

ESG Performance Highlights

Economic Performance

million

RMB

Total profit

million

RMB

Note: Social contributic

cia a

Social Performance

%

%

thousand

hours

Environmental Performance

MWh/RMB'0,000

m³/RMB'0,000

tCO_2e/RMB'0,000

kg/RMB'0,000

kg/RMB'0,000

ESG Management System

influential enterprise in the glass industry, and contributes to the realization of global clean energy transformation and goal of

Corporate culture of Flat Glass

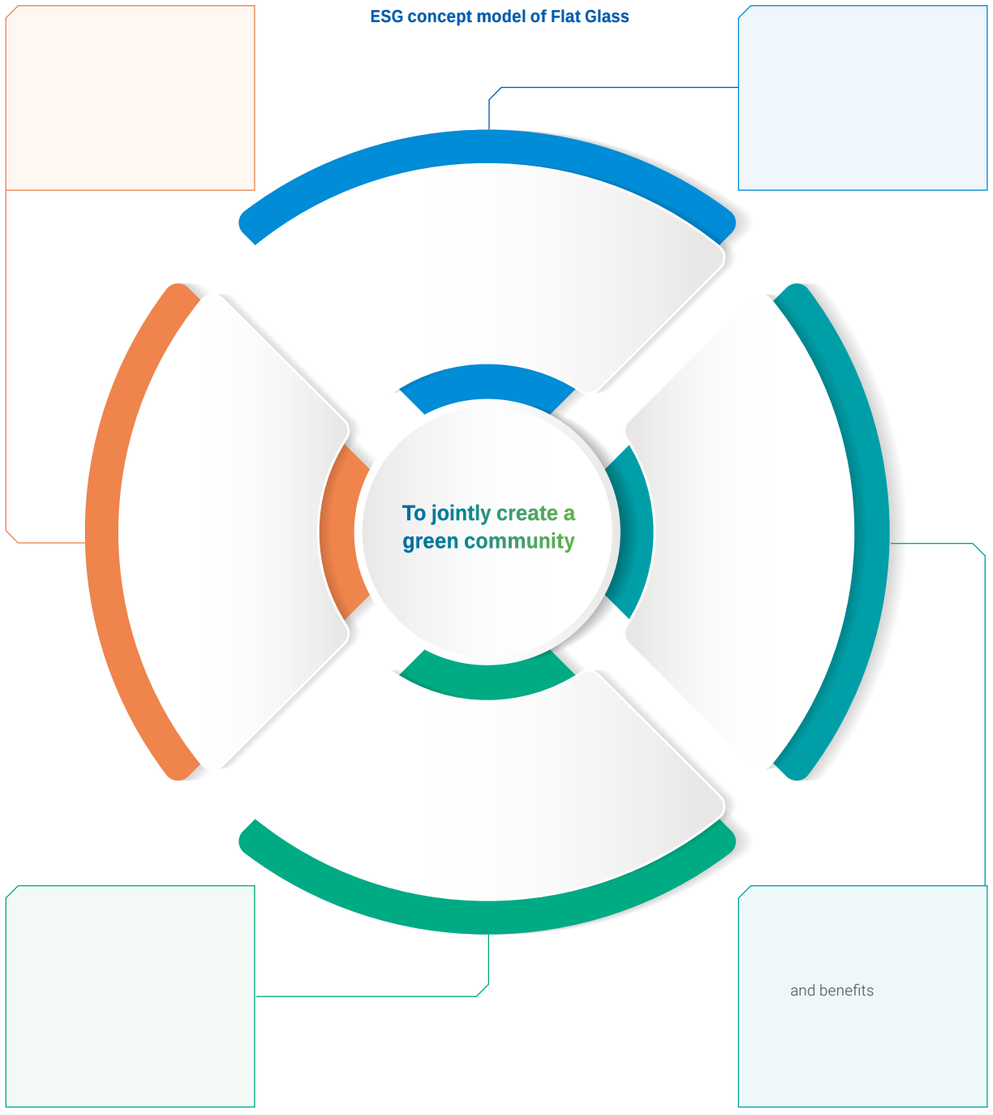


opportunities, review the identification and sequencing results of ESG material issues of the Company, promote the

Through the practice of energy conservation and emission reduction, efficient use of resources and other aspects, the

economic, environmental and social benefits, Flat Glass builds an ESG ecosystem of "sound management", "win-win cooperation", "green

ESG concept model of Flat Glass



Major ESG-related proposals considered by the Board and its committees in 2023

Considered by	ESG issues	Contents
Board		Profit distribution plan, etc.
		and benefits
Risk Management Committee		
Remuneration Committee		and benefits
Strategic Development Committee		
Nomination Committee		

Stakeholder Communication and Identification of

Major stakeholders and communication of Flat Glass

Major stakeholders	Issues	Methods/ Channels of communication
Shareholders and investors		
Governments and regulators		
Customers (businesses)		Confidentiality mechanism
Suppliers		
Employees	Employees' interests and benefits	

Major stakeholders	Issues	Methods/ Channels of communication
Industry associations		
Community and environment		Identification of and responding to



Key changes to material issues of Flat Glass in 2023

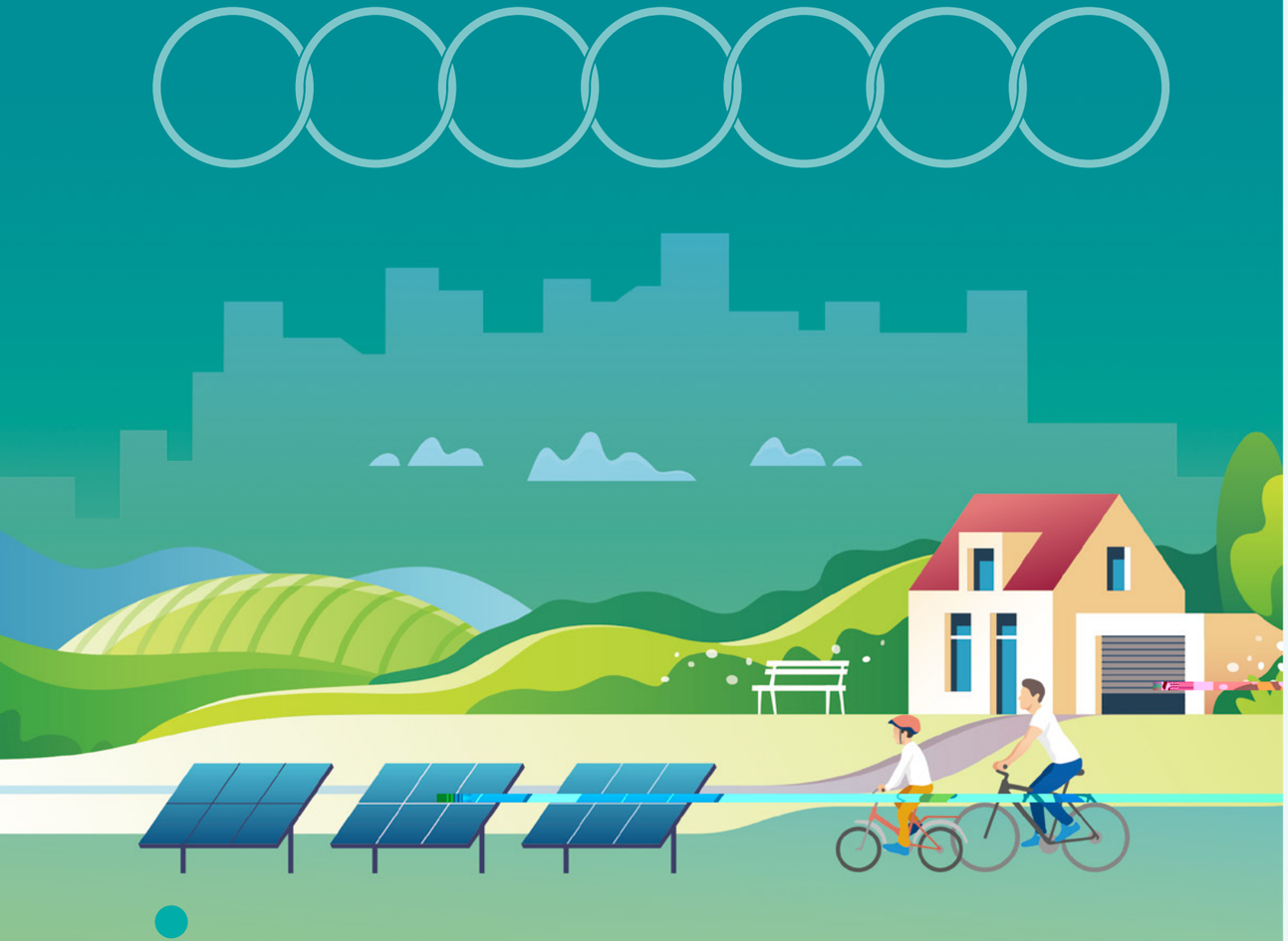
Material issues in 2022	Material issues in 2023	Changes	Reasons

Matrix of material issues of Flat Glass in 2023



Embracing a Green Future

Issues responded in this chapter



materials for crystalline silicon PV modules. Moreover, Flat Glass continues to improve the life and power generation efficiency of PV modules through innovation and technological optimization, helping to achieve a more efficient solar energy conversion.

effectively reduce its carbon footprint; Flat Glass significantly improved energy efficiency by optimizing energy use processes; In

Management of risks and opportunities arising from climate changes

Climate change risks	Details	Countermeasures
	costs, as to increase profits.	

Climate change opportunities	Details	Countermeasures
Resource efficiency	improving efficiency in the use of resources including	Actively adopt green office and green

Active promotion of energy transformation

Goal		
Path I	Energy use improvement	Reduce power losses through replacing high-efficiency Grade 1 transformers ; Make full use of waste heat resources and improving the efficiency of energy
Path II	Energy structure transformation	
Energy saving performance		



National-level Green Factories

Seizing the opportunities of clean technology

In the wave of clean energy, PV, as a relatively mature technology field, is ushering in unprecedented development opportunities.

PV glass market performance of Flat

Revenue from PV glass of Flat Glass and percentage

PV industry exchange event of Flat Glass in 2023

Main achievements of PV glass R&D by Flat Glass in 2023

Changes in R&D expenses of Flat Glass

Industry standards developed by Flat Glass

Anti-reflective coated glass for PV modules (JC/T2170-2013)

Environmental Management System

Types, production chains and disposal methods of waste water of Flat Glass

Types of waste water	Production chains	Disposal methods

Waste water management measures of Flat Glass in 2023

Waste gas management

Emission standards and main control indicators of waste gas of Flat Glass

Emission standards	Main control indicators	Monitoring methods	Compliance in 2023

Types, production chains and disposal methods of waste gas of Flat Glass

Types of waste gas	Production chain	Disposal methods
Glass furnace flue gas		Integrated sulfur, dust and nitrate treatment with a ceramic filter.
		The air emission after high temperature combustion is finally discharged
Air emission from float		

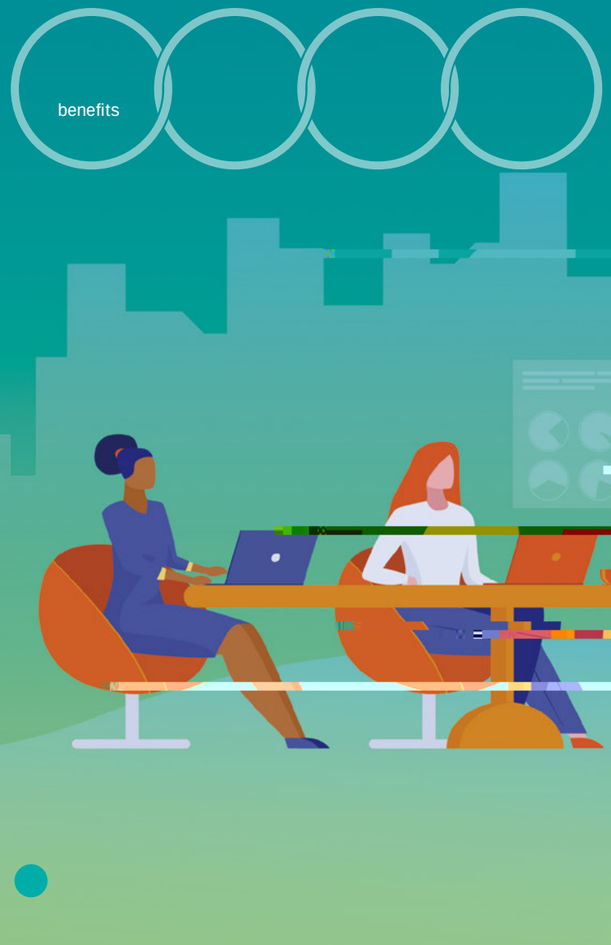
Waste gas management measures of Flat Glass in 2023

Waste management measures of Flat Glass in 2023

02 SOCIAL



Issues responded in this Chapter



the Company did not find any infringement of the rights and interests of employees, and was not subject to any complaints or

Overview of employment, basic rights and interests system of employees of Flat Glass

Promotion and development

- **Working hour**

subsidies, traffic subsidies, communication subsidies, etc. The Company stipulates that employees who have worked for more

In 2023, the Company took specific measures to improve compensation and benefits, such as increasing employees' night-shift

Employee communications

Case

Conducting a seminar for the newly-recruited college students in 2023



Caring for employees

safeguards the benefits of female employees.

Measures	Contents
Accommodation benefits	

Case

flower arranging activity called "Poetry and Art,

a professional floral art teacher, and 70 female

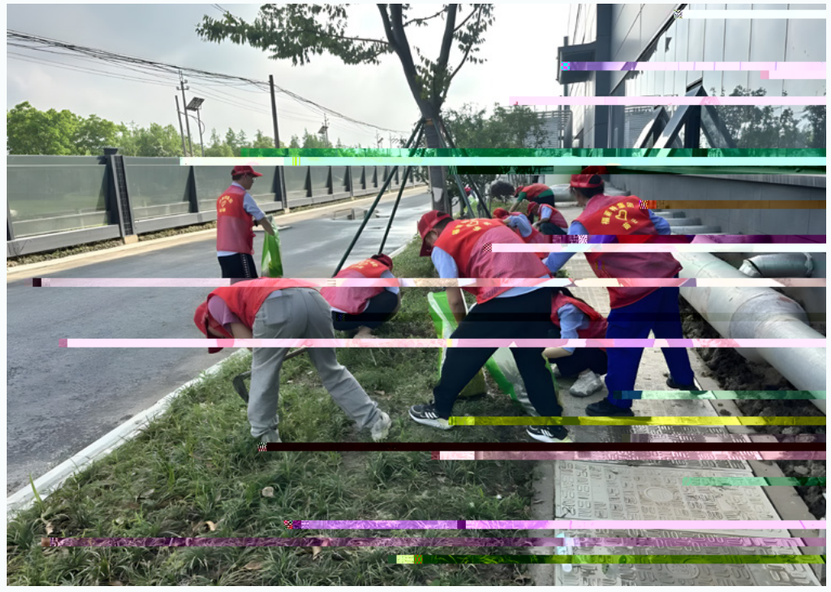
the skills of flower arranging, feel the charm of the art of flower arranging, and spend a good time together with the fragrance of flowers and



Flat flower arranging activity in Women's Day

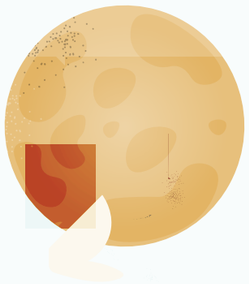
Employees activities

Carrying out the "May 4th" youth green sanitation volunteer activities



Flat Glass held traditional festival activities







Production safety

Employee training

Employee development

Carrying out the theme activities of "lighting up the micro-wish to realize the dream of happiness" for achieving common prosperity through the building the Party in collaboration with other units

society and the Party while encouraging the disabled to be self-esteem, self-confidence, self-strengthening

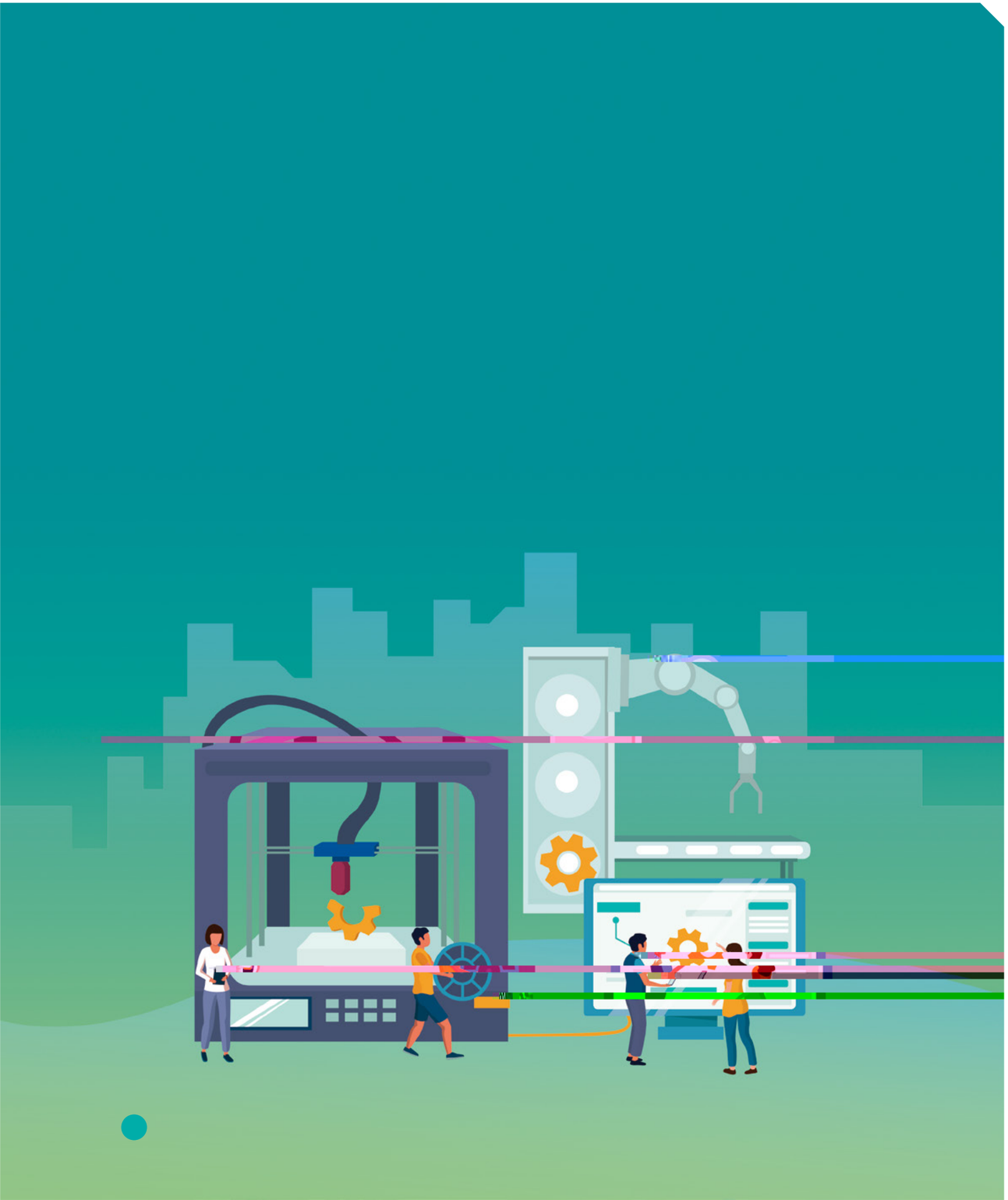
Awarding student aid scholarships

outstanding impoverished students, alleviating the problem of "difficulties in school education and dream

Carrying out "love without boundaries, share happiness"charitable activities



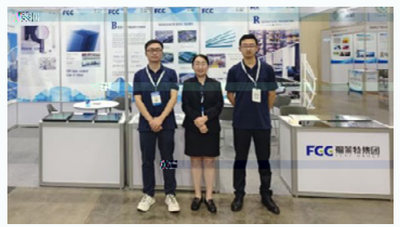




Improving quality management system

with poor performance in environmental and labor management, and ethics, the Company issues a rectification notice to them, and

Flat Glass participated in Glasstech Asia



Information security and privacy protection

The Company formulates the internal confidentiality systems including the Information Security Management System, pursuant

Regulations on the Promotion of the Digital Economy of Zhejiang. The Company strictly manages information, clarifies the way

2023, the Company carried out special audit on execution of information confidentiality of key employees and authorization of

Meanwhile, the Company sets up confidentiality provisions in the contracts entered into with customers, so as to fully respect

03

GOVERNANCE





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Risk
assessment

Risk management process of Flat GlassRisk
MH IRMGEMSR



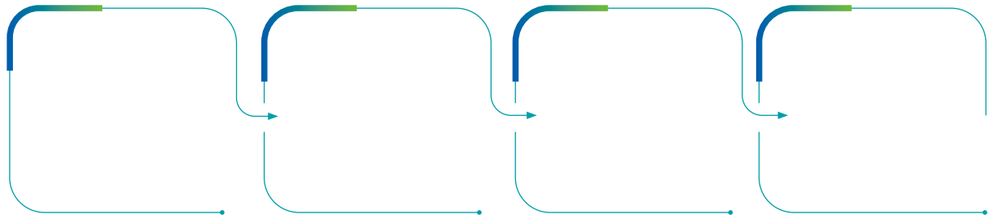
Internal control elements	Risk contents	Risk description
		Risk of insufficient human resources and brain drain.
		Risk of insufficient strategic guarantee.
		in the demand for fixed capital investment.
		depreciation, inventory shortage; risks such as inefficient use of fixed assets,
		for internal control, improper authorization, insufficient information construction, and inefficient internal information transmission;information
		Risks such as contract subject, contract performance, insufficient post-

Business ethics and anti-corruption

Integrity management structure of Flat Glass



Anti-corruption whistle-blowing and handling process of Flat Glass



confirmed violations of the Company in bribery, extortion, fraud and money laundering.

Case

Convening a series of anti-corruption compliance training activities for 2023

measures as well as specific case analyses.





Compliance operations

List of major laws and regulations in which the Company involves and compliance status

Area	Name of major laws and regulations that the Company complies with	Compliance status
		Complied
	China: **Vietnam:**	Complied
	China: **Vietnam:** Đ Đ	Complied
	China: **Vietnam:**	Complied
	China: **Vietnam:**	Complied
	China: **Vietnam:**	Complied

ESG Data Performance Table

Indicators	Unit	2021	2022	2023
Total profit				

Note 1: [Calculation method] Social contribution value per share = (net profit of the Company + taxes created for the country during the year + salaries paid to employees

Employment and Labour Practices Performance

Indicator	Unit	2021	2022	2023

Supply Chain Performance

Indicator	Unit	2021	2022	2023

[1]. In 2022, the number of suppliers has changed significantly compared to 2021, which was due to the significant increase in the number of suppliers as a result of the

[2]. In 2023, the number of suppliers from Hong Kong, Macau, and Taiwan as well as overseas has changed significantly compared to 2022, which was due to the

Product Responsibility Performance

Indicator	Unit	2021	2022	2023

[1]. From 2022 onwards, the number of complaints decreased significantly due to:

Anti-corruption Performance

Indicator	Unit	2021	2022	2023

Community Investment Performance

Indicator	Unit	2021	2022	2023

Therefore, the number of employees participated in public welfare and volunteer activities increased significantly.

Index of Reporting Standards

Part B: Mandatory Disclosure Requirements	

Part C: “Comply or explain” Provisions	
	Training
	Management
	Responsibility
Natural Resources	
	Investment

Terms and Disclosures	Disclosure Chapter
	Satisfied the requirement
	Deficiencies and problems in fulfilling social
	Improvement measures and specific time

Terms and Disclosures	Disclosure Chapter


FGG
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FLAT GR