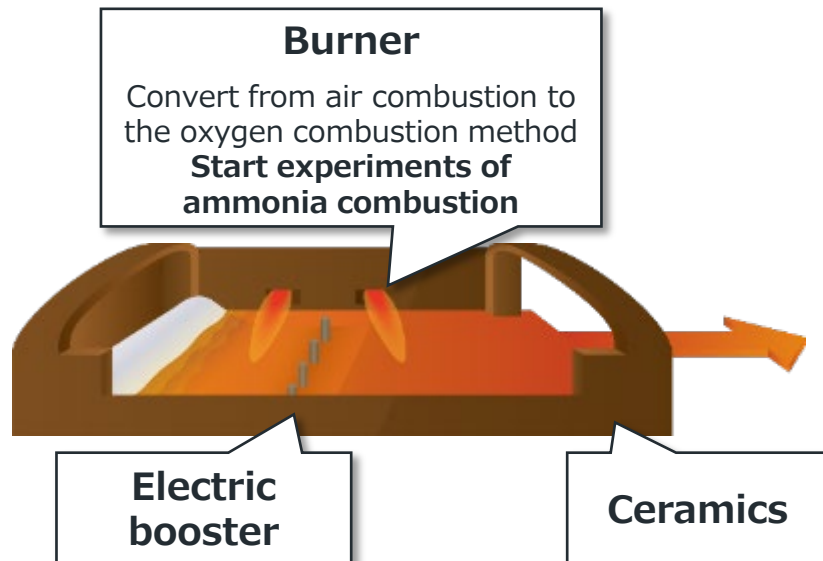
The above procedure identified fields where existing products can help address current social issues.



Addressing Climate Change Initiatives(1): Energy-Saving Glass Manufacturing Technology

- Develop and introduce world-leading energy-saving glass manufacturing technologies as a leader in the industry
- Promote cutting-edge production technology development such as carbon-free ammonia combustion toward carbon net zero

Energy-saving glass manufacturing technology



Ammonia combustion technology development

Combustion with natural gas and heavy oil
=> Ammonia combustion

Ammonia

- Generates no CO₂ during combustion
- Ease of storage and transport
- Widely distributed

Adopted as a NEDO* commissioned project
Aim at full-scale introduction in glass melting furnaces

Addressing Climate Change Initiatives(2): Utilization of Renewable Energy

- Utilization of solar panel and wind turbine to supply power for offices and plants



Addressing Climate Change Initiatives(3): The Chemicals Business Related

- Contribution to reduction of GHG emissions from the whole lifecycle up to procurement of raw materials, manufacturing, logistics, sales, and disposal in addition to the operations themselves

New environmentally friendly refrigerant/thinner, AMOLEA™ series



Green house film, F-CLEAN™



- Promotion of the development of products and technologies that contribute to reduction of GHG emissions

Electrolytic polymer solution for fuel cell, FORBLUE™ i series



- Active promotion of mangrove forestation and coral reef protection activities in Southeast Asia

Mangrove forestation project kick-off ceremony by P.T. Asahimas Chemical (December 22, 2021)



Create social values through products, technologies, and company activities

Business Social values	Glass	Electronics	Chemicals	Ceramics
Contribution to the realization of a sustainable global environment	<ul style="list-style-type: none"> - Float flat glass (products using recycled raw materials, Thinned glass) - Low-E double glazing glass - Coating glass - Photovoltaics-embedded glass - Thinned glass(chemically strengthened glass) - Automotive glass etc. 	<ul style="list-style-type: none"> - Display glass (products using recycled raw materials) - Solar cell TCO glass - Float cover glass for PV module - Optical Materials - Materials for high-speed communication - High power LED glass ceramics substrate etc. 	<ul style="list-style-type: none"> - Environmentally friendly refrigerant and solvents - Materials for fuel cells - Fluoropolymer - Fluoropolymer resin for coatings - Fluoropolymer resin for solar cell etc. 	<ul style="list-style-type: none"> - Refractory (products using recycled raw materials) - High thermal insulation ceramic wall for furnace - Refractory/engineering for biomass power boilers etc.
Contribution to the realization of safe and comfortable urban infrastructures	<ul style="list-style-type: none"> - Low-E double glazing glass - Disaster-resistant/security glass - Antennas installed in construction windows - Automotive glass - Cover glass for car-mounted displays - Sound insulation glass - Light control glass - Integrated glass antenna for cars - HUD components etc. 	<ul style="list-style-type: none"> - Display glass - Materials for onboard sensing/radar - Semiconductor processes and materials - Materials for high-speed communication - Glass substrates for AR/MR etc. 	<ul style="list-style-type: none"> - Polyvinyl chloride - Caustic soda - Sodium hypochlorite - Sodium bicarbonate etc. 	<ul style="list-style-type: none"> - Refractory/engineering for industrial furnace - Refractory/engineering for waste incinerator etc.
Contribution to the realization of safe and healthy lives	<ul style="list-style-type: none"> - Low-E double glazing glass - UV cut glass etc. 	<ul style="list-style-type: none"> - Display glass for medical monitors - Materials for high-speed communication - Laboratory glass ware - Tissue culture products etc. 	<ul style="list-style-type: none"> - Pharmaceutical active and intermediates ingredient - Agrochemical active and intermediates ingredients - Green house film - High-function membrane for water treatment - Sodium bicarbonate (infusion for dialysis) etc. 	

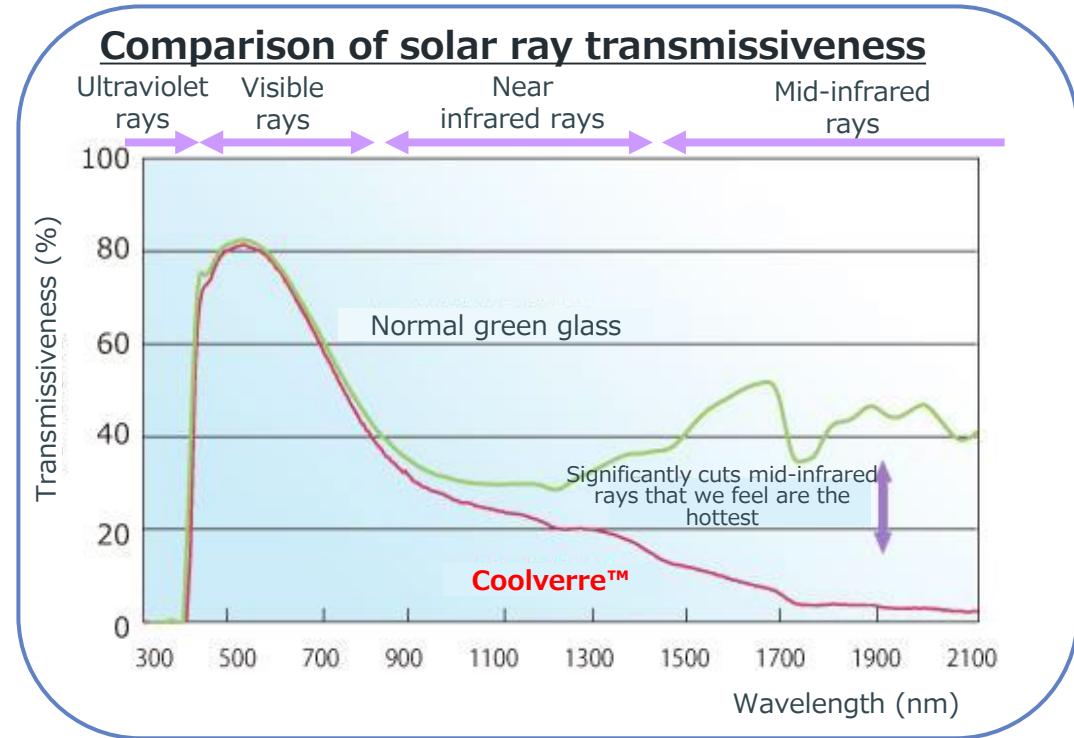
Example of social value creation through products: Automotive glass

Coolverre™



Cuts both infrared rays and ultraviolet rays to improve comfort in the vehicle

- Efficiently cuts **mid-infrared rays**, which we feel are the hottest among solar rays, to reduce **sizzling heat** caused by direct sunlight.
- Prevents temperature rise in the vehicle to improve comfort and **fuel efficiency**.
- It also cuts ultraviolet rays, which cause aging of skin, by about 99%.
- It has radio wave transmissiveness.



IR cut agent (heat absorption type)

Knead IR (infrared ray) cut agent in the interlayer to effectively cut IR.



AGC's corporate governance system

- Became a company with board of corporate auditors in 2002
- Set up a nominating committee and a compensation committee as voluntary discretionary organizations where a majority of members are outside directors

Internal auditor



Full-time auditor
Tetsuya Tatsuno

Independent outside auditor



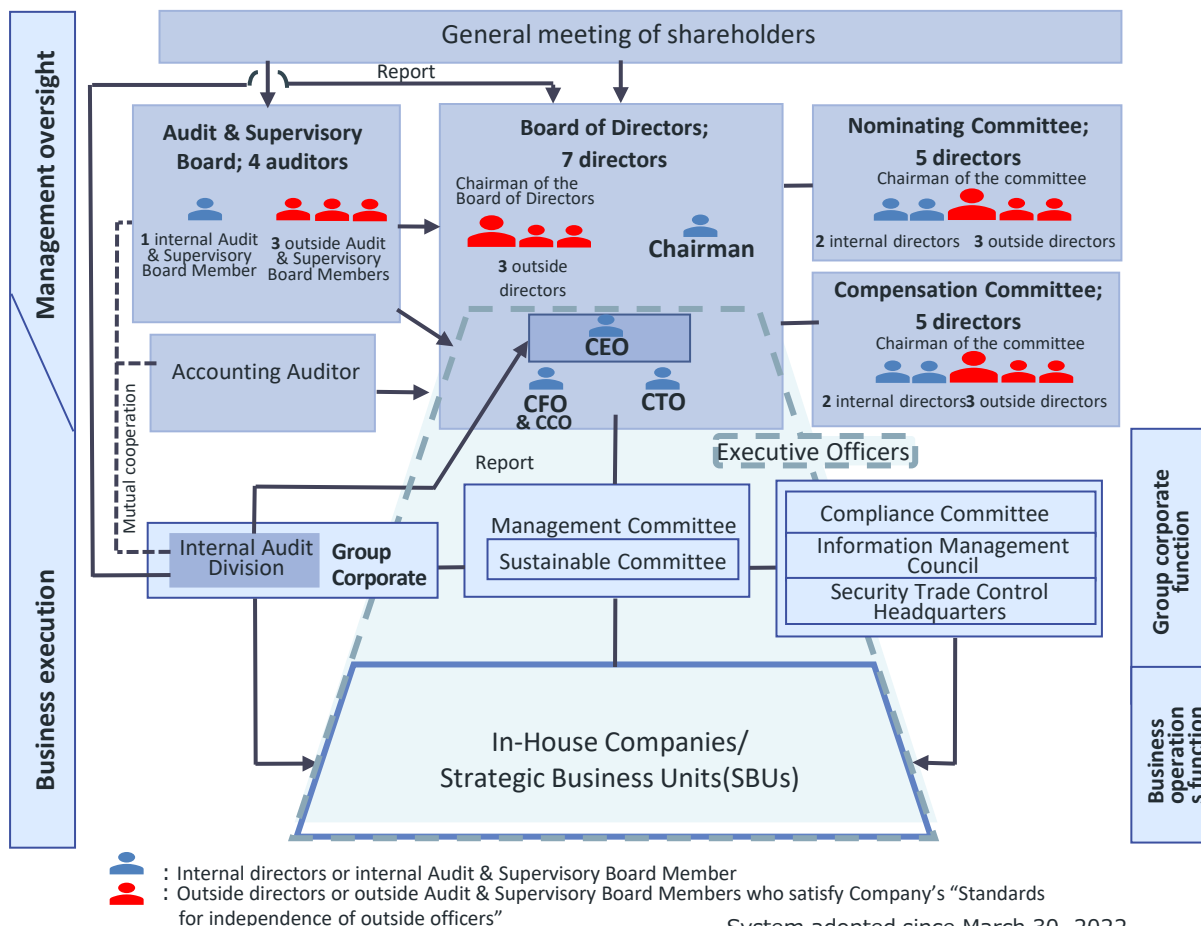
Full-time auditor
Yoshiyuki Morimoto



Part-time auditor
Yaeko Takeoka



Part-time auditor
Tatsuro Ishizuka



Internal directors



Chairperson
Takuya
Shimamura



CEO
Yoshinori Hirai



CFO
Shinji Miyaji



CTO
Hideyuki Kurata

Independent outside director



Chairperson of the
board of directors
Hiroyuki Yanagi



Chairperson of the
nominating committee
Keiko Honda



Chairperson of the
compensation committee
Isao Teshirogi

External evaluations

FTSE4Good Index Series



FTSE Blossom Japan Index



CDP Climate Change A-



4 stars awarded in the 5th Nikkei
"Smart Work Management" survey



Nadeshiko Brand

as a company that excels in promoting the advancement of women in 2021



"White 500" Company

in recognition of initiatives to promote strategic health management
for its employees



EcoVadis Supplier Evaluations

PLATINUM rated for the Kashima plant and AGC Pharma Chemicals Europe
Highly rated in several other domestic and international locations



Derwent Top 100 Global Innovator 2022

DX Brand 2022

in recognition of digital transformation efforts





Your Dreams, Our Challenge

END

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