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SHUIFA

中國水發興業能源集團有限公司
China Shuifa Singyes Energy Holdings Limited

Stock Code 港股代碼：750



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ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORT

環境、社會及管治報告 2025

ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORT

環境、社會及管治報告

ABOUT THIS REPORT

This is the 2025 Environmental, Social, and Governance Report (hereinafter referred to as “this report” or the “report”) released by China Shuifa Singyes Energy Holdings Limited (hereinafter referred to as “Shuifa Singyes Energy”, “the Group” or “We”). The Report elaborates on the initiatives, management, and performance of the Group in terms of environmental, social, and governance aspects in 2025, aiming to demonstrate to stakeholders the commitments and efforts we have made in various fields of sustainable development.

Reporting Period and Scope

The reporting period of this Report is from January 1, 2025, to December 31, 2025. For clarity, some content may involve relevant matters before or after the reporting period.

This Report covers the primary business and operational activities of the Group, including curtain wall and green building business, system design, construction, and operation and maintenance of wind farms and solar photovoltaic power stations, as well as the sale of supporting products and green electricity. Unless otherwise specified, the scope of the Report is consistent with that of the annual report of the Group.

Report Reference Guidelines

This report has been prepared in accordance with Appendix C2 Environmental, Social and Governance Reporting Guide of the Main Board Listing Rules issued by The Stock Exchange of Hong Kong Limited (HKEX). In addition, this report has also made reference to the requirements of the IFRS Sustainability Disclosure Standards, including IFRS S1 and IFRS S2, in relevant disclosures to enhance the completeness and transparency of information. For detailed information on the Group's corporate governance, please refer to the Corporate Governance Report in the Group's 2025 Annual Report.

關於本報告

本報告系中國水發興業能源集團有限公司(以下簡稱「水發興業能源」或「集團」)發佈的2025年度環境、社會及管治報告(以下簡稱「本報告」或「報告」)。報告闡述集團2025年度在環境、社會及管治等方面的倡議、管理與績效表現，旨在向持份者說明我們在可持續發展各領域所作出的承諾與努力。

報告期間與範圍

本報告的報告期為2025年1月1日至2025年12月31日。為便於說明，部分內容可能涉及報告期前後的相關事項。

本報告涵蓋集團主要業務及運營活動，包括幕牆及綠色建築業務、風電場及太陽能光伏電站的系統設計、建設及運營維護業務，以及配套產品銷售和綠色電力銷售業務。除另有說明外，報告範圍與集團年報範圍一致。

報告編制依據

本報告根據香港聯合交易所有限公司(以下簡稱「聯交所」)《主機板上市規則》附錄C2《環境、社會及管治報告守則》編制。同時，本報告在相關內容披露中亦參考了《國際財務報告可持續披露準則》(以下簡稱「IFRS S1、S2準則」)有關要求，以提升信息披露的完整性與透明度。有關集團企業管治的詳細情況，請參閱集團《二零二五年度報告》中的《企業管治報告》。

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In preparing this report, the Group has followed the reporting principles below:

Materiality: During the reporting period, the Company conducted a double materiality assessment, identifying material topics from the perspectives of impact materiality and financial materiality. Impact materiality is used to assess the actual and potential impacts of the Group's operations on the economy, environment and society, while financial materiality is used to evaluate the potential effects of relevant topics on the Group's operations and financial position. The identified material topics have been reviewed by the Board of Directors and the ESG Working Group and are disclosed with emphasis in this report.

Quantitative: Based on the current data foundation, the Company quantitatively discloses key performance indicators where conditions permit, and provides explanations of the calculation methods and applicable assumptions.

Balance: Based on existing management practices and data conditions, this report presents an objective account of the Group's environmental, social and governance performance during the reporting period.

Consistency: The Company adopts consistent statistical methodologies and disclosure scopes in the preparation of this report. Where there are any changes in statistical methods or disclosure scope, corresponding explanations will be provided to ensure comparability of data.

在編制本報告時，集團遵循以下彙報原則：

重要性：集團於報告期內開展雙重重要性評估工作，從影響重要性及財務重要性兩個維度識別重要性議題。影響重要性用於分析集團經營活動對經濟、環境及社會產生的實際及潛在影響；財務重要性用於分析相關議題對集團經營及財務狀況可能產生的潛在影響。識別出的重要性議題已由董事會及環境、社會及管治工作小組審閱，並在本報告中予以重點披露。

量化：集團根據現階段數據基礎，對具備條件的關鍵績效指標進行量化披露，並說明相關計算方法及適用假設。

平衡：本報告基於現有管理基礎與數據條件，客觀呈報集團於報告期內的環境、社會及管治相關表現。

一致性：集團在編制報告時盡可能採用一致的統計方法及披露範圍。如統計方法或披露範圍發生變更，將作出相應說明，以確保數據具備可比性。

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Explanatory Note

釋義說明

Abbreviation

簡稱

Full Name

全稱

Shuifa Singyes Energy, the Group or We	China Shuifa Singyes Energy Holdings Limited
水發興業能源、集團	中國水發興業能源集團有限公司
Beijing Green Construction	Shuifa Green Construction (Beijing) Urban Technology Development Co., Ltd.
北京綠建	水發綠建(北京)城市科技發展有限公司
Jiangxi Yaxing	Jiangxi Yaxing Construction Co., Ltd.
江西亞興	江西亞興建設有限公司
Zhuhai Energy-saving	Zhuhai Singyes Energy-saving Technology Co., Ltd.
珠海節能	珠海興業節能科技有限公司
Zhuhai Singyes	Zhuhai Singyes Green Building Technology Co., Ltd.
珠海興業	珠海興業綠色建築科技有限公司
Shuifa Energy Engineering	Shuifa Energy Engineering Co., Ltd.
水發工程	水發能源工程有限公司
Shuifa Green Energy	Shuifa Green Energy Co., Ltd.
水發綠能	水發綠色能源股份有限公司
Singyes New Materials	China Shuifa Singyes New Materials Holdings Limited
興業新材料	中國水發興業新材料控股有限公司
Hunan Technology	Hunan Shuifa Singyes Technology Co., Ltd.
湖南科技	湖南水發興業科技有限公司
Shuifa Zhongbei	Shuifa Zhongbei (Jinan) Energy Co., Ltd.
水發中北	水發中北(濟南)能源有限公司

Publication Format

This report is published in both Traditional Chinese and English on the HKEXnews website of The Stock Exchange of Hong Kong Limited (www.hkexnews.hk). In the event of any discrepancy between the two versions, the Traditional Chinese version shall prevail.

發佈形式

本報告分別以繁體中文及英文版本在香港聯合交易所有限公司披露易網站(www.hkexnews.hk)刊發。如兩個版本之間存在不一致之處，概以繁體中文版本為準。

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Contact and Feedback

We value the opinions and suggestions of all stakeholders. If you have any comments or recommendations regarding the content of this report or the Group's sustainability performance, please feel free to contact us through the following channels:

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ABOUT SHUIFA SINGYES ENERGY

China Shuifa Singyes Energy Holdings Limited (00750.HK) was founded in 1995, formerly known as China Industrial Solar Technology Holdings Limited, and was listed on the main Board of the Hong Kong Stock Exchange in 2009. In November 2019, the company won the capital increase holding of Shandong Province's state-owned enterprise Shuifa Group Co., Ltd., and became a state-funded Hong Kong stock listed company of Shuifa Group.

After years of development, the Group has established three core business segments: clean energy, green building, and new materials. Its principal activities include the investment, system design, construction, and operation and maintenance of wind farms and solar photovoltaic power stations; the design and construction of curtain wall and green building projects; as well as the sale of related supporting products and green electricity.

- **Clean Energy:** We carry out project investment and engineering construction in areas such as wind power, photovoltaic power, and energy storage, with capabilities in system integration and operation and maintenance of new energy power stations. We have cumulatively invested in and constructed clean energy projects, including photovoltaic and wind power, with a total installed capacity of nearly 8 GW, and have also participated in the development of certain industry standards.

聯繫與反饋

集團重視各持份者的意見與建議。若您對本報告內容或集團的可持續發展表現有任何意見或建議，歡迎通過以下方式反饋。

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關於水發興業能源

中國水發興業能源集團有限公司(00750.HK)創建於1995年，原名中國興業太陽能技術控股有限公司，於2009年在香港聯合交易所有限公司主板上市。2019年11月，山東省屬國有企業水發集團有限公司增資控股，集團成為水發集團控股的港股上市公司。

經過多年發展，集團已形成清潔能源、綠色建築及新型材料三大業務板塊，主要從事風電場及太陽能光伏電站的投資、系統設計、建設及運營維護業務，幕牆及綠色建築工程的設計與施工，以及相關配套產品銷售和綠色電力銷售等業務。

- **在清潔能源領域**，集團圍繞風能、光伏、儲能等方向開展項目投資與工程建設，具備新能源電站系統集成及運維管理能力。累計投資及承建光伏、風電等清潔能源項目裝機規模接近8GW，亦參與部分行業標準制定。

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- **Green Building:** We have long been engaged in the design and construction of building curtain wall projects and have completed numerous projects both domestically and internationally. The Group's headquarters R&D building has obtained zero-energy operation certification, as well as Three-Star Green Building certification and LEED Platinum certification.
- **在綠色建築領域，**集團長期從事建築幕牆工程設計與施工，累計完成多項國內外項目。集團總部研發樓獲得零能耗運行標識，並取得綠色建築三星級及LEED鉑金級認證。
- **New Materials:** The Company owns Singyes New Materials Holdings Limited (08073.HK), a Hong Kong-listed company principally engaged in the research, development, and production of conductive film materials and related intelligent products.
- **在新型材料領域，**集團旗下擁有香港上市公司興業新材料(08073.HK)，主要從事導電薄膜材料及相關智慧產品的研發與生產。

Leveraging its state-owned controlling background and the Hong Kong capital market platform, we conduct operations along the industrial chain of clean energy applications and green building. We are committed to leveraging our technological advantages to continuously promote the development of energy conservation and environmental protection industries, and to contributing to the advancement of clean energy.

依託國有控股背景及香港資本市場平台，集團圍繞清潔能源應用與綠色建築相關產業鏈開展經營活動，致力於發揮技術優勢，持續推動節能環保產業發展，為清潔能源事業作出貢獻。

ENVIRONMENTAL, SOCIAL AND GOVERNANCE PRINCIPLE

We attach great importance to environmental protection and sustainable development, and are committed to balancing development and the interests of all stakeholders. While fostering a corporate culture that cares for employees and contributes to society, we continuously develop products with environmental protection, energy-saving and sustainability attributes. We strictly comply with applicable laws and regulations, protect intellectual property rights, and uphold a business philosophy of integrity and probity, working together with our employees and all sectors of society to build a harmonious, civilised and sustainable society.

The ESG Governance Structure

To ensure that ESG principles are deeply embedded in corporate governance and business operations, and to effectively advance the implementation of ESG-related initiatives, the Group has established a top-down ESG governance structure.

環境、社會及管治方針

集團高度重視環境保護與可持續發展，致力於平衡各方面的發展和利益，在營造關愛員工、關懷社會的企業風氣的同時，不斷研發具備環保節能及可持續發展特質的產品。集團嚴格遵守法規，維護知識產權，恪守廉潔奉公的經營理念，與員工和社會各方共同創造和諧、文明及可持續發展的社會。

ESG管治架構

為保障環境、社會及管治方針深度融入企業管治與業務運營，推動環境、社會及管治相關事務切實落地，集團已建立自上而下的ESG管治架構。

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At the Board level, the Board of Directors is responsible for the Group's ESG-related matters, with key responsibilities including:

- Formulating the Group's ESG strategic directions, policies and objectives.
- Reviewing and overseeing the assessment and management of key ESG issues.
- Supervising and reviewing ESG-related targets and performance.
- Reviewing the Group's ESG risk management and internal control mechanisms to ensure their effectiveness.

The Board comprises members with diverse ages, genders, professional backgrounds and work experience, possessing the appropriate skills, experience, knowledge and perspectives required to oversee ESG matters. With a diversified and professional approach, the Board continuously enhances the scientific basis of its decision-making. The Board convenes meetings at least once a year to discuss ESG matters and reviews the Group's business operations in light of progress toward ESG targets, so as to adjust business strategies in a timely manner. This ensures that ESG strategies are aligned with the Group's overall business strategy, thereby promoting sustainable development and contributing to the realization of national carbon neutrality goals.

在董事會層面，集團董事會對集團的環境、社會及管治相關事務負責，主要職責包括：

- 制定集團環境、社會及管治相關的戰略方向、策略及目標。
- 審議和監督環境、社會及管治相關重要範疇的評估管理工作。
- 對環境、社會及管治相關目標及績效表現進行監督和檢討。
- 檢討集團環境、社會及管治風險控制及內部控制機制，確保其有效性。

董事會由不同年齡、性別、專業背景及工作經驗的成員組成，具備監督管理集團環境、社會及管治事宜所需的適當技能、經驗、知識及觀點，以多元化與專業化視角持續提升科學決策水準。董事會至少每年召開一次會議討論集團環境、社會及管治事宜，亦就其目標達成進度審視集團的業務以適時調整業務方針，確保環境、社會及管治策略與集團的業務戰略協同推進，促進集團可持續發展並助力實現國家碳中和願景。

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At the executive level, the Company has established an ESG Working Group composed of core members from various departments of the Group, who possess relevant expertise and skills across environmental, social and governance areas. The Working Group is responsible for the implementation of ESG-related work, including:

- Identifying and assessing the Group's ESG risks and opportunities.
- Collecting and analyzing ESG-related data, conducting annual materiality assessments, and preparing ESG reports.
- Formulating ESG targets and regularly reviewing their progress.
- Ensuring that ESG-related work complies with applicable laws and regulations.

The Working Group convenes at least one meeting annually to review and summarise the Group's ESG-related matters, evaluate the effectiveness of existing policies and procedures, develop appropriate solutions, and report to the Board, thereby assisting the Board in overseeing the Group's ESG matters.

MATERIALITY MANAGEMENT

Materiality management forms the foundation of the Group's sustainability management and related information disclosure. During the reporting period, the Company conducted a double materiality assessment in accordance with the ESG Reporting Rules of the HKEX and international and domestic sustainability disclosure standards such as IFRS S1 and S2. Through this process, we identified sustainability topics that have significant impacts on the Group's enterprise value as well as on the economy, society and the environment. The assessment results are used to determine key disclosure priorities in this report and to guide the Group's management and practices in relation to these topics.

在執行層面，集團已成立了ESG工作小組，由集團不同部門的核心成員組成，其在環境、社以及管治各領域均具備相關專業知識與技能。工作小組負責環境、社會及管治事宜的具體執行工作，主要包括：

- 識別和評估集團的環境、社會及管治風險和機遇。
- 收集和分析環境、社會及管治相關數據，開展年度重要性議題評估並編制環境、社會及管治報告。
- 制定並定期檢討環境、社會及管治目標進度。
- 確保環境、社會及管治各項工作符合相關法律法規。

工作小組應至少每年召開一次會議討論總結集團環境、社會及管治相關事務情況，評估現行政策和程序的有效性，制定適當的解決方案，並向董事會彙報，以協助董事會監督集團環境、社會及管治事宜。

重要性議題管理

重要性議題管理是集團開展可持續發展管理及相關信息披露工作的基礎。報告期內，集團根據聯交所守則及IFRS S1、S2準則等國際國內可持續發展披露規則，開展雙重重要性評估工作，識別對集團企業價值以及經濟、社會和環境產生重大影響的可持續發展議題。評估結果用於確定報告披露重點，並指導集團在相關議題上的管理與實踐。

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Double Materiality Assessment

In conducting the materiality assessment, the Group followed the principle of “double materiality” to determine whether specific topics are expected to have significant impacts on the Group’s business model and operations in the short, medium and long term (financial materiality), as well as whether the Group’s performance on these topics may have significant impacts on the economy, society and the environment (impact materiality). The Company collected assessment feedback from 17 stakeholders through questionnaire surveys and, in combination with the results of financial materiality assessments of relevant sustainability topics, ultimately identified six topics of “double materiality” and 17 topics of either “impact materiality” or “financial materiality”. These topics are further elaborated in the relevant sections of this report.

雙重重要性評估工作流程

在重要性議題評估工作中，集團遵循「雙重重要性」原則，識別議題是否預期在短期、中期和長期內對集團商業模式、業務運營等產生重大影響（財務重要性），以及集團在相應議題的表現是否會對經濟、社會和環境產生重大影響（影響重要性）。集團通過問卷調查的形式向17位持份者徵詢評估意見，並結合相關可持續發展議題的財務重要性評估結果，最終識別了6項具有「雙重重要性」的議題，17項具有「影響重要性」或「財務重要性」的議題，並在本報告相關章節予以說明。

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Step 1: Understanding the Context and Identifying Sustainability Matters

The Company identified a list of sustainability topics relevant to the Group by taking into account five categories of factors, including selected reporting standards, international initiatives, global economic and macro policy trends, market trends, and the Group's strategic and development needs.

步驟1：背景分析與議題識別

集團結合選定的報告編制準則、國際倡議、全球經濟與宏觀政策趨勢、市場趨勢及集團策略與發展需求這五類因素，識別與集團相關的可持續發展議題清單。

The Group's Sustainability Topics List 集團可持續發展議題清單

Dimension 議題領域	Sustainability Topics 議題名稱	
Environmental 環境	Climate Response 應對氣候變化	Environmental Compliance Management 環境合規管理
	Pollutant Discharge 污染物排放	Energy Usage 能源利用
	Waste Disposal 廢棄物處理	Usage of Water Resources 水資源利用
	Ecosystem and Biodiversity Protection 生態系統和生物多樣性保護	Circular Economy 循環經濟
Social 社會	Equal Opportunities 平等機會	Supply Chain Management 供應鏈管理
	Human Rights Protection 人權保護	Responsible Products 負責任產品
	Employee Communication 員工溝通	Supporting Industry Development 助力行業發展
	Development and Training 發展與培訓	Research and Innovation 研發創新
	Compensation and Benefits 薪酬與福利	Data Security and Customer Privacy Protection 數據安全與客戶隱私保護
	Occupational Health and Safety 職業健康與安全	Community Development 社區發展
Governance 管治	Communications with Stakeholders 持份者溝通	Anti-unfair Competition 反不正當競爭
	Risk and Compliance Management 風險與合規管理	Tax Compliance 稅務合規
	Anti-corruption and Anti-bribery 反貪污及反賄賂	Due Diligence 盡職調查

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Step 2-1: Impact Materiality Assessment

The Group conducts impact materiality assessments of sustainability topics across economic, environmental and social dimensions based on two criteria: “impact significance” and “likelihood of occurrence”:

- **Dimension 1: Assessment of Economic, Social and Environmental Impact Significance**

Stakeholder questionnaires were conducted, and qualitative scores for each topic (on a scale of 1–5) were quantified using statistical methods such as weighted averages and variance analysis. Combined with weight allocations, a comprehensive impact score was calculated to determine the level of impact materiality for each topic. A total of 17 valid questionnaires were collected in this survey.

- **Dimension 2: Assessment of the Likelihood of Economic, Social and Environmental Impacts**

The likelihood of impact occurrence was assessed based on the frequency of similar past events and by referencing industry experiences with comparable incidents, with impacts quantified and categorised to determine the probability of occurrence for each topic.

步驟2-1：影響重要性評估

集團圍繞「影響程度」及「影響發生可能性」兩個維度開展可持續發展各議題的經濟、環境及社會維度影響重要性評估工作：

- **維度1：經濟、社會和環境影響程度評估**

開展持份者問卷調查，採用加權平均、方差分析等統計方法量化各議題的定性評分（1–5級），結合權重分配計算影響程度綜合得分，最終確定各議題的影響重要性水準。本次調查共回收有效問卷17份。

- **維度2：經濟、社會和環境影響發生可能性評估**

根據過往同類事件的發生頻率進行評估，並借鑒行業類似事件經驗，對影響發生可能性進行分級量化，確定各議題相關影響發生的可能性。

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Impact Materiality Assessment Outcomes

影響重要性評估結果

Impact Materiality: Low

影響重要性：一般

- Pollutant Discharge
污染物排放
- Waste Disposal
廢棄物處理
- Environmental Compliance Management
環境合規管理
- Usage of Water Resources
水資源利用
- Equal Opportunities
平等機會
- Human Rights Protection
人權保護

Impact Materiality: Medium

影響重要性：中等

- Ecosystem and Biodiversity Protection
生態系統和生物多樣性保護
- Circular Economy
循環經濟
- Employee Communication
員工溝通
- Compensation and Benefits
薪酬與福利
- Occupational Health and Safety
職業健康與安全
- Supply Chain Management
供應鏈管理
- Data Security and Customer Privacy Protection
數據安全與客戶隱私保護
- Due Diligence
盡職調查
- Communications with Stakeholders
持份者溝通
- Anti-corruption and Anti-bribery
反貪污及反賄賂
- Anti-unfair Competition
反不正當競爭

Impact Materiality: High

影響重要性：較高

- Climate Response
應對氣候變化
- Energy Usage
能源利用
- Development and Training
發展與培訓
- Responsible Products
負責任產品
- Supporting Industry Development
助力行業發展
- Research and Innovation
研發創新
- Community Development
社區發展
- Risk and Compliance Management
風險與合規管理
- Tax Compliance
稅務合規

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Definition of Impact Materiality Levels

影響重要性程度的定義

Low 一般	Refers to an impact materiality score of $X < 2.5$. The Company's performance on the topic may have some impact, but the scope of impact is limited and the likelihood of occurrence is low. 指影響重要性得分 $X < 2.5$ 分，企業在該議題上的表現可能產生一定影響，但影響範圍較小，且發生概率較低。
Medium 中等	Refers to an impact materiality score of $2.5 \leq X \leq 3$. The Company's performance on the topic may have a relatively significant impact, with a moderately broad scope and a certain likelihood of occurrence under specific circumstances. 指影響重要性得分 $2.5 \leq X \leq 3$ 分，企業在該議題上的表現可能產生較為顯著的影響，影響範圍具有一定規模，且在一定情形下具有發生可能性。
High 較高	Refers to an impact materiality score of $X > 3$. The Company's performance on the topic may have a major or far-reaching impact, with wide-ranging and significant effects and a high likelihood of occurrence. 指影響重要性得分 $X > 3$ 分，企業在該議題上的表現可能產生重大或深遠影響，影響範圍廣泛、程度較大，具有較高發生概率。

Step 2-2: Financial Materiality Assessment

The Group conducts financial materiality assessments of each sustainability topic based on two criteria: "financial impact magnitude" and "likelihood of financial impact":

- Dimension 1: Assessment of Financial Impact Magnitude**
 We evaluate the potential direct and indirect, positive and negative impacts that the opportunities and risks associated with each topic may have on the Group's financial performance during the reporting period and the forecast period.
- Dimension 2: Assessment of the Likelihood of Financial Impact**
 We assess the probability that the opportunities and risks associated with each topic will affect the Group's financial performance over the short, medium, and long term.

步驟2-2：財務重要性評估

集團圍繞「影響程度」及「影響發生可能性」兩個維度開展各可持續發展議題的財務重要性評估工作：

- 維度1：財務影響程度評估**
 評估在報告期和未來預測期間內，各議題所涉及的機遇和風險可能對集團財務績效產生的直接和間接、正向和負向的影響。
- 維度2：財務影響發生可能性評估**
 評估在短、中、長期時間範圍內，各議題所涉及的機遇和風險對集團財務績效產生影響的可能性。

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Definition of Short, Medium and Long Term

短中長期的定義

Short Term	Refers to within 1 year (inclusive) after the end of the reporting period.
短期	指報告期結束後1年以內(含1年)。
Medium Term	Refers to 1 to 5 years (inclusive) after the end of the reporting period.
中期	指報告期結束後1年至5年(含5年)。
Long Term	Refers to more than 5 years after the end of the reporting period.
長期	指報告期結束後5年以上。

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Financial Materiality Assessment Outcomes

財務重要性評估結果

Financial Materiality Low

財務重要性：一般

- Waste Disposal
廢棄物處理
- Environmental Compliance Management
環境合規管理
- Usage of Water Resources
水資源利用

Financial Materiality Medium

財務重要性：中等

- Pollutant Discharge
污染物排放
- Ecosystem and Biodiversity Protection
生態系統和生物多樣性保護
- Circular Economy
循環經濟
- Equal Opportunities
平等機會
- Human Rights Protection
人權保護
- Employee Communication
員工溝通
- Development and Training
發展與培訓
- Occupational Health and Safety
職業健康與安全
- Supporting Industry Development
助力行業發展
- Data Security and Customer Privacy Protection
數據安全與客戶隱私保護
- Community Development
社區發展
- Due Diligence
盡職調查
- Communications with Stakeholders
持份者溝通
- Anti-corruption and Anti-bribery
反貪污及反賄賂
- Anti-unfair Competition
反不正當競爭

Financial Materiality High

財務重要性：較高

- Climate Response
應對氣候變化
- Energy Usage
能源利用
- Compensation and Benefits
薪酬與福利
- Supply Chain Management
供應鏈管理
- Responsible Products
負責任產品
- Research and Innovation
研發創新
- Risk and Compliance Management
風險與合規管理
- Tax Compliance
稅務合規

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Definition of Financial Materiality Levels

財務重要性程度的定義

Low 一般	The Company's performance on the topic may have financial impacts in the short, medium, or long term, but the overall scale of impact is limited and does not constitute a significant financial effect. 指企業在該議題的表現可能在短期、中期或長期產生財務影響，但整體影響規模有限，未構成重大財務影響。
Medium 中等	The Company's performance on the topic may have relatively significant financial impacts, but the overall magnitude of the impact has not reached a level considered significant. 指企業在該議題上的表現可能產生較為顯著的財務影響，但整體影響程度尚未達到重大水準。
High 較高	The Company's performance on the topic may have major or far-reaching financial impacts in at least one of the short, medium, or long-term periods. 指企業在該議題上的表現可能在短期、中期或長期至少一個階段產生重大或深遠的財務影響。

Step 3: Consolidating Impact and Financial Materiality Outcomes

Based on the results of impact materiality and financial materiality assessments, the Group has developed a materiality matrix to identify and determine the materiality levels of each topic.

步驟3：雙重重要性評估分析

根據影響重要性與財務重要性評估結果，形成集團重要性議題矩陣，識別並確定了各議題重要性等級。

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ENVIRONMENTAL 環境議題	SOCIAL 社會議題	GOVERNANCE 管治議題
1. Climate Response 應對氣候變化	9. Equal Opportunities 平等機會	21. Due Diligence 盡職調查
2. Pollutant Discharge 污染物排放	10. Human Rights Protection 人權保護	22. Communications with Stakeholders 持份者溝通
3. Waste Disposal 廢棄物處理	11. Employee Communication 員工溝通	23. Risk and Compliance Management 風險與合規管理
4. Ecosystem and Biodiversity Protection 生態系統和生物多種性保護	12. Development and Training 發展與培訓	24. Anti-corruption and Anti-bribery 反貪污及反賄賂
5. Environmental Compliance Management 環境合規管理	13. Compensation and Benefits 薪酬與福利	25. Anti-unfair Competition 反不正當競爭
6. Energy Usage 能源利用	14. Occupational Health and Safety 職業健康與安全	26. Tax Compliance 稅務合規
7. Usage of Water Resources 水資源利用	15. Supply Chain Management 供應鏈管理	
8. Circular Economy 循環經濟	16. Responsible Products 負責任產品	
	17. Supporting Industry Development 助力行業發展	
	18. Research and Innovation 研發創新	
	19. Data Security & Customer Privacy 數據安全與客戶隱私保護	
	20. Community Development 社區發展	

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Step 4: Reporting and Practice Guidance

The results of the Group's materiality assessment serve as a key component of the ESG report and have been reviewed and confirmed by the Board of Directors. The relevant sections of this report provide a systematic description of the specific management measures and actions taken by the Group for each topic.

COMMUNICATIONS WITH STAKEHOLDERS

The Group has established diversified communication channels to maintain close dialogue and engagement with stakeholders, and incorporates their expectations and suggestions into the Group's sustainability governance considerations.

步驟4：分析結果指導披露與實踐

集團重要性議題評估結果作為環境、社會及管治報告的重要內容，經集團董事會審議並確認。報告相關章節將針對各議題，系統闡述集團所採取的具體管理措施與實際行動。

持份者溝通

集團建立多元化溝通管道，與持份者保持緊密溝通和交流，並將持份者的期望與建議納入集團可持續發展管治的考慮。

Stakeholders 持份者	Concerned Topics 關注議題	Communication Methods 溝通方式
Employees 員工	Equal Opportunities 平等機會 Occupational Health and Safety 職業健康與安全 Development and Training 發展與培訓	Employee Training 員工培訓 Employee Activities 員工活動 Employee Satisfaction Surveys 員工意見調查 Internal Office System Feedback 內部辦公系統反饋 Official WeChat Group 官方微信群
Clients 客戶	Responsible Products 負責任產品 Supply Chain Management 供應鏈管理 Data Security and Customer Privacy Protection 數據安全與客戶隱私保護	Customer Service Center 客戶服務中心 Customer Satisfaction Survey 客戶滿意度調查 Customer Communication Events 客戶交流活動

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Stakeholders 持份者	Concerned Topics 關注議題	Communication Methods 溝通方式
Suppliers 供應商	Anti-corruption and Anti-bribery 反貪污及反賄賂 Anti-unfair Competition 反不正當競爭 Tax Compliance 稅務合規	Online Communication and Field Visit 線上交流與實地考察 Quality Management Meeting 質量管制會議 Industry Exhibition 行業展會
Investors 投資者	Risk and Compliance Management 風險與合規管理 Anti-corruption and Anti-bribery 反貪污及反賄賂 Tax Compliance 稅務合規	Shareholders' Meetings 股東大會 Public Company Information Disclosure 上市公司信息披露 Performance Briefing 業績說明會 Investor Research 投資者調研
Banks 銀行	Research and Innovation 研發創新 Risk and Compliance Management 風險與合規管理 Tax Compliance 稅務合規	Public Company Information Disclosure 上市公司信息披露 Field Visit 實地走訪
Media Institutions 媒體機構	Climate Response 應對氣候變化 Human Rights Protection 人權保護 Supporting Industry Development 助力行業發展	Public Company Information Disclosure 上市公司信息披露 Social Media and Media Communication 社交媒體和媒體溝通 Public Opinion Monitoring 輿情監測

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Stakeholders 持份者	Concerned Topics 關注議題	Communication Methods 溝通方式
Government and Regulatory Bodies 政府及監督部門	Environmental Compliance Management 環境合規管理 Energy Usage 能源利用 Tax Compliance 稅務合規	Field Visit 實地訪問 Government Project Cooperation 政府項目合作 Regular Reporting 定期彙報 Regular Meeting and Training 定期會議培訓
Non-governmental Organizations 非政府組織	Climate Response 應對氣候變化 Pollutant Discharge 污染物排放 Human Rights Protection 人權保護	Public Company Information Disclosure 上市公司信息披露 Field Visit 實地訪問 Public Welfare Services 公益服務 Public Opinion Monitoring 輿情監測
Local Communities 當地社區	Community Development 社區發展 Usage of Water Resources 水資源利用 Pollutant Discharge 污染物排放	Public Company Information Disclosure 上市公司信息披露 Field Visit 實地訪問 Public Welfare Services 公益服務

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2025 TECHNOLOGICAL RESEARCH AND INNOVATION ACHIEVEMENTS

2025科技研發創新成果

2025 Technology Innovation Awards Received by the Group and Its Subsidiaries

2025年集團及權屬公司獲得的科技創新類榮譽

Recipient of the Award 獲評主體	Project Name 項目名稱	Awards 獎項
Shuifa Energy Engineering 水發工程	Technical Specification for Building-integrated Intelligent Photovoltaic System 建築一體化智慧光伏系統技術規程	China Award for Science and Technology in Construction – Third Prize 華夏建設科學技術獎三等獎
Shuifa Energy Engineering 水發工程	Global Leadership in PV Recycling, Empowering Renewal with Green Standards 光伏回收國際引領·綠色標準賦能更新	Top Ten Outstanding Cases of Standardization Innovation and Development in Guangdong Province 廣東省標準化創新發展十大優秀案例
Shuifa Energy Engineering 水發工程	Standardization Work 標準化工作	CSTM/FC03/TC22 Emerging Contributor Award CSTM/FC03/TC22標準新銳貢獻獎
Shuifa Energy Engineering 水發工程	2025 Evaluation of Guangdong Provincial Professional Standardization Technical Committees 2025年廣東省專業標準化技術委員會評估	Excellent Rating in the 2025 Evaluation of Guangdong Provincial Professional Standardization Technical Committees 2025年廣東省專業標準化技術委員會評估優秀
Zhuhai Singyes 珠海興業	Depth Design and Ordering Technology of Complex Curtain Wall System based on BIM Model 基於BIM模型的複雜幕牆系統深度設計與下單技術	Guangdong Provincial Typical Cases of Innovative Services for New Technologies and Products in Intelligent Construction 廣東省智慧建造新技術新產品創新服務典型案例

2025 Technological Innovation Achievements and Products Obtained by the Group and Its Subsidiaries

2025年集團及權屬公司獲得的科技創新成果、產品

Recipient of the Award 獲評主體	Product Name 產品名稱	Awards 獎項
Jiangxi Yaxing 江西亞興	Construction Method of Standardized Mold Module for Drainage Holes in Masonry Structures 砌體結構排水孔定型模組施工工法	2024 Jiangxi Provincial Engineering Construction Method 2024年江西省省級工程建設工法
Shuifa Energy Engineering 水發工程	Global Leadership in PV Recycling, Empowering Renewal with Green Standards 光伏回收國際引領·綠色標準賦能更新	2025 Top Ten Outstanding Cases of Standardization Innovation and Development in Guangdong Province 2025年廣東省標準化十大優秀案例

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2025 Evaluation of Scientific and Technological Achievements of the Group and Its Subsidiaries

2025年集團及權屬公司科技成果評價

Recipient of the Award 獲評主體	Achievement Name 成果名稱	Evaluation Result 鑒定結果
Singyes New Materials 興業新材料	Key Technology R&D and Application of High-Performance Wide-Temperature-Range Polymer Dispersed Liquid Crystal (PDLC) Dimming Film 高性能寬溫域聚合物分散液晶調光膜關鍵技術研發及應用	World Advanced 國際先進
Shuifa Energy Engineering 水發工程	Off-Grid Capable Wind-Solar-Hydrogen DC Interconnection and Stability Control Technology 可離網型風光儲氫直流互聯與穩定控制技術	Domestic Leading 國內領先
Zhuhai Singyes 珠海興業	BIM-Based Design and Procurement System for Building-Integrated Photovoltaic (BIPV) Projects 基於BIM模型的建築光伏發電項目設計與採購系統	Domestic Leading 國內領先
Zhuhai Energy-saving 珠海節能	Research and Application of High-Performance System Windows 高性能系統窗的研究與應用	Domestic Advanced 國內先進

2025 Approvals of Technology-Oriented Enterprises Obtained by the Group and Its Subsidiaries

2025年集團及權屬公司科技型企業獲批情況

Recipient of the Award 獲評主體	Project Name 項目名稱	Level 級別
Beijing Green Construction 北京綠建	High-tech Enterprise 高新技術企業	National Level 國家級
Zhuhai Singyes 珠海興業	Provincial Innovative Small and Medium-sized Enterprise 省級創新型中小企業	Provincial Level 省級
Singyes New Materials 興業新材料	Provincial Innovative Small and Medium-sized Enterprise 省級創新型中小企業	Provincial Level 省級
Zhuhai Energy-saving 珠海節能	Municipal Green Factory 市級綠色工廠	Municipal Level 市級
Shuifa Energy Engineering 水發工程	Zhuhai Intellectual Property Advantage Enterprise 珠海市知識產權優勢企業	Municipal Level 市級

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2025 CONTRIBUTIONS TO INDUSTRY DEVELOPMENT

2025助力行業發展成果

Selected Standards Formulated or Revised with the Leadership or Participation of the Group and Its Affiliated Companies in 2025

2025年集團及權屬公司主導或參與制定/修訂的部分標準

Name Of The Developed/ Revised Standard 制定/修訂的標準名稱	Standard Number 標準編號	Standard Type 類型	Participation Status 參與情況
Technical specification for photovoltaic module scrapping 光伏元件報廢技術要求	GB/T 45922-2025	National standard 國家標準	Leading 主編
Evaluation standard for application of renewable energy in buildings 可再生能源建築應用工程評價標準	GB/T 50801-2013	National standard 國家標準	Participating 參編
Organic-electrochromic laminated glass used in buildings 建築用有機電致變色夾層玻璃	GB/T 45921-2025	National standard 國家標準	Participating 參編
Smart glazing used on road vehicles – Part 1: Organic electrochromic glazing 汽車用智慧變色玻璃 第1部分：有機電致變色玻璃	GB/T 46023.1-2025	National standard 國家標準	Participating 參編
Smart glazing used on road vehicles – Part 2: Polymer dispersed liquid crystal glazing 汽車用智慧變色玻璃 第2部分：聚合物分散液晶調光玻璃	GB/T 46023.2-2025	National standard 國家標準	Participating 參編
Photovoltaic cells – Part 1: Measurement of light-induced degradation of crystalline silicon photovoltaic cells 光伏電池 第1部分：晶體矽光伏電池光致衰減試驗方法	GB/T 46984.1-2025	National standard 國家標準	Participating 參編
Performance films for glass in building 建築玻璃用功能膜	GB/T29061-2025	National standard 國家標準	Participating 參編
Technical standard for green retrofitting of existing building in Guangdong province (Original name: Technical specification for green retrofitting of existing buildings in Guangdong province) 既有建築綠色改造技術標準(原名：廣東省既有建築綠色改造技術規程)	DBJ/T15-284-2025	Provincial standard 地方標準	Participating 參編
Standard for nearly zero energy design of public buildings in hot summer and warm winter zone 夏熱冬暖地區近零能耗公共建築設計標準	T/CABEE118-2025	Group standard 團體標準	Leading 主編

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Selected Standards Formulated or Revised with the Leadership or Participation of the Group and Its Affiliated Companies in 2025 2025年集團及權屬公司主導或參與制定/修訂的部分標準

Name Of The Developed/ Revised Standard 制定/修訂的標準名稱	Standard Number 標準編號	Standard Type 類型	Participation Status 參與情況
Technical specification for roof grid-connected photovoltaic power generation system 屋面並網光伏發電系統技術規程	T/CECS 1811-2025	Group standard 團體標準	Leading 主編
Technical specifications for environmental pollution prevention and control in the recycling and utilization of decommissioned photovoltaic modulest 廢棄光伏元件回收利用環境污染防治技術規範	T/ZGZS 0101-2025	Group standard 團體標準	Participating 參編
Unitized Curtain Wall Standard Drawing Collection 單元式幕牆標準圖集	Q/SFX Y LSJZ 002-2025	Company standard 企業標準	Leading 主編
Specification for incoming inspection of aluminum profiles 鋁型材來料檢驗規程	Q/SFX Y LSJZ 001-2025	Company standard 企業標準	Leading 主編

ENVIRONMENTAL

The Group consistently integrates the concept of green development into its corporate strategy and daily operations, actively responds to the national “dual carbon” goals, and minimises the environmental impact of its own operations to the greatest extent through clean energy development, energy efficiency improvement and resource recycling, while providing low-carbon solutions to society. The Group is committed to integrating environmental management into every aspect of its daily operations. By establishing a sound management system, setting quantifiable targets and implementing innovative technical measures, it continuously reduces the environmental impact of its own operations and contributes to the global response to climate change.

環境

集團始終將綠色發展理念融入企業戰略與日常運營，積極響應國家「雙碳」目標，通過清潔能源開發、能效提升與資源循環利用，最大限度地減少自身運營對環境的影響，並為社會提供低碳解決方案。集團致力於將環境管理融入日常運營的每一個環節，通過建立完善的管理體系、設定可量化的目標、實施創新的技術措施，持續降低自身運營對環境的影響，並為應對全球氣候變化貢獻力量。

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Emissions

The Group strictly complies with applicable national and regional environmental laws and regulations, including the Environmental Protection Law of the People's Republic of China, the Law of the People's Republic of China on the Prevention and Control of Atmospheric Pollution, the Law of the People's Republic of China on the Prevention and Control of Solid Waste Pollution, and the Law of the People's Republic of China on the Prevention and Control of Water Pollution, and continuously enhances its environmental protection measures accordingly. The Group has established and continuously optimises a series of internal management policies and procedures, including the Environmental and Safety Operation Control Procedures, the Environmental Pollution Control Procedures, and the Waste Management Procedures. It has also obtained ISO 14001 certification, ensuring that its environmental management practices are standardised and systematic. The Group is committed to reducing emissions at source by promoting the use of clean energy, improving energy efficiency, and advocating green office practices, thereby contributing to environmental protection and supporting the transition to a low-carbon economy.

Exhaust Gas Emissions

The Group strictly complies with relevant laws and regulations and continuously monitors exhaust gas emissions, including nitrogen oxides (NO_x), sulphur dioxide (SO₂) and particulate matter (PM), to ensure that emission concentrations meet national standards. The Group's exhaust gas emissions mainly arise from the petrol and diesel consumed by company vehicles. To effectively control and reduce exhaust gas emissions, the Group has adopted the following integrated management measures:

- **Strict vehicle management:** ensuring that all vehicles in use comply with the exhaust emission standards formulated by cities such as Zhuhai, and undergo regular inspection, repair and maintenance to keep them in optimal operating condition.
- **Optimisation of transport methods:** advocating green travel, introducing electric commuter shuttle buses to gradually replace conventional fuel vehicles, and reducing pollutant emissions at source. At the same time, the Group reduces unnecessary mileage by optimising shuttle routes and service frequency.

排放物

集團嚴格遵守《中華人民共和國環境保護法》《中華人民共和國大氣污染防治法》《中華人民共和國固體廢物污染環境防治法》及《中華人民共和國水污染防治法》等國家和地區環境保護法律法規，並以此為依據加強集團的環境保護措施。集團已建立並持續優化《環安運行控制程序》《環境污染控制程序》《廢棄物管理規範》等一系列內部管理制度，並獲得ISO 14001環境管理體系認證，確保環境管理工作規範化、系統化。集團致力於從源頭減少排放，通過推廣清潔能源應用、提升能源效率以及宣導綠色辦公，以實際行動呵護藍天，引領低碳經濟發展。

廢氣排放

集團嚴格遵循相關法律法規，持續監測氮氧化物(NO_x)、二氧化硫(SO₂)、顆粒物(PM)等廢氣排放，保障排放物濃度符合國家標準。集團的廢氣排放主要源自公務車輛所消耗的汽油及柴油，為有效控制並降低廢氣排放，集團採取了以下綜合管理措施：

- **嚴格車輛管理：**確保所有在用車輛符合珠海市等城市制定的廢氣排放標準，並定期進行檢修與維護，保障車輛處於最佳運行狀態。
- **優化運輸方式：**宣導綠色出行，引入電動通勤班車，逐步替代傳統燃油車輛，從源頭減少污染物排放。同時，通過優化班車路線和頻次，減少不必要的行駛里程。

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- **Promotion of energy-saving driving:** formulating and promoting energy-saving driving guidelines, requiring drivers to comply with traffic rules, and eliminating energy-wasting practices such as engine idling.

Wastewater Discharge

The Group complies with relevant regulations, including the Water Pollution Prevention and Control Law of the People's Republic of China, and exercises strict control over production wastewater and domestic sewage generated during operations. The Group does not generate a large volume of sewage in the production process, while domestic wastewater is conveyed through the municipal sewer network to regional water purification plants for treatment. Therefore, the Group's water consumption is equivalent to its wastewater discharge volume. The Group strictly follows the principle of separating rainwater from sewage, and strictly prohibits the placement of pollutants such as chemicals and oil products at stormwater drainage outlets, so as to ensure that rainwater can be discharged directly and safely.

Waste Management

In accordance with internal systems such as Environmental and Safety Operation Control Procedures, Solid Waste Management Plan and Waste Management Regulations, the Group implements whole-process management of the classification, collection, storage and disposal of waste generated from all operational activities, and is committed to achieving waste reduction, resource recovery and harmless treatment.

Hazardous Waste

For hazardous waste generated during production and operations, such as waste engine oil, spent batteries and spent mercury-containing fluorescent tubes, the Group strictly classifies, labels and places such waste in sealed storage in accordance with the National Hazardous Waste List, and strictly implements Dangerous Chemicals Management and Control Procedures to exercise whole-process control over the procurement, storage, use and disposal of hazardous chemicals. The Group has established on-site project departments to collect hazardous waste, which is stored in designated anti-leakage areas and regularly handed over to qualified third-party institutions for compliant disposal, so as to ensure full traceability and compliant treatment throughout the process, prevent harm to the environment and employees, and eliminate environmental pollution risks.

- **推行節能駕駛：**制定並宣貫節能駕駛規範，要求駕駛員遵守交通規則，杜絕發動機空轉等能源浪費行為。

污水排放

集團遵守《中華人民共和國水污染防治法》等相關規定，對運營中產生的生產廢水和生活污水進行嚴格管理。集團在生產過程中並未產生大量污水，而生活廢水會經市政污水管網送往區域水質淨化廠處理，因此集團的用水量即為廢水排放量。集團嚴格遵守雨污分流原則，嚴禁在雨水管網口放置化學品、油品等污染物，確保雨水直接安全外排。

廢棄物管理

集團依據《環安運行控制程序》《固體廢棄物管理方案》及《廢棄物管理規範》等內部制度，對所有運營活動中產生的廢棄物實施分類、收集、儲存和處置的全過程管理，致力於實現廢棄物的減量化、資源化和無害化。

有害廢棄物

對生產運營中產生的廢機油、廢蓄電池、廢含汞螢光燈管等有害廢棄物，集團嚴格依據國家《危險廢物名錄》進行分類、標識、密封儲存，嚴格執行《化學危險品管理控制程序》，對危險化學品的採購、儲存、使用和廢棄進行全流程管控。集團設置現場項目部負責收集害廢棄物，並儲存於專門的防滲漏區域，定期交由具備相應資質的第三方機構進行合規處置，確保全過程可追溯、合規化處理，嚴防對環境和員工造成危害，杜絕環境污染風險。

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Non-hazardous Waste

The Group manages non-hazardous waste in accordance with the principles of waste reduction and resource recovery. It fully implements waste sorting for non-hazardous waste such as office and domestic waste and general packaging materials. Sorting and recycling facilities are installed in office premises to guide employees in developing waste-sorting habits. Recyclable materials, such as waste paper and plastic bottles, are recycled in cooperation with recycling enterprises, while other domestic waste is collected and handled by the municipal sanitation system. In addition, the Group vigorously promotes paperless office practices by using the OA system to digitise internal approval procedures, encourages double-sided printing, and provides collection boxes for single-sided waste paper. On the production side, the Group reduces waste generation by optimising processes, improving material utilisation rates and reducing offcuts and scrap.

Use of Resources

As an advocate and practitioner of clean energy, the Group not only promotes the green transformation of the energy structure through its business operations, but also leads by example in its daily operations by improving the efficiency of energy, water and material use through refined management and technological innovation. The Group has formulated Energy and Resource Conservation Management and Control Procedures, Resource Energy Control Procedures to systematically monitor and manage the consumption of various resources.

無害廢棄物

集團遵循「減量化、資源化」原則管理無害廢棄物，對辦公生活垃圾、一般包裝物等無害廢棄物，全面推行垃圾分類。在辦公場所設置分類回收設施，引導員工養成分類習慣。對於可回收物（如廢紙、塑膠瓶），與回收企業合作進行資源化利用；對於其他生活垃圾，交由市政環衛系統統一清運處理。此外，集團大力推行無紙化辦公，利用OA系統實現內部審批流程電子化；鼓勵雙面列印，設置單面廢紙回收箱。在生產端，通過優化工藝，提高材料利用率，減少邊角料產生，以實現廢棄物減量化。

資源使用

作為清潔能源的宣導者和實踐者，集團不僅在業務上推動能源結構的綠色轉型，更在日常運營中身體力行，通過精細化管理和技術創新，提升能源、水及物料等資源的使用效率。集團制定了《能源、資源節約管理控制程序》《資源能源控制程序》，對各類資源消耗進行系統監控與管理。

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Energy Management

The Group has formulated and implemented relevant management systems for energy conservation and consumption reduction, and has incorporated energy efficiency into its operational assessment framework. The Group requires each business unit and production base to regularly analyse energy use and identify energy-saving potential. The Group's main energy sources are purchased electricity as well as petrol and diesel consumed by company vehicles. Through a combination of technological innovation and management measures, the Group is committed to improving energy efficiency in the following ways:

- **Development of clean energy:** The Group's core business is the development and provision of clean energy. The Group actively expands the installed capacity of renewable energy such as photovoltaic and wind power, optimises its own energy mix, and installs distributed photovoltaic systems on the rooftops of eligible office premises and plants to increase the proportion of clean energy used.
- **Smart operation and management:** The Group promotes intelligent operation and maintenance systems at its owned new energy power stations, optimises operating strategies through big data analysis, improves power generation efficiency, and reduces power consumption for station operations.
- **Fostering an energy-saving culture:** The Group has established stringent electricity management rules, requiring employees to switch off lights when leaving and turn off office equipment at the end of the working day. The administrative logistics department is responsible for supervision and inspection, and non-compliance is reported. Through platforms such as bulletin boards and official social media accounts, the Group widely promotes knowledge of energy conservation, fosters a strong energy-saving culture, and embeds energy-saving awareness and translates it into action.

能源管理

集團制定並執行節能降耗的相關管理制度，將能源效率納入運營考核範疇。集團要求各業務單元及生產基地定期分析能源使用情況，識別節能潛力。集團的主要能源消耗為外購電力以及公務車輛消耗的汽油和柴油。集團通過技術創新與制度管理雙管齊下，致力於提升能源效率：

- **發展清潔能源：**集團的核心業務是開發和提供清潔能源。集團積極擴大光伏、風電等可再生能源的裝機規模，優化自身用能結構，並在條件允許的辦公場所和廠房屋頂建設分散式光伏，提高清潔能源使用比例。
- **智慧運營與管理：**在持有的新能源電站推廣智慧運維系統，通過大數據分析優化運行策略，提升發電效率，減少自身場站用電損耗。
- **培育節能文化：**集團制定了嚴格的用電管理制度，要求員工做到人走燈滅、下班關閉辦公設備電源，並由行政後勤部門進行監督檢查，對違規行為進行通報。通過宣傳欄、公眾號等平台廣泛宣傳節能知識，營造濃厚的節能氛圍，將節能意識內化於心、外化於行。

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Highlight: Energy-saving Technical Upgrades to Reduce Energy Consumption

In 2025, Zhuhai New Materials carried out major technical upgrades, including energy-saving retrofits to the cooling tower system, intelligent upgrades to the three-level power distribution system, and retrofits to the constant-temperature and constant-humidity air handling unit system, thereby improving energy efficiency. Among these measures, the retrofitted constant-temperature and constant-humidity air handling unit system is expected to save approximately 775,000 kWh of electricity annually and reduce electricity costs by more than CNY500,000. In addition, in 2025, Zhuhai Energy-saving made it a key priority to advance digital and intelligent energy-saving upgrades for material transfer in the curtain wall manufacturing workshop. By focusing on the entire material transfer process, introducing energy-saving intelligent equipment and optimising transfer procedures, it sought to achieve multiple objectives, including cost reduction, energy conservation, efficiency enhancement and risk control.

Water Management

The Group's water consumption is mainly sourced from municipal water supplies and is used for daily office operations and employees' daily needs. The Group is committed to saving every drop of water and integrating water conservation into building design and daily operations.

- **Water-saving facilities:** The Group's research and development building adopts water-saving sanitary appliances that meet the national Class I standard, thereby improving water-use efficiency through its facilities. At the same time, rainwater is regulated and stored through wet ponds, which not only enhance the surrounding environment but also serve a sponge-like function during heavy rainfall, enabling the ecological recycling and utilisation of water resources.
- **Water-saving culture:** The Group continues to expand the reach of its water-saving awareness campaigns, instils the concept of water conservation in all employees, continuously strengthens employees' awareness of water conservation, and eliminates the wasteful practice of leaving taps running. Meanwhile, it has established a maintenance reporting mechanism to ensure that leakage from pipes, taps and other facilities can be identified and rectified in a timely manner.

案例：節能技改實現能耗降低

2025年，珠海新材料實施了冷卻塔系統節能改造、三級配電系統智能化升級、恒溫恒濕風櫃系統改造等重點技術改造，提升了能源效率。其中，恒溫恒濕風櫃系統通過改造，全年預計節電約77.5萬度，節約電費超過50萬元。此外，珠海節能2025年重點推進幕牆製造車間物料轉運數智化節能技改，聚焦物料轉運全流程，通過引入節能智慧設備、優化轉運流程，實現降本、節能、提效、控險多重目標。

水資源管理

集團用水主要來自市政供水，用於日常辦公和員工生活。集團致力於節約每一滴水，將節水理念貫穿於建築設計及日常運營中。

- **節水設施：**集團研發大樓採用符合國家一級標準的節水型衛浴器具，從硬件上提升用水效率。同時，通過濕塘方式調蓄雨水，既美化了環境，又在暴雨時發揮了海綿作用，實現了水資源的生態循環利用。
- **節水文化：**集團持續擴大節水宣傳的影響力，將節水理念深植於每一位員工心中，持續強化員工的節水意識，杜絕「長流水」現象。同時，建立報修機制，確保水管、龍頭等設施的滴漏問題能夠得到及時發現和修復。

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Use of Packaging Materials

The Group is committed to putting green principles into practice in product packaging and continuously reducing resource consumption and environmental impacts arising from packaging through institutionalised management and source reduction. The Group adheres to the principles of streamlined and simplified packaging. Pursuant to Material Coding Management Measures of Shuifa Group Co., Ltd., it has established a unified material coding and classification management system and has also formulated relevant systems governing the efficient use of raw materials and packaging materials. In addition, for paper-based packaging, the Group follows the principle of minimisation and actively reduces the use of packaging materials while meeting the basic requirements for product protection and transport safety.

The Environment and Natural Resources

The Group pays close attention to the impacts of its business activities on the environment and natural resources and is committed to implementing best practices in environmental management. By complying with applicable environmental laws, regulations and relevant international standards, the Group adopts appropriate measures to protect the natural environment and incorporates environmental protection requirements into its internal management and daily operations, thereby advancing its environmental sustainability goals.

Green Building

In addition to promoting the application of solar technology, the Group also strengthens the management of green buildings in order to enhance the sustainability standards of buildings. From the perspectives of material selection and environmental impact, the Group formulates relevant standards to reduce resource waste, lower resource consumption in the production of raw materials for photovoltaic modules, and minimise secondary pollution to the environment as far as possible. Fossil fuels such as coal and oil are non-renewable resources, and their combustion for power generation produces carbon dioxide and other greenhouse gases, as well as related waste. By contrast, solar energy, as a renewable energy source, is widely available and clean in nature, which helps reduce greenhouse gas emissions. The Group therefore continues to promote the development of solar technology.

包裝材料使用

集團致力於在產品包裝環節踐行綠色理念，通過制度化管理與源頭減量，持續降低包裝環節的資源消耗與環境影響。集團堅持「精簡」與「簡約」的包裝原則，通過《水發集團有限公司物料編碼管理辦法》，建立了物料統一編碼及分類管理體系，亦制定了管理原材料和包裝材料利用效率的相關制度。此外，對於紙質類包裝，集團以最簡化為原則，在滿足產品保護與運輸安全的基本需求下，積極減少包裝物料的使用。

環境及天然資源

集團高度關注自身業務活動對環境及天然資源的影響，致力踐行環境管理最佳實踐。在遵守適用的環境相關法律法規及相關國際準則的基礎上，採取相關措施保護自然環境，並將環境保護要求納入內部管理與日常營運，推動實現環境可持續目標。

綠色建築

除推廣太陽能技術應用外，集團亦加強對綠色建築的管理，以提升建築物可持續性標準。集團從材料選擇及環境影響等維度出發，通過制定相關標準，推動減少資源浪費，降低光伏元件原材料生產過程中的資源消耗，並儘量減少對環境造成二次污染。煤炭、石油等化石燃料屬於不可再生資源，其燃燒發電過程會產生二氧化碳等溫室氣體及相關廢棄物；相較之下，太陽能作為可再生能源，具有資源可得性強及清潔屬性等特点，有助於減少溫室氣體排放。集團因此持續推動太陽能技術發展。

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Taking into account the need for coordination between building appearance and the surrounding environment in urban application scenarios, the Group actively develops Building-Integrated Photovoltaics (BIPV) technology, integrating photovoltaic components into building systems as building materials. The application of BIPV must be incorporated into the overall building design. It is not a simple addition of photovoltaic components to buildings, but rather an integrated approach that takes into account building functions, structure and usage requirements, thereby forming corresponding architectural design and energy-saving solutions. While integrating building appearance with functionality, BIPV can also provide shading, thermal insulation, energy-saving and environmental protection benefits, thereby reducing internal building energy consumption.

The Group also advocates the concept of green building, namely land conservation, water conservation, energy conservation and material conservation, and follows the principle of “Passive Priority, Active Optimisation”. With the goal of achieving “Ultra-low Energy Consumption”, the Group promotes the development of low-carbon and energy-saving buildings through sound planning and design at the initial stage and effective control and management at the later stage, based on high-performance envelope structures featuring high visible light transmittance and low shading coefficients, together with various ventilation technologies, photovoltaic power generation technologies integrating external shading and ventilation, and intelligent building control systems.

Zhuhai Singyes Green Building Technology Co., Ltd., a subsidiary of the Group, is a member of the Chinese Enterprise Committee of the Consortium for Building Energy Efficiency under the U.S.-China Clean Energy Research Center (CERC-BEE). The Group continues to participate in activities organised by the consortium and, leveraging the consortium platform, carries out joint technological research and development, application and promotion with other member entities.

考慮到城市應用場景對建築外觀與周邊環境協調的要求，集團積極發展光伏建築一體化 (BIPV) 技術，將光伏元件作為建築材料融入建築體系。BIPV 的應用需納入建築整體設計，並非將光伏元件與建築進行簡單疊加，而是綜合考慮建築功能、結構與使用需求，形成相應的建築設計與節能方法。BIPV 在實現建築外觀與功能融合的同時，可發揮遮陽保溫與節能環保作用，降低建築物內部能耗。

集團亦宣導綠色建築理念，即節地、節水、節能及節材，並遵循「被動優先，主動優化」的原則，以「超低能耗」為目標，通過前期合理規劃設計與後期有效控制管理，形成以高性能維護結構（高可見光透射比、低遮陽係數）為基礎，配合多種通風技術、外遮陽與通風協同的光伏發電技術，以及建築智慧控制系統等，推動低碳節能建築落地。

集團權屬公司珠海綠色建築科技有限集團為中美清潔能源聯合研究中心建築節能聯盟 (CERC-BEE) 中方企業委員會成員單位。集團持續參與聯盟組織的各項活動，並依託聯盟平台與成員單位開展聯合技術研發、應用及推廣工作。

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Highlight: Green Factory Certification

In terms of green manufacturing, during the Reporting Period, Zhuhai New Materials obtained Zhuhai Green Factory certification and Guangdong Green Factory certification, and actively applied for national-level Green Factory certification; Zhuhai Energy-saving obtained Zhuhai Green Factory certification. The Group will continue to promote energy-saving upgrades and the development of green manufacturing systems, improve resource-use efficiency, and support green and low-carbon development goals.

Noise Management

The Group recognises that noise may arise during operations, with the main noise sources being air compressors, production equipment and vehicles. Accordingly, the Group's Environmental and Safety Operation Control Procedures include a section on noise control and management, under which the following noise control measures are implemented:

- Soundproof enclosures are installed for air compressors to reduce noise impacts;
- All vehicle mufflers and horns of the Group must comply with national regulatory requirements;
- The Group strengthens the management and maintenance of its vehicles to keep them in good technical condition and prevent environmental noise pollution; and
- When operating within urban areas, Group vehicles must use audible signalling devices in accordance with relevant requirements.

案例：綠色工廠認證

在綠色製造方面，珠海新材料於報告期內先後通過珠海市綠色工廠和廣東省綠色工廠認證，並已積極申報國家級綠色工廠；珠海節能通過珠海市綠色工廠認證。集團將持續推動節能改造與綠色製造體系建設，提升資源使用效率，以支援綠色低碳發展目標。

噪音管理

集團意識到在營運過程中可能產生噪音，主要噪音源為空壓機、生產設備和車輛。因此，集團的《環安運行控制程序》設有噪音控制和管理章節，並落實以下噪音管制措施：

- 空壓機修建空壓機隔音房，以降低噪音影響；
- 所有集團車輛消聲器和喇叭必須符合國家的規定要求；
- 加強對集團車輛的管理和保養，保持技術性能良好，防止環境噪音污染；及
- 集團車輛在城市區範圍內時，必須按照規定使用聲響裝置。

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Climate Change

The risks and challenges brought by climate change to the global economy continue to intensify and may also adversely affect the Group's business operations, asset safety and operational continuity. The Group places importance on identifying and mitigating material impacts that may arise from climate change, and carries out relevant management work with reference to IFRS S1 General Requirements for Disclosure of Sustainability-related Financial Information and IFRS S2 Climate-related Disclosures. Following management assessment, the Group has identified physical risks and transition risks that may affect its business and has incorporated climate risks into its enterprise risk management process. Through relevant policies and procedures, it manages and reviews climate-related risks while capturing related opportunities.

Climate Governance

The Group incorporates the identification, assessment and response to climate-related risks and opportunities into its Environmental, Social and Governance arrangements, with the Board assuming overall oversight and the ESG Working Group serving as the coordinating body for implementation. The Board discusses ESG matters at least once a year, sets relevant strategies and targets, reviews the assessment and management of material ESG issues, and examines business arrangements in light of progress towards those targets, adjusting business policies where necessary to ensure the effectiveness of risk management and internal control mechanisms.

The ESG Working Group is composed of core members from different departments and is responsible for driving the implementation of climate-related work, including organising data collection and analysis, tracking progress in targets and measures, reviewing the effectiveness of relevant systems and procedures, and coordinating the consolidation of internal information for the preparation of disclosure documents. Where necessary, external consultants are engaged to support materiality assessment and report preparation. The Working Group convenes meetings at least once a year and reports to the Board at least annually. In response to physical risks, the Group carries out flood-season risk prevention in accordance with relevant work safety systems, supported by emergency response plans, while also improving project site selection and design standards, insurance arrangements and emergency response mechanisms, so as to reduce the potential impact of extreme weather events on operational continuity and asset safety.

氣候變化

氣候變化為全球經濟帶來的風險和挑戰持續加劇，亦可能對集團的業務經營、資產安全及營運連續性帶來不利影響。集團重視識別與減輕氣候變化可能引致的重大影響，並參考IFRS S1、S2準則開展相關管理工作。經管理層評估，集團已識別出對業務具有影響的實體風險與轉型風險，並將氣候風險納入企業風險管理流程，通過相關政策及程序對氣候相關風險進行管理與審查，並把握相關機遇。

氣候治理

集團將氣候相關風險與機遇的識別、評估與應對納入環境、社會及管治安排，由董事會負責總體監督，並以環境、社會及管治工作小組作為統籌執行平台。董事會至少每年一次討論環境、社會及管治事宜，設定相關策略與目標，檢視重大議題評估及管理，並就目標進展審視業務安排，必要時調整業務方針，以確保風險管控與內部控制機制的有效性。

環境、社會及管治工作小組由不同部門核心成員組成，負責推動氣候相關工作落地，包括組織數據收集與分析、跟蹤目標與措施進展、檢討相關制度與程序有效性，並在編制披露檔時統籌內部信息匯總，必要時聘請外部顧問支持重要性評估與報告編制；工作小組至少每年召開會議並至少每年一次向董事會彙報。在實體風險應對方面，集團按安全生產相關制度開展汛期風險預防並配套應急預案，同時結合項目選址與設計標準完善、保險安排及應急響應機制等措施，降低極端天氣事件對營運連續性與資產安全的潛在影響。

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Climate Strategy

The Group has deeply integrated the goals of carbon peaking and carbon neutrality into its medium- to long-term development strategy. During the 15th Five-Year Plan period, the Group will closely align itself with industry trends and the national “dual carbon” goals, focus on its core responsibilities and principal business lines, consolidate its experience in the development and investment in, and construction and operation of, projects such as photovoltaic and wind power, actively foster new business models such as integrated energy management, virtual power plants and green low-carbon industrial parks, and promote the transformation and upgrading of related businesses from “product-based” to “service-based” offerings. The Group will strengthen its strategic deployment and resource acquisition, and make sound arrangements for large base projects and new-type energy storage projects such as pumped-storage and integrated wind-photovoltaic-thermal-storage projects. Leveraging the synergies among the parent group, the listed group and overseas platforms, and in line with the growing global demand for sustainable energy, the Group will advance overseas market development and promote coordinated development between traditional businesses and innovative business models, between independent development and engineering project contracting, between improving the quality and efficiency of existing businesses and strengthening incremental businesses, and between multi-regional domestic deployment and expansion into key overseas markets.

- **Near-term targets:** achieve a peak in total carbon emissions before 2030; by 2035, reduce total carbon emissions by at least 10% from the 2030 peak level and increase the share of clean energy in total energy consumption to above 30%.
- **Long-term target and net-zero commitment:** achieve net-zero carbon emissions across the full value chain (Scope 1, Scope 2 and Scope 3) by 2060.

氣候戰略

集團已將碳達峰、碳中和目標深度融入中長期發展戰略。在「十五五」期間，集團緊扣行業趨勢與國家「雙碳」目標，聚焦主責主業，鞏固光伏、風電等項目開發投資、建設運營經驗，積極培育綜合能源管理、虛擬電廠、綠色低碳園區等新業態，推進相關業務由「商品化」向「服務化」轉型升級。集團強化戰略佈局與資源獲取，合理佈局大基地項目、抽水蓄能、風光火儲一體化等新型儲能項目。集團統籌母集團、上市集團及境外平台的協同優勢，結合全球對可持續能源需求增長趨勢，推進境外市場開拓，促進傳統業務與創新業態、自主開發與工程業務承攬、存量提質增效與增量做優做强、境內多區域佈局與海外重點市場開拓的協同發展。

- **近期目標：**2030年前碳排放總量達到峰值；2035年碳排放總量較2030年峰值降低至少10%，清潔能源占能源消費總量比重提升至30%以上。
- **長期目標與淨零承諾：**2060年實現全價值鏈（範圍一、範圍二、範圍三）淨零碳排放。

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The Group adheres to the philosophy of green and low-carbon development, with its development focus on the development and construction, operation and management, and electricity trading of the integrated clean energy industry, while advancing in coordination with green building solutions and the research, development and intelligent manufacturing of new materials. Leveraging its background within the Shandong State-owned Assets Supervision and Administration Commission system and its dual-core regional layout in Guangdong and Shandong, the Group holds a Class I qualification for general contracting in electric power construction, is deeply involved in national pilot projects for carbon peaking, and operates across key areas including new energy and green buildings.

Management of Climate-related Impacts, Risks and Opportunities

To systematically assess the potential impacts of climate change on the Group's operations, the Group takes into account its business characteristics and identifies and assesses the transition risks and opportunities it may face in the short, medium and long term with reference to the scenario models of the International Energy Agency (IEA). It also identifies and assesses physical risks in the short, medium and long term with reference to scenario models developed by the Intergovernmental Panel on Climate Change (IPCC). On this basis, the Group formulates corresponding risk management strategies and response measures, and continuously enhances its resilience to climate change and its sustainable development capabilities.

集團堅持綠色低碳發展理念，發展主線聚焦綜合性清潔能源產業開發建設、運營管理與電力交易，並與綠色建築方案解決、新型材料研發智造協同推進。集團依託山東國資委背景及廣東、山東雙核心區域佈局，具備電力施工總包壹級資質，深度參與國家碳達峰試點建設，業務覆蓋新能源、綠色建築等重點方向。

氣候相關影響、風險及機遇管理

為系統評估氣候變化可能對集團營運帶來的影響，集團結合自身業務特點，參考國際能源署(IEA)的情景模型，對短期、中期及長期可能面臨的轉型風險與機遇進行識別與評估；並參考聯合國政府間氣候變化專門委員會(IPCC)提出的情景模型，對短期、中期及長期的物理風險進行識別與評估。集團據此制定相應的風險管理策略與應對措施，持續提升集團應對氣候變化的韌性及可持續發展能力。

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Transition Risks

The Group has selected the Net Zero Emissions Scenario (NZE) from the scenario models of the International Energy Agency (IEA) to analyse transition risks. This scenario assumes that the world will achieve net-zero emissions around 2050, with the rise in global average temperature limited to no more than 1.5°C above pre-industrial levels. Under this scenario, the global population is expected to grow to approximately 9.7 billion, with the growth rate slowing; the global economy is expected to grow at an average annual rate of approximately 2.6%, although growth performance will vary across countries, regions and different periods. As policies become more stringent and technologies advance, high-carbon fossil fuels, including coal, will be gradually phased out, and energy efficiency will improve significantly; by 2050, nearly 70% of total global electricity generation is expected to come from solar photovoltaic and wind power. The scenario also assumes stronger global collaboration to promote policy development, reduce the cost of clean energy technologies, expand diversified supplies of critical minerals and clean energy technologies, and build more resilient global supply chains. Under these assumptions, the Group will face more stringent regulatory requirements and higher transition risks.

轉型風險

集團選取國際能源署(IEA)情景模型中的淨零排放情景(NZE)開展轉型風險分析。該情景假設全球於2050年前後實現淨零排放，全球平均氣溫升幅控制在較工業化前不超過1.5°C。在該情景下，全球人口預計增長至約97億且增速趨緩；全球經濟預計以年均約2.6%的速度增長，但不同國家、地區及不同時段的增長表現存在差異。隨著政策趨嚴與技術進步，高碳排放的化石燃料（包括煤炭）將逐步退出，能源利用效率顯著提升；至2050年，全球發電總量中接近70%來自太陽能光伏與風能。該情景亦假設全球加強協作，推動政策發展，降低清潔能源技術成本，擴大關鍵礦產與清潔能源技術的多樣性供給，並構建韌性更強的全球供應鏈。在上述假設下，集團將面對更嚴格的政策監管要求與更高的轉型風險。

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Risk Type 風險類型	Risk Description 風險描述	Response Measures 應對措施	Time Horizon ¹ 影響期限 ¹	Scope of Impact 影響範圍
Policy and Legal Risks 政策與法律風險	- As the national carbon market and market-oriented reforms in the power sector continue to deepen, together with updates across various regions to requirements on new energy grid connection and consumption, trading rules and information disclosure, the Group may face phased increases in costs associated with project development approvals, grid connection and consumption arrangements, transaction execution and compliance-related disclosures, which may in turn affect the stability of returns and the pace of investment recovery for certain projects. - 全國碳市場與電力市場化改革持續深化，疊加各地新能源並網消納、交易規則與信息披露要求的更新，可能引發集團項目開發審批、並網消納、交易執行與合規披露成本的階段性上升，進而影響部分項目收益穩定性與投資回收節奏。	- The Group has established a policy scanning and benchmarking analysis mechanism, incorporates key policy changes into scenario analysis and risk assessment, and classifies and manages them according to their likelihood and the extent of their financial or strategic impact. High-priority matters are included in the annual investment strategy and project review checklist, with checkpoints set at pre-investment due diligence, investment decision-making and post-investment management to ensure timely responses to changes in compliance requirements and trading rules. - 集團建立政策掃描與對標分析機制，將關鍵政策變化納入情景分析與風險評估，按可能性與財務或戰略影響程度進行分級管理，並把高優先順序事項納入年度投資策略與項目評審清單，在投前盡調、投中決策與投後管理設置檢查點，確保合規要求與交易規則變化得到及時響應。	Short-term 短期 Medium-term 中期 Long-term 長期	Upstream 上游 Corporate Operations 企業運營 Downstream 下游

¹ Time horizons are divided into short-term, medium-term and long-term. Short-term generally refers to within one year (inclusive), medium-term generally refers to one to five years (inclusive), and long-term generally refers to more than five years.

¹ 影響期限分為短期、中期和長期。短期一般是指1年以內(含1年)，中期一般是指1年至5年(含5年)；長期一般是指5年以上。

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Risk Type 風險類型	Risk Description 風險描述	Response Measures 應對措施	Time Horizon ¹ 影響期限 ¹	Scope of Impact 影響範圍
Technology Risks 技術風險	Photovoltaic cell technologies are evolving rapidly. If the Group fails to keep pace with mainstream technology trajectories in the research and development of BIPV components and system integration, the competitiveness of its green building and EPC businesses may be significantly weakened. 光伏電池技術更新反覆運算快，若集團在BIPV組件研發和系統集成上未能跟上主流技術路線，其綠色建築和EPC業務的競爭力將大幅削弱。	The Group establishes joint laboratories with universities or research institutions, focuses on the research and development of, and builds reserves in, frontier technologies, and actively participates in industry forums to keep abreast of industry technology development trends. 集團與高校或科研機構成立聯合實驗室，重點研發與儲備前沿技術，並積極參與行業論壇，關注行業技術發展方向。	Medium-term 中期 Long-term 長期	Corporate Operations 企業運營 Downstream 下游
Market Risks 市場風險	Against the backdrop of the continued evolution of electricity pricing mechanisms, spot and medium- to long-term trading rules, and cross-provincial and cross-regional power consumption arrangements, realised tariffs and settlement outcomes for power stations may fluctuate. At the same time, intensified industry competition may affect the quality of project acquisition and the gross profit margins of EPC orders, thereby squeezing the Group's profit margins. 在電價機制、現貨與中長期交易規則、跨省跨區消納安排持續演進的背景下，電站側電價與結算結果可能波動，同時行業競爭加劇可能影響項目獲取質量與EPC訂單毛利水準，擠壓集團利潤空間。	The Group continuously optimises its asset portfolio and regional layout, raises screening standards for project development, strengthens operational management capabilities, enhances electricity trading capabilities and power forecasting management, and develops an operating strategy oriented towards synergy between electricity trading and carbon assets, thereby enhancing the stability of returns and risk-hedging capabilities. 集團持續優化資產組合與區域佈局，提升項目開發篩選標準與運營管理能力，強化電力交易能力建設與功率預測管理，形成以電力交易與碳資產協同為導向的運營策略，提升收益穩定性與風險對沖能力。	Short-term 短期 Medium-term 中期	Corporate Operations 企業運營 Downstream 下游

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Risk Type 風險類型	Risk Description 風險描述	Response Measures 應對措施	Time Horizon ¹ 影響期限 ¹	Scope of Impact 影響範圍
Reputational Risks 聲譽風險	Regulators, capital markets and customers are paying increasing attention to the consistency of climate-related disclosures, project compliance and green credentials. If the Group falls short in areas such as the calibre of climate information disclosure, project compliance management, engineering quality or operational safety, it may affect partners' trust and external evaluations, thereby adversely affecting financing conditions and project expansion. 監管機構、資本市場與客戶對氣候相關披露一致性、項目合規與綠色屬性的關注提升。若集團在氣候信息披露口徑、項目合規管理、工程質量與運營安全方面出現偏差，可能影響合作方信任與外部評價，進而對融資條件與項目拓展產生不利影響。	The Group standardises the calibre of climate information disclosure and internal review procedures, strengthens pre-investment compliance review and post-investment operational management for major projects, improves supporting documentation and record-keeping for key disclosure indicators, and continuously enhances disclosure quality and management effectiveness through annual assessments, thereby reducing the risks of information inconsistency and misinterpretation. 集團統一氣候信息披露口徑與內部覆核流程，強化重大項目投前合規審查與投後運行管理，完善關鍵披露指標的支撐材料與留痕管理，結合年度評估持續改進披露質量與管理有效性，降低信息不一致與誤讀風險。	Medium-term 中期 Long-term 長期	Corporate Operations 企業運營 Downstream 下游

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Transition Opportunities

轉型機遇

Opportunity Type 機遇類型	Opportunity Description 機遇描述	Actions 行動措施	Time Horizon ² 影響期限 ²	Scope of Impact 影響範圍
Resource Efficiency 資源效率	- After clean energy fully enters the era of market-based electricity pricing, the shift in power station management from operation and maintenance to full operational management, together with improved power forecasting and trading capabilities, will help reduce unit management costs and improve operational quality. 清潔能源全面進入市場化電價時代後，電站管理由運維向運營轉變、提升功率預測與交易能力，有助於降低單位管理成本並提升運營質量。 - Improving project execution efficiency through centralised procurement and refined management will help shorten capital lock-up periods and improve operating cash flow performance. 通過集中採購與精細化管理提升項目執行效率，縮短資金佔用週期，改善經營性現金流表現。	- The Group advances the development of a digital platform for clean energy and enhances refined operational management in areas such as power forecasting, transaction execution and asset operation data governance. 推進清潔能源數字化平台建設，圍繞功率預測、交易執行、資產運營數據治理等環節提升運營精細化水準。 - The Group improves its centralised procurement and supply chain management mechanisms, strengthens the coordinated management of key equipment and subcontracting resources, and enhances project delivery and cost control capabilities. 完善集中採購與供應鏈管理機制，強化關鍵設備與分包資源統籌，提升項目履約與成本管控能力。	Short-term 短期 Medium-term 中期	Upstream 上游 Corporate Operations 企業運營

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Energy Sources 能源來源	- Against the backdrop of the national “dual carbon” goals and the transformation of the energy structure, demand for the investment, development, construction and operation of low-emission energy sources such as photovoltaic and wind power continues to grow, creating incremental opportunities for the Group's owned power stations and clean energy EPC business. 在國家「雙碳」目標與能源結構轉型背景下，光伏與風電等低排放能源投資、開發、建設與運營需求持續增長，為集團自持電站與清潔能源EPC業務帶來增量機會。 - An increase in the share of low-emission energy and the improvement of policy incentive mechanisms will help the Group expand the scale of its clean energy assets and enhance capital market appetite for allocating capital to low-emission businesses. 低排放能源佔比提升與政策激勵機制完善，有助於集團擴大清潔能源資產規模，並增強資本市場對低排放業務的配置偏好。	- The Group continues to consolidate its capabilities in the investment, development, construction and operation of photovoltaic and wind power projects, selectively expands its clean energy EPC business, and enhances its project acquisition and delivery capabilities. 持續鞏固光伏、風電項目開發投資、建設運營能力，擇優拓展清潔能源EPC項目，提升項目獲取與交付能力。 - Taking into account regional resource endowments and changes in market rules, the Group optimises its asset structure and regional layout to improve the operating quality and earnings stability of its clean energy assets. 結合區域資源稟賦與市場規則變化，優化資產結構與區域佈局，提升清潔能源資產的運營質量與收益穩定性。	Short-term 短期 Medium-term 中期 Long-term 長期	Upstream 上游 Corporate Operations 企業運營 Downstream 下游

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Opportunity Type 機遇類型	Opportunity Description 機遇描述	Actions 行動措施	Time Horizon ² 影響期限 ²	Scope of Impact 影響範圍
Products and Services 產品與服務	- Technological innovation relating to clean energy and green buildings continues to advance, and solutions such as Building-Integrated Photovoltaics (BIPV) offer scope for wider deployment, which will help the Group expand its green building and integrated solutions business. 清潔能源與綠色建築相關技術創新持續推進，光伏建築一體化等解決方案具備推廣空間，有助於集團拓展綠色建築與綜合解決方案業務。 - In response to the needs of market-based electricity trading and customer-side energy management, the development of service capabilities such as electricity trading and integrated energy management will help the Group build differentiated services and expand new sources of revenue. 面向電力市場化交易與客戶側管理需求，電力交易、綜合能源管理等服務能力建設，有助於集團形成差異化服務並拓展新收入來源。	- The Group strengthens scientific research and the commercialisation of technological achievements, advances engineering applications and standardised outputs in areas such as Building-Integrated Photovoltaics and microgrids, and enhances productisation and replication capabilities. 加強科研與技術成果轉化，圍繞光伏建築一體化、微電網等方向推進工程化應用與標準化輸出，提升產品化與可複製能力。 - In line with the trend towards market-based trading, the Group enhances its electricity market trading and related service capabilities. 結合市場化交易趨勢，提升電力市場交易與相關服務能力。	Medium-term 中期 Long-term 長期	Upstream 上游 Corporate Operations 企業運營 Downstream 下游

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Opportunity Type 機遇類型	Opportunity Description 機遇描述	Actions 行動措施	Time Horizon ² 影響期限 ²	Scope of Impact 影響範圍
Market 市場	- The deepening of domestic market-oriented energy reforms and the development of green electricity trading create room for the Group to enhance its trading capabilities and expand trading-oriented businesses, while also helping to increase its market share in the clean energy EPC business. 國內能源市場化改革深化與綠電交易發展，為集團提升交易能力、拓展交易型業務創造空間，並有助於擴大清潔能源EPC市場份額。 - Growing overseas demand for sustainable energy solutions provides opportunities for the Group to expand its photovoltaic and wind power solutions in overseas markets, while also helping to enhance brand influence and diversify sources of orders. 海外對可持續能源解決方案需求增長，為集團在海外市場拓展光伏、風電等解決方案提供機會，並有助於提升品牌影響力與訂單來源多元化。	- The Group strengthens its market development efforts both domestically and internationally and, taking into account changes in industry policies and the competitive landscape, improves the market coverage and project selection quality of its clean energy EPC business. 強化國內外市場拓展，結合行業政策與競爭格局變化，提升清潔能源EPC業務的市場覆蓋與項目選擇質量。 - The Group advances cooperation in key overseas markets and expands and delivers projects centred on photovoltaic and wind power supply solutions, thereby establishing a sustainable international business layout. 推進海外重點市場合作，圍繞光伏與風電供能解決方案開展項目拓展與交付，形成可持續的國際業務佈局。	Short-term 短期 Medium-term 中期	Upstream 上游 Corporate Operations 企業運營 Downstream 下游

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Physical Risks

The Group has selected the high-emissions, high-growth scenario (SSP5-8.5) under the Shared Socioeconomic Pathways (SSP) developed by the Intergovernmental Panel on Climate Change (IPCC) to analyse physical risks. This scenario assumes that global greenhouse gas emissions will continue to rise through to the end of this century. Compared with 1850–1900, the increase in global average surface temperature during 2081–2100 is projected to range from 3.3°C to 5.7°C. Annual average near-surface temperatures in the regions where the Group operates are expected to change significantly, with the number of days with temperatures above 35°C likely to increase markedly in the future, while the number of days with temperatures below 0°C may also rise. Sea levels in the regions where the Group operates are also expected to continue rising. Under this scenario, policy and regulatory conditions are assumed to remain relatively loose; however, as global temperatures rise and changes occur in the frequency of extreme weather events, precipitation patterns and sea levels, the level of physical risk faced by the Group is expected to increase.

物理風險

集團選取聯合國政府間氣候變化專門委員會 (IPCC) 在共用社會經濟路徑 (SSP) 下的高排放高增長情景 (SSP5-8.5) 開展物理風險分析。該情景假設全球溫室氣體排放在本世紀末仍保持增長趨勢；與1850–1900年相比，2081–2100年全球地表平均氣溫升幅預計處於3.3°C至5.7°C區間。集團業務佈局區域的年平均近地表氣溫變化預計較為顯著，未來35°C以上高溫天氣日數可能明顯增加，同時0°C以下低溫天氣日數亦可能增多。集團業務佈局區域的海平面高度亦預計持續上升。該情景下政策監管相對寬鬆，但隨著全球氣溫上升、極端天氣日數變化、降水格局變化及海平面上升等現象出現，集團面臨的物理風險水準預計上升。

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Risk Type 風險類型	Risk Description 風險描述	Response Measures 應對措施	Time Horizon ³ 影響期限 ³	Scope of Impact 影響範圍
Acute Physical Risks 急性物理風險	Typhoons Some of the Group's projects are located in coastal areas. When typhoons are accompanied by strong winds and heavy rainfall, key station facilities and ancillary equipment may be damaged, leading to shutdowns, service interruptions and increased maintenance requirements. Transport disruption or short-term supply chain interruptions may also affect the efficiency of operation and maintenance response and construction planning, thereby putting pressure on operational continuity and project schedules. 集團部分項目位於沿海地區，颱風伴隨強風和暴雨時，可能導致場站關鍵設施及附屬設備受損，引發停機停運與檢修安排增加，並可能因交通受阻或供應鏈短時中斷影響運維響應效率與施工組織，從而對營運連續性與項目進度造成壓力。	The Group raises wind-resistance standards at the project siting and design stages and, taking into account site conditions, adopts reinforcement and protective measures for key equipment and critical facilities, while improving drainage and site management arrangements. The Group arranges property insurance covering climate risks for key assets, establishes climate disaster emergency plans and rapid response mechanisms, and regularly reviews the applicability of such plans in order to improve response capability and recovery efficiency during extreme weather events. 集團在項目選址與設計階段提高防風標準，並結合現場條件對關鍵設備及重要設施採取加固和防護措施，完善排水與現場管理安排。集團為關鍵資產配置涵蓋氣候風險的財產保險，並建立氣候災害應急預案與快速響應機制，定期檢視預案的適用性，提升極端天氣事件下的處置能力與恢復效率。	Short-term 短期 Medium-term 中期 Long-term 長期	Upstream 上游 Corporate Operations 企業運營 Downstream 下游

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Floods 洪水	- As a result of heavy rainfall, incidents such as water accumulation at project sites, scouring of foundations and inundation of ancillary facilities may increase, which may in turn lead to equipment failure, operational disruption and higher repair costs. Projects under construction may also experience work stoppages and schedule adjustments due to continued rainfall, thereby affecting delivery milestones and contractual performance arrangements. - 受強降雨影響，場區積水、基礎受沖刷及配套設施受浸等情況可能增加，進而導致設備故障、營運中斷及修復成本上升；在建項目亦可能因持續降雨出現停工與工期調整，從而對交付節點與履約安排產生影響。	- The Group raises flood protection standards at the project siting and design stages, optimises drainage systems and on-site protective arrangements, and adopts engineering measures such as elevating key equipment to reduce inundation risk. - The Group arranges property insurance covering climate risks for key assets, establishes climate disaster emergency plans and rapid response mechanisms, and, through drills and post-incident reviews, improves emergency response procedures so as to reduce the impact of rainstorm and flood events on operations. - 集團在項目選址與設計階段提高防洪標準，優化排水系統與現場防護佈置，並對關鍵設備採取抬高工程措施，降低受浸風險。 - 集團為關鍵資產配置涵蓋氣候風險的財產保險，並建立氣候災害應急預案與快速響應機制，結合演練與複盤完善應急處置流程，降低暴雨洪澇事件對營運的影響。	Short-term 短期 Medium-term 中期 Long-term 長期	Upstream 上游 Corporate Operations 企業運營 Downstream 下游

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Risk Type 風險類型	Risk Description 風險描述	Response Measures 應對措施	Time Horizon ³ 影響期限 ³	Scope of Impact 影響範圍
Extreme Heat 極端高溫	Extreme heat may lead to reduced output power of photovoltaic modules and failures of critical equipment. In addition, the Group undertakes numerous centralised photovoltaic power station construction projects and BIPV/curtain wall installation works for high-rise buildings. Under extreme heat conditions, workers performing outdoor work at height are highly susceptible to serious safety incidents such as heat exhaustion, heatstroke or falls from height caused by dizziness. 極端高溫可能會導致光伏元件的輸出功率下降與導致核心設備宕機。此外，集團承接大量的集中式光伏電站建設和高層建築BIPV/幕牆安裝工程。極端高溫下，戶外高空作業的工人極易發生中暑、熱射病或因眩暈導致的高空墜落等嚴重安全事故。	The Group actively develops high-temperature-resistant photovoltaic modules and optimises equipment heat dissipation design. It strictly implements heat prevention and cooling measures, adopts a staggered work scheduling strategy of “working during the cooler hours in the morning and evening and resting during the hottest part of the day”, equips construction sites with sufficient heatstroke prevention medicines, cold drink supply stations and air-conditioned rest areas, and uses wearable smart safety helmets to monitor workers' physical conditions in real time. 集團積極研發耐高溫的光伏元件，並優化設備散熱設計。嚴格執行防暑降溫預案，採取「做兩頭、歇中間」的錯峰排班策略，在施工現場配備充足的防暑藥品、冷飲補給站和帶空調的休息室，應用穿戴式智慧安全帽即時監測工人體征。	Medium-term 中期 Long-term 長期	Upstream 上游 Corporate Operations 企業運營 Downstream 下游

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Chronic Physical Risks 慢性物理風險	Sea-level Rise 海平面上升 Some of the Group's projects are located in coastal areas. As sea levels rise over the long term, the long-term exposure of infrastructure in coastal areas and the surrounding environments of project sites may increase, thereby raising the likelihood that key station facilities will be affected and placing higher demands on operational organisation, maintenance arrangements and asset safety, which may in turn put pressure on operational continuity and full-lifecycle asset management. 集團部分項目位於沿海區域。隨著海平面長期抬升，沿海區域的基礎設施與場站周邊環境面臨的長期暴露水準可能上升，進而增加場站關鍵設施受影響的概率，並可能對運營組織、檢修安排與資產安全提出更高要求，從而對營運連續性與資產全生命週期管理帶來壓力。	The Group prudently assesses long-term exposure risks in coastal areas during the project siting and feasibility study stages, raises relevant protection standards at the design stage, and improves drainage and protective measures around project sites. In line with asset management requirements, the Group conducts periodic risk inspections, implements targeted reinforcement and maintenance arrangements for key facilities and vulnerable points, arranges property insurance covering climate risks for key assets, and maintains effective coordination between emergency plans and rapid response mechanisms. 集團在項目選址與可研階段審慎評估沿海區域的長期暴露風險，並在設計階段提高相關防護標準，完善場站周邊排水與防護措施。集團結合資產管理要求開展週期性風險排查，對關鍵設施與薄弱環節實施針對性加固與維護安排，並為關鍵資產配置涵蓋氣候風險的財產保險，同時保持應急預案與快速響應機制的有效銜接。	Medium-term 中期 Long-term 長期	Upstream 上游 Corporate Operations 企業運營 Downstream 下游

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Rising Average Temperatures 平均氣溫升 高	Against the backdrop of long-term changes in climate patterns, average temperatures in the regions where the Group operates may continue to rise, and the frequency and duration of prolonged periods of high temperatures may increase. This change may impose higher requirements on the operating conditions and reliability management of certain equipment, and may also narrow on-site working windows and increase pressure on operation and maintenance organisation and personnel safety management, thereby affecting asset operating stability and the control of operation and maintenance costs. 在長期氣候模式變化背景下，業務佈局區域的平均氣溫可能持續上升，持續高溫天氣的發生頻次與持續時間可能增加。該變化可能對部分設備的運行工況與可靠性管理提出更高要求，並可能壓縮現場作業視窗，增加運維組織與人員安全管理壓力，從而對資產運行穩定性與運維成本控制帶來影響。	The Group pays close attention to weather resistance and suitability requirements during the project design and equipment selection stages, and strengthens the monitoring of the operating status of key equipment and preventive maintenance arrangements during operations so as to reduce the risk of failure under high-temperature conditions. The Group also optimises on-site work organisation during high-temperature seasons, improves personnel protection and safety training requirements, and strengthens emergency response and site management to ensure the safety of operation and maintenance work and the stable operation of assets. 集團在項目設計與設備選型階段關注耐候性與適配性要求，並在運營階段加強關鍵設備運行狀態監測與預防性維護安排，降低高溫條件下的故障風險。集團優化高溫季節現場作業組織，完善人員防護與安全培訓要求，強化應急響應與現場管理，保障運維作業安全與資產運行穩定。	Medium-term 中期 Long-term 長期	Upstream 上游 Corporate Operations 企業運營 Downstream 下游

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GHG Emissions

Addressing climate change and reducing greenhouse gas emissions are at the core of the Group's environmental management. The Group has deeply integrated the goals of carbon peaking and carbon neutrality into its medium- to long-term development strategy, and has identified clean energy development, green buildings and low-carbon urban development as its core development priorities. The Group has progressively established processes for the identification, assessment and management of climate-related risks and opportunities. The Group is committed to reducing carbon emissions from its own operations, while also delivering emission reductions across the value chain through its clean energy business.

The Group's GHG emissions mainly arise from three scopes:

- **Scope 1 (direct emissions):** direct GHG emissions arising from the consumption of petrol and diesel by company vehicles and from air-conditioning refrigerants.
- **Scope 2 (energy indirect emissions):** energy indirect GHG emissions arising from purchased electricity.
- **Scope 3 (other indirect emissions):** other indirect GHG emissions arising from employees' business travel.

To reduce greenhouse gas emissions in a systematic manner, the Group has adopted a multi-pronged set of emission reduction measures:

- **Promoting smart and green office practices:** encouraging employees to replace unnecessary business travel with video and telephone conferences, thereby reducing Scope 3 emissions.
- **Enhancing carbon management capabilities:** The Group continuously monitors and accounts for GHG emissions, providing data support for the formulation of more precise emission reduction pathways.

溫室氣體排放

應對氣候變化、減少溫室氣體排放是集團環境管理的核心。集團已將「碳达峰、碳中和」目標深度融入中長期發展戰略，明確將清潔能源開發、綠色建築與低碳城市建設作為核心發展方向。集團已逐步建立氣候相關風險和機遇的識別、評估與管理流程。集團重點關注並致力於減少自身運營碳排放，同時通過清潔能源業務實現價值鏈上的減排。

集團的溫室氣體排放主要來自三個範疇：

- **範圍一（直接排放）：**公務車輛消耗汽油、柴油及空調製冷劑造成的溫室氣體排放。
- **範圍二（能源間接排放）：**外購電力造成的能源間接溫室氣體排放。
- **範圍三（其他間接排放）：**員工商務差旅造成的間接溫室氣體排放。

為系統性地降低溫室氣體排放，集團採取了多維度的減排舉措：

- **宣導智慧綠色辦公：**鼓勵員工以視頻、電話會議替代不必要的商務出行，減少範圍三排放。
- **提升碳管理能力：**集團持續監控並核算溫室氣體排放，為制定更精準的減排路徑提供數據支援。

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- **Performance appraisal:** The Group uses core business indicators related to clean energy development and green transition, such as the approval and construction progress of clean energy projects, as performance indicators. The completion of these indicators is incorporated into the Group's unified annual performance appraisal, and the appraisal results are directly linked to individual performance bonuses, thereby indirectly supporting the achievement of carbon emission reduction targets.
- **績效考核：**集團以與清潔能源發展、綠色轉型相關的核心業務指標為載體，例如清潔能源項目獲批與建設進度，將這些指標的完成情況將納入集團統一的年度業績考核，考核結果與個人績效獎金直接掛鉤，間接驅動了碳減排目標的實現。

Highlight: Technical Upgrades to Reduce Greenhouse Gas Emissions

Leveraging its strengths in the photovoltaic sector, the Group promotes photovoltaic power generation at self-owned properties such as the Shuifa Singyes Energy Research and Development Building, replacing conventional thermal power with green electricity and reducing Scope 2 emissions at source. In addition, Zhuhai New Materials, a subsidiary of the Group, reduced electricity consumption through integrated upgrades to air-conditioning systems, heat pump systems and other facilities, thereby effectively reducing indirect emissions associated with purchased electricity; Zhuhai Energy-saving reduced direct emissions associated with fuel consumption through equipment upgrades and the introduction of AGVs.

The Group does not currently implement internal carbon pricing.

案例：技術改造持續降低溫室氣體排放

集團依託在光伏領域的優勢，在水發興業能源研發樓等自有物業大力推廣光伏發電，以綠色電力替代傳統火電，從源頭減少範圍二排放。此外，集團權屬公司珠海新材料通過空調、熱泵系統等綜合改造，減少了用電量，有效減少了外購電力相關的間接排放；珠海節能通過設備升級和引入AGV，降低了燃料消耗相關的直接排放。

集團目前未開展內部碳定價。

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SOCIAL

The Group places great emphasis on the synergistic advancement of corporate development and social responsibility. The Group strictly complies with relevant national laws and regulations. The Group has integrated social issues such as employee development, workplace safety, supply chain management, product responsibility, and business ethics into its corporate operation and management system. The Group continuously improves its internal policies on labour employment, occupational health and safety, and employee training, safeguarding employees' legitimate rights and interests and supporting their career development. In addition, the Group strengthens compliance management in its supply chain and quality control over its products, promoting stable supply chain operations and enhancing customer service. Moreover, the Group continues to reinforce integrity-based business management, and maintains communication and collaboration with communities where its projects are located, fostering a positive interaction between its business activities and social development.

Employment

Talent serves as a critical foundation for the Group's business operations and project implementation. Focusing on organisational development and position requirements, the Group strictly complies with applicable laws and regulations, including the Labor Law of the People's Republic of China and the Labor Contract Law of the People's Republic of China. The Group has formulated and continuously improves its internal policies, such as the Employee Benefits Management Plan, the Total Payroll Management Plan, and the Shuifa Singyes Energy Employee Handbook. These policies set out clear requirements for employee recruitment and onboarding, remuneration management, welfare protection, performance appraisal, and employee code of conduct. The Group standardises its labour employment management processes, safeguards employees' legitimate rights and interests, and promotes stable and orderly labour relations.

During the Reporting Period, there were no events that had a significant impact on the Group due to violations of laws and regulations relating to labour employment.

社會

集團高度重視企業發展與社會責任的協同推進，嚴格遵守國家相關法律法規，將員工發展、安全生產、供應鏈管理、產品責任及商業道德等社會議題納入企業運營管理體系。集團持續完善勞動用工、職業健康與安全及員工培訓等制度建設，保障員工合法權益，支援員工職業發展。同時，集團加強供應鏈合規管理與產品質量管控，推動供應鏈穩健運行並提升客戶服務水準。此外，集團持續強化廉潔經營管理，並與項目所在地社區保持溝通與協作，促進企業經營活動與社會發展的良性互動。

僱傭

人才是企業業務運營和項目實施的重要基礎。圍繞組織發展和崗位需求，集團嚴格遵守《中華人民共和國勞動法》《中華人民共和國勞動合同法》等適用法律法規，制定並持續完善《員工福利管理方案》《工資總額管理方案》《水發興業能源員工手冊》等內部制度，明確員工招聘錄用、薪酬管理、福利保障、績效考核及員工行為規範等管理要求，規範勞動僱傭管理流程，保障員工合法權益，促進穩定、規範的勞動關係。

報告期內，未發生因違反勞動用工相關法律法規而對集團產生重大影響的事件。

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Diversity, Equal Opportunity and Anti-discrimination

The Group strictly complies with applicable national and local laws and regulations on labour employment, and adheres to the principles of fairness and impartiality in recruitment, employment, and talent development management to prevent all forms of discrimination. Through its internal policies, the Group explicitly prohibits unreasonable differential treatment based on factors such as gender, age, ethnicity, religious belief, physical condition, or nationality in the processes of recruitment, remuneration management, training, and promotion, ensuring that human resource management is conducted in compliance with laws and regulations and under consistent standards. At the same time, the Group continuously monitors its workforce composition and job allocation, optimises talent structure in line with business development needs, and safeguards equal opportunities for employees in their career development through internal management mechanism.

Recruitment Management

Based on its business development and organisational planning, the Group formulates an annual human resources demand plan each year, and the Human Resources Department coordinates the implementation of recruitment activities. Recruitment channels include recruitment websites, professional media, and employment agencies. For candidates who pass the initial screening, the Group organises interviews and comprehensive evaluations in accordance with the Recruitment Management Measures, and establishes corresponding interview and approval procedures based on job levels. The recruitment for important or key positions shall be confirmed only after approval by the relevant responsible persons.

In terms of internal selection, the Group carries out staffing based on job responsibilities and capability requirements. When a position vacancy arises, the Group gives priority to internal employees who meet the relevant conditions, and conducts a comprehensive assessment based on the results of annual performance appraisals and job competency. For finance, procurement, and mid-to-senior level positions, the Group focuses on the candidates' professional ethics and ability to perform their duties during the selection process.

多元化、平等機會及反歧視

集團嚴格遵守國家及地方適用的勞動用工法律法規，在招聘、用工及人才發展管理中堅持公平、公正原則，防範各類歧視行為。集團通過制度檔明確禁止在招聘、薪酬管理、培訓及晉升過程中基於性別、年齡、民族、宗教信仰、身體狀況或國籍等因素實施不合理差別對待，確保人力資源管理過程依法合規、標準統一。同時，集團持續關注員工結構及崗位配置情況，結合業務發展需要優化人才結構安排，並通過內部管理機制保障員工在職業發展過程中享有平等機會。

招聘管理

集團根據業務發展及組織規劃，每年制定人力資源需求計畫，並由人力資源部門統籌開展招聘工作。招聘管道包括招聘網站、專業媒體及職業介紹機構等。對於通過初步篩選的候選人，依據《招聘錄用管理辦法》組織面試及綜合評估，並按照崗位層級設置相應的面試及審批流程。重要崗位或關鍵崗位的錄用須經相關負責人審批後方可確定。

在內部選拔方面，集團根據崗位職責及能力要求開展人員配置。當出現職位空缺時，在符合條件的情況下優先考慮內部員工，並結合年度績效考核結果及崗位勝任能力進行綜合評估。對於財務、採購及中高層崗位，在選聘過程中關注候選人的職業操守及履職能力。

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Communication with Employees

The Group has established a communication mechanism for employees to support the exchange of information and feedback between employees and management. The Human Resources Department, as the lead unit for employee relations management, is responsible for collecting employees' opinions and suggestions, and coordinates with relevant departments for verification and handling, forming an internal feedback mechanism. Employees may raise work-related matters through departmental meetings, daily communication, or HR channels. For issues involving remuneration and benefits, job placement, and labour relations, the Human Resources Department conducts reviews and provides handling opinions in accordance with the Group's policies and applicable laws and regulations. The Group also collects employees' opinions through exit interviews, which serve as a reference for optimising management arrangements and improving the working environment.

Remuneration and Performance Management

The Group has established a remuneration management system based on job value and performance. Pursuant to internal policies such as the Salary Management System, the Employee Remuneration Management Measures, and the Total Payroll Management Plan, the Group standardises the remuneration verification and disbursement processes. The remuneration structure is designed based on job responsibilities, capability requirements, and business objectives. Remuneration adjustments are primarily determined by performance appraisal results, changes in job responsibilities, and job rank promotions.

To strengthen performance management, the Group implements the Performance Appraisal Management Measures and establishes a differentiated appraisal system. The appraisal content is designed based on job categories, covering work completion status, performance capability, and professional performance. Performance results serve as an important basis for bonus distribution and career development. On this basis, the Group has established a performance bonus and special reward mechanism to provide corresponding incentives to employees who have achieved substantial results in technological innovation, patent applications, and professional achievements.

員工溝通

集團建立員工溝通機制，支持員工與管理層之間的信息交流與意見反饋。人力資源部門作為員工關係管理的牽頭單位，負責收集員工意見建議，並協調相關部門進行核實與處理，形成內部反饋機制。員工可通過部門會議、日常溝通或人力資源管道反映與工作相關的事項。對於涉及薪酬福利、崗位安排及勞動關係等問題，人力資源部門依據集團制度及適用法律法規進行核查並提出處理意見。集團亦通過離職面談了解員工意見，作為優化管理安排及完善工作環境的參考。

薪酬績效管理

集團建立以崗位價值及績效表現為基礎的薪酬管理體系，並依據《薪酬管理制度》《員工薪酬管理辦法》《工資總額管理方案》等內部制度規範薪酬核定與發放流程。薪酬結構結合崗位職責、能力要求及經營目標進行設置，薪酬調整主要依據績效考核結果、崗位職責變化及職級晉升情況進行。

為強化績效管理，集團實施《績效考核管理辦法》，建立差異化的考核體系。考核內容根據崗位類別設置，涵蓋工作完成情況、履職能力及專業表現等方面。績效結果作為獎金分配及崗位發展的重要依據。在此基礎上，集團設立績效獎金及專項獎勵機制，對在技術創新、專利申請及專業成果方面取得實質性成果的員工給予相應激勵。

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Welfare and Leave Entitlements

The Group complies with applicable national laws and regulations on working hours and leave systems, implements standard working hour arrangements, safeguards employees' statutory rights to rest and leave, and pays overtime remuneration in accordance with relevant laws and regulations. In terms of social security, the Group pays social insurance and housing provident fund for eligible employees in accordance with the Social Insurance Law of the People's Republic of China, fulfilling its statutory welfare obligations. On the basis of statutory protection, the Group provides supplementary benefits based on its actual operating conditions, including working meal subsidies, high-temperature subsidies, special position allowances, and technical title subsidies. The Group also provides dormitories or commuter shuttle buses for employees. The Group organises annual health check-ups and provides relevant training support based on job requirements, so as to safeguard employees' physical and mental health and continuously enhance their ability to perform their duties.

Highlight: Conducting Front-line Support and Relief Work at Disaster-Affected Power Stations

In 2025, Shuifa Green Energy Co., Ltd., a subsidiary of the Group, organised and carried out front-line support and relief work following the disaster that affected its power stations in Yangjiang and Zhanjiang. Relevant management personnel visited the affected power stations to assess equipment damage and the progress of emergency repairs, communicated the actual needs of the ongoing repair work, and paid attention to living support matters such as employee dormitories and shift rotation arrangements. Based on the site conditions, the Company provided material support including daily necessities and emergency medical supplies, assisting front-line operation and maintenance personnel in post-disaster recovery efforts. While ensuring employee safety and basic living conditions, the Company supported the orderly progress of power station repairs and electricity restoration.

福利與休假保障

集團依法執行國家有關勞動工時和休假制度，實行標準工作時間安排，保障員工依法享有的休息休假權利，並按照相關法律法規支付加班報酬。在社會保障方面，集團依據《中華人民共和國社會保險法》為符合條件的員工繳納社會保險及住房公積金，落實法定福利保障義務。在法定保障基礎上，集團結合經營實際情況提供補充性福利，包括工作餐補貼、高溫補貼、特殊崗位補貼及技術職稱補貼等支援措施，亦為員工提供宿舍或通勤班車。集團每年組織年度體檢，根據崗位需求提供相關培訓支援，以保障員工身心健康及履職能力的持續提升。

案例：開展受災電站一線慰問與保障工作

2025年，集團權屬公司水發綠色能源股份有限公司在陽江、湛江地區電站受災後，組織開展一線慰問及保障工作。相關管理人員赴受災電站了解設備受損及搶修進度情況，溝通當前搶修工作中的實際需求，並關注員工宿舍及輪休安排等生活保障事項。針對現場實際情況，提供生活用品及應急藥品等物資支持，協助一線運維人員開展災後恢復工作，在保障員工安全與基本生活條件的同時，支持電站搶修及電力恢復工作有序推進。



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Highlight: Organising Employee Birthday Care Activities

In 2025, the Group organised employee birthday care activities, which were hosted by the Labour Union Committee of Shuifa Singyes Holdings Co., Ltd. and undertaken by Zhuhai Shuifa Singyes New Materials Technology Co., Ltd. As part of the Group's employee care arrangements, the activity conveyed birthday wishes to employees celebrating their birthdays that month through a collective birthday celebration. During the activity, management personnel communicated with employees to learn about their work and living conditions, and strengthened team communication through interactive sessions, fostering a stable and orderly working atmosphere.

案例：組織員工生日關懷活動

2025年，集團組織開展員工生日關懷活動，由水發興業控股有限公司工會委員會主辦、珠海水發興業新材料科技有限公司承辦。該活動為員工關懷安排之一，通過集體生日會形式向當月員工表達祝福。活動期間，管理人員與員工進行交流，了解員工工作及生活情況，並通過互動環節加強團隊溝通，營造穩定有序的工作氛圍。



Labour Standards

The Group strictly complies with relevant laws and regulations, including the Provision on the Prohibition of Using Child Labour, and prohibits the use of child or forced labour in any part of its business operations. To mitigate the risk of child labour, the Group has formulated the Helping Child Labour and Underage Labour Protection and Control Procedures, which set out clear recruitment age requirements and labour management standards. The Group only recruits personnel who meet the statutory age requirements and verifies their identity documents prior to employment. In terms of labour relations management, the Group has established the Prohibition of Forced

勞工準則

集團嚴格遵守《禁止使用童工規定》等有關法律法規，禁止在任何業務環節使用童工或強制勞工。為防範童工風險，集團制定《救濟童工及未成年工保護控制程序》，明確招聘年齡要求及用工管理規範。集團僅招聘符合法定年齡要求的人員，並在員工入職前核驗身份證明文件。在勞動關係管理方面，集團制定《禁止強迫性勞工管理控制程序》，依法簽訂勞動合同，明確工作時間、工作地點及崗位職責，保

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Labour Management and Control Procedures, enters into labour contracts in accordance with the law, and clearly defines working hours, work locations, and job responsibilities, ensuring that employees perform their duties on an informed and voluntary basis. If overtime arrangements are required, they shall be subject to mutual agreement, and overtime compensation or time-off in lieu shall be provided in accordance with the law to prevent instances of forced overtime. Furthermore, the Group prohibits any form of violence, corporal punishment, humiliation, or harassment. Should any relevant violations be discovered, the Group will conduct an investigation and take action in accordance with its internal management policies.

During the Reporting Period, there were no events that had a significant impact on the Group due to violations of laws and regulations relating to child labour or forced labour.

Development and Training

The Group has established a training management system and, pursuant to internal policies such as Employee Training Management Measures and Safety Education and Training System, standardises the processes for training plan formulation and implementation. Based on its business development needs and job requirements, the Group formulates an annual training plan each year, covering employees at different levels and across various professional categories.

The training content mainly includes management training, competency enhancement training, professional and technical training, new employee training, and continuing education for certifications. Specifically, management training focuses on compliance awareness, business management, and the enhancement of performance capabilities; competency training emphasises communication, collaboration, and professional ethics; professional and technical training supports technological updates and the enhancement of application capabilities in line with business development; new employee training covers the Group's basic profile, internal policies, and foundational job knowledge. For professional certifications requiring regular continuing education, the Group organises the relevant training arrangements in a coordinated manner.

障員工在知情、自願的前提下履行崗位職責。如有加班安排，須經協商確認，並依法支付加班報酬或安排調休，防止強制加班情形發生。此外，集團禁止任何形式的暴力、體罰、侮辱或騷擾行為。若發現相關違規情況，將依據內部管理制度進行調查處理。

報告期內，未發生因違反童工或強制勞工相關法律法規而對集團產生重大影響的事件。

發展及培訓

集團建立培訓管理體系，並依據《員工培訓管理辦法》《安全教育培訓制度》等制度檔，規範培訓計畫制定與組織實施流程。集團根據業務發展需要及崗位要求，每年制定年度培訓計畫，覆蓋不同層級及專業類別員工。

培訓內容主要包括管理類培訓、能力素質提升培訓、專業技術培訓、新員工培訓及證件繼續教育等類別。其中，管理類培訓圍繞合規意識、經營管理及履職能力提升開展；能力素質類培訓關注溝通協作及職業素養；專業技術類培訓結合業務發展推進技術更新與應用能力提升；新員工培訓涵蓋企業基本情況、規章制度及崗位基礎知識；對於需定期繼續教育的職業資格證書，由集團統一組織相關培訓安排。

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The Group implements training through various methods, including lectures delivered by internal instructors, training provided by external professional institutions, and employees' participation in industry courses. The Human Resources Department tracks and evaluates training effectiveness in accordance with the training plan. For certain positions, employees must pass assessments before obtaining the corresponding qualifications or work permits. The Group also encourages employees to pursue continuing education relevant to their job requirements, and provides corresponding support for learning expenses that meet the criteria set out in its internal policies.

During the Reporting Period, the Group organised and conducted training courses including State-owned Enterprise Legal Compliance, State-owned Enterprise Contract Management, Records Management Practices and Special Enhancement, Training for Directors and Senior Executives, and New Employee Induction Training, supporting the enhancement of employees' performance capabilities.

To support the long-term development of its employees, the Group has established three career development channels-technical, management, and skill-in conjunction with its training system and performance management mechanism, and has set up corresponding hierarchical arrangements. Promotion decisions are made based on performance results and capability assessments.

Health and Safety

The Group believes that employee health and safety are fundamental to ensuring operational stability and work efficiency, and therefore places safety at the forefront of its priorities. The Group strictly complies with relevant laws and regulations, including the Labor Law of the People's Republic of China, the Work Safety Law of the People's Republic of China, the Law of the People's Republic of China on the Prevention and Control of Occupational Diseases, and the Fire Protection Law of the People's Republic of China. It advocates a safety culture of "life first, safety first" and the core management philosophy and safety policy of "safety first, prevention-oriented, and comprehensive management". The Group has set achieving and maintaining "zero accidents and zero occupational diseases" as its overarching goal for occupational health and safety, and strives to provide employees with a healthy, safe, and comfortable working environment.

集團通過內部講師授課、外部專業機構培訓及員工參加行業課程等多種方式實施培訓。人力資源部門根據培訓計畫對培訓效果進行跟蹤與評估，部分崗位人員需通過考核後方可取得相應資格或上崗證書。集團同時鼓勵員工結合崗位需求開展繼續學習，對符合制度規定的學習費用給予相應支援。

報告期內，集團組織開展包括《國有企業法治合規》《國有企業合同管理》《檔案管理實務與專項提升》《董事及高管培訓》及新員工入職培訓等課程，支持員工履職能力提升。

為支援員工長期發展，集團結合培訓體系與績效管理機制，建立技術、管理及技能三類職業發展通道，並設置相應層級安排。晉升決策依據績效表現及能力評估結果作出。

健康與安全

集團認為，員工健康與安全是保障營運穩定與工作效能的基礎，因此將安全工作置於優先位置。集團嚴格遵守《中華人民共和國勞動法》《中華人民共和國安全生產法》《中華人民共和國職業病防治法》《中華人民共和國消防法》等相關法律法規，宣導「生命至上、安全第一」的安全文化及「安全第一，預防為主，綜合治理」的核心管理理念與安全方針，將實現並維持「零事故、零職業病」作為職業健康與安全總體目標，努力為員工提供健康、安全、舒適的工作環境。

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The Group has established the Work Safety System and its supporting safe operating procedures and product operation instructions to standardise equipment operation and work processes, thereby reducing the risk of injury. In terms of occupational health and safety management, the Group adopts a management model under which subsidiaries obtain independent certifications while the Group headquarters provides functional support. As at the end of the Reporting Period, five subsidiaries had obtained ISO 45001 Occupational Health and Safety Management System Certification, with the certification scope covering the premises, processes, and employees involved in their production and business activities.

During the Reporting Period, the Group was not aware of any situations about material violations of laws and regulations relating to health and safety which have a significant impact on the Group.

Safety Management

The Group identifies, assesses, and controls hazards in its production activities and occupational health and safety deficiencies that may lead to accidents, so as to improve production conditions and the working environment. Seven subsidiaries of the Group have established a dual prevention mechanism for risks and hidden hazards, conducting comprehensive inspections covering equipment, construction sites, and operational practices, and using a four-colour classification of “red, orange, yellow, and blue” to grade risk points, enabling visual supervision of key areas. In terms of hazard rectification, the Group follows the principle of “minor hazards rectified on the spot, major hazards rectified within a specified period”, and implements closed-loop management in accordance with the “Five Definites” principle. The entire process from hazard identification to acceptance and closure is documented and recorded, ensuring traceability of issues.

The Group has developed safety operation instructions for different production equipment, specifying operating procedures and safety requirements to regulate on-site work practices. At the same time, the Group provides necessary occupational protective facilities and protective equipment, and requires employees to inspect the equipment as stipulated before operation and implement corresponding safety protection measures, ensuring that equipment is well maintained and operates stably, thereby reducing operational risks at the source.

集團制定《安全生產制度》及配套的安全操作規程和產品作業指導書，規範設備操作與作業流程，降低受傷風險。職業健康與安全管理方面，集團採用「權屬公司獨立認證，集團總部職能支援」的管理模式，截至報告期末，已有5家權屬公司通過ISO 45001職業健康與安全管理體系認證，認證範圍覆蓋其生產經營活動涉及的場所、過程和員工。

報告期內，集團未發現任何重大違反健康與安全相關法律法規而對集團產生重大影響的情況。

安全管理

集團對生產活動中的危險源及可能引致事故的職業健康安全缺陷開展識別、評估與控制，改善生產條件及工作環境。集團7家權屬公司建立了風險隱患雙重預防機制，對設備、施工現場及操作行為開展全覆蓋排查，並以「紅橙黃藍」四色分級標識風險點，實現重點區域直觀化監管。在隱患整改方面，集團落實「小隱患當場整改，大隱患限期治理」的原則，並按「五定」原則落實閉環管理，隱患從發現到驗收銷號全過程建檔入帳，確保問題可追溯。

圍繞設備安全與作業安全的協同管理，集團制定不同生產設備的安全操作指導書，明確操作規程及安全要求，規範現場作業行為。同時，配備必要的職業防護設施和防護用品，並要求員工在作業前按規定對設備進行檢查，落實相應安全防護措施，確保設備維護良好、運行穩定，從源頭降低操作風險。

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On the basis of risk prevention, the Group has further established an emergency management mechanism for work safety accidents and formulated the Emergency Plan for Work Safety Accidents, covering scenarios such as fire, flood control and crossing, food poisoning, electric shock, mechanical injury, chemical leakage, and vehicle injury. The emergency plan system covers the Group and its subsidiaries, forming a three-tier response structure of “Group-Subsidiary-Site Response”. Under this framework, the headquarters focuses on overall coordination, resource allocation, and emergency command, while maintaining effective alignment with the emergency plans of each subsidiary.

In addition, the Group has established the Quality and Safety Department, which is responsible for organising safety supervision and inspection activities, as well as conducting safety inspections at construction sites. The inspection scope covers equipment and facilities, electrical systems, chemical warehousing, safety signs, safety education, personal protection, on-site protection, firefighting equipment, dust and noise control, canteen and drinking water safety, and disaster prevention measures. The Quality and Safety Department conducts quarterly supervision and evaluation of the implementation of safety and environmental objectives and targets, the execution of management plans, and compliance with laws and regulations. For any non-conformities identified during inspections, the Department conducts investigations and implements corrective actions in accordance with the Environmental Safety and Accident Reporting and Investigation Procedures. The environmental and safety monitoring results, together with corrective and preventive measures, are submitted to management for review, ensuring a closed-loop rectification process.

In terms of occupational health management, during the first half of each year, the Company engages third-party occupational health testing institutions to assess whether there are occupational hazard factors present in the workplace, and enters into Occupational Hazard Notification Agreements with employees in relevant positions. In the second half of each year, the Company arranges unified occupational health examinations for employees exposed to occupational health hazards. Pre-employment and off-boarding personnel also undergo occupational health examinations on an ad hoc basis.

在風險預防基礎上，進一步建立生產安全事故應急管理機制，制定《生產安全事故應急預案》，涵蓋火災、防洪渡汛、食物中毒、觸電、機械傷害、化學品洩漏及車輛傷害等情形。預案體系覆蓋集團及權屬公司，形成「集團—權屬公司—現場處置」三級響應安排。其中，總部側重統籌協調、資源調配與應急指揮，並與各權屬公司預案保持有效銜接。

同時，集團設立質安部，負責組織開展安全監督與檢查工作，並對施工現場實施安全巡查。檢查範圍涵蓋設備設施、電氣系統、化學品倉儲、安全標識、安全教育、個人防護、現場防護、消防器材、粉塵及噪聲控制、食堂與飲用水安全及防災措施等內容。質安部按季度對安全及環境目標、指標執行情況、管理方案落實情況及法律法規遵守情況進行監督評估。對檢查中發現的不符合事項，依據《環安事故報告調查處理控制程序》開展調查與整改，並將環安監測結果及糾正預防措施提交管理層審核，形成整改閉環。

職業健康管理方面，每年上半年，集團委託第三方職業健康檢測機構評估工作場所是否存在職業病危害因素，並與相關崗位員工簽訂職業病危害因素告知書；每年下半年，集團統一安排涉及職業健康危害崗位的員工開展職業健康體檢。崗前、離崗人員不定期開展職業健康體檢。

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Safety Education and Publicity

The Group places great emphasis on safety education and capacity building, continuously enhancing employees' safety awareness and risk prevention capabilities through diversified training. The Group provides three-tier safety education for new employees and regularly conducts occupational safety training for all employees. For positions such as equipment operation and maintenance personnel, project managers, construction quality and safety inspectors, special operation personnel, and chemical usage management personnel, the Group implements licence-based management in accordance with national laws and regulations, ensuring that key position personnel possess the appropriate professional qualifications and operational capabilities.

In daily management, the Group publishes occupational disease prevention and control policies, operating procedures, emergency rescue measures, and occupational hazard factor monitoring results through bulletin boards at its facilities, ensuring employees' right to know. Employees are encouraged to provide opinions and suggestions regarding workplace safety, promoting continuous improvement in safety management. At the same time, the Group has established emergency and evacuation procedures to ensure an orderly response in the event of major accidents.

Based on actual circumstances, the Group guides its subsidiaries to establish a work safety reward and punishment system, which is linked to the employee performance appraisal mechanism, thereby strengthening the implementation of safety responsibilities at both management and execution levels. Through continuous analysis and evaluation of safety management effectiveness, the Group continuously improves relevant management arrangements to reduce safety hazards and the risk of accidents.

Supply Chain Management

The Group attaches great importance to the robustness and sustainability of its supply chain and is committed to establishing long-term, stable, mutually trusting and win-win cooperative relationships with suppliers, jointly promoting green and low-carbon transformation and high-quality development. Focusing on full lifecycle management of suppliers, the Group has established a closed-loop management mechanism covering access review, dynamic evaluation, tiered management, and disciplinary action for violations, integrating quality, environment, occupational health and safety, and compliance requirements into the entire supplier management process, continuously enhancing the overall management level and risk prevention and control capabilities of the supply chain.

安全教育及宣傳

集團重視安全教育與能力建設，通過多元化培訓持續提升員工安全意識和風險防範能力。對新員工實施三級安全教育，並定期面向全體員工開展職業安全培訓。針對設備操作與維護人員、項目經理、施工質量與安全檢查人員、特種作業人員及化學品使用管理人員等崗位，按照國家法律法規要求落實持證上崗管理，確保關鍵崗位人員具備相應專業資質與操作能力。

在日常管理中，集團通過廠區公告欄等方式公佈職業病危害防治制度、操作規程、應急救援措施及職業病危害因素檢測結果，保障員工知情權。鼓勵員工就工作場所安全提出意見與建議，促進安全管理持續優化。同時建立緊急與逃生程序，確保重大事故發生時響應有序。

結合實際情況，集團指導權屬公司建立安全生產獎懲制度，並與員工績效考核機制相銜接，強化安全責任落實至管理及執行層級。通過對安全管理成效的持續分析與評估，不斷完善相關管理安排，降低安全隱患及事故發生風險。

供應鏈管理

集團高度重視供應鏈的穩健性與可持續性，致力於與供應商建立長期、穩定、互信共贏的合作關係，共同推動綠色低碳轉型與高質量發展。圍繞供應商全生命週期管理，集團建立了覆蓋准入審核、動態評價、分級管理及違規懲處的閉環管理機制，將質量、環境、職業健康安全及合規經營要求融入供應商管理全過程，不斷提升供應鏈整體管理水準與風險防控能力。

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Supplier Management

The Group strictly follows the principles of openness, fairness, impartiality, and competitive merit-based selection in its tendering and procurement activities. All suppliers must complete registration and qualification review through the Sunshine Smart Procurement e-Platform, enabling unified management and traceability of the procurement process. The Tendering and Procurement Department, as the department responsible for supplier management, establishes the access standards, evaluation system, and disciplinary mechanism for violations, and coordinates the implementation of admission reviews and annual evaluations. The Group adheres to the green procurement concept, giving priority to products and services that meet national environmental standards, are energy-saving, low-carbon, low-pollution, and recyclable.

- **At the Access Stage:** The Group has established the New Supplier Review Procedures, focusing on reviewing the supplier's legal qualifications, commercial reputation, financial condition, and performance capability. Suppliers are required to have the ability to bear civil liability independently, a good record of paying taxes and social security contributions in accordance with the law, and confirmation that they are not listed as dishonest judgment debtors or major violators of laws and regulations. At the same time, the Group gives priority to suppliers that have obtained ISO 9001 Quality Management System Certification, ISO 14001 Environmental Management System Certification, and ISO 45001 Occupational Health and Safety Management System Certification, and also reviews their records of environmental violations or safety accidents, thereby strengthening the identification and control of environmental and social risks at the source.
- **During the Cooperation Process:** The Group has established the Supplier Questionnaire and implements a dynamic evaluation mechanism combining project-based assessments and annual reviews, through which it continuously monitors suppliers' performance, product or service quality, compliance with laws and regulations, and level of cooperation. The Group incorporates environmental protection, occupational health and safety, and social responsibility performance into its comprehensive supplier evaluation framework, serving as an important basis for tiered supplier management. Based on annual comprehensive performance, the Group implements differentiated management for its suppliers.

供應商管理

集團嚴格遵循公開、公平、公正及競爭擇優原則開展招標採購工作，所有供應商須通過「陽光智採e平台」完成註冊及資格審核，實現採購流程的統一管理與可追溯。招標採購部作為供應商管理的歸口部門，負責制定準入標準、評價體系及違規處理機制，並統籌組織入庫審核及年度評價工作。集團貫徹綠色採購理念，優先選擇符合國家環保標準、節能低碳、低污染及可循環利用要求的產品與服務。

- **在准入階段：**集團制定《新供應商評審流程》，重點審查供應商的主體資質、商業信譽、財務狀況及履約能力，要求其具備獨立承擔民事責任能力、依法納稅及繳納社會保障資金的良好記錄，並確認其未被列入失信被執行人或重大違法違規名單。同時，集團優先選擇取得ISO 9001質量管制體系、ISO 14001環境管理體系及ISO 45001職業健康安全管理体系認證的供應商，並關注其是否存在環境違法或安全事故記錄，從源頭加強對環境及社會風險的識別與管控。
- **在合作過程：**集團制定《供應商調查表》，通過項目評價與年度評價相結合的動態考評機制，對供應商的履約表現、產品或服務質量、合規經營情況及配合度進行持續監督。集團將環境保護、職業健康安全及社會責任履行情況納入供應商綜合評價維度，作為供應商分級管理的重要依據，並根據年度綜合表現，對供應商實施差異化管理。

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Supply Chain Risk Management

To strengthen supply chain risk control, the Group has established the Supplier Misconduct Management System, which clearly defines acts such as fraud, bid rigging and collusion, provision of non-conforming products, and breach of integrity commitments. Depending on the severity of the violation, tiered measures are implemented, including warning, suspension of cooperation, and placement on a blacklist. The relevant handling results are managed and published through a unified platform to ensure standardised procedures and transparent processes.

During routine cooperation and the annual evaluation process, the Group continuously monitors suppliers' performance in quality management, environmental protection, work safety, and social responsibility. If major quality defects, environmental or safety incidents, or serious violations and misconduct occur due to supplier reasons, the Group will initiate risk handling procedures in accordance with laws and regulations, urge rectification or terminate the cooperative relationship, so as to mitigate operational and reputational risks and ensure the stable and controllable operation of the supply chain.

Product Responsibility

The Group has always adhered to the development philosophy of quality-first and customer-centricity, regarding product safety and service quality as the core foundation of its sustainable development. Through a comprehensive quality management system and internal control mechanisms, the Group ensures that its products and engineering services comply with relevant laws, regulations, and industry standards, while continuously optimising product lifecycle management.

During the Reporting Period, the Group was not aware of any material violations of laws and regulations relating to health and safety, advertising, labelling, or privacy that had a significant impact on the Group. There were no product recalls of sold or shipped products due to safety or health reasons, nor were there any major complaints regarding product quality.

供應鏈風險管理

為強化供應鏈風險控制，集團建立《供應商不良行為管理制度》，對弄虛作假、圍標串標、提供不合格產品、違反廉潔承諾等行為予以明確界定，並根據違規情節實施分級處理措施，包括通報、暫停合作直至列入黑名單。相關處理結果通過統一平台進行管理與公示，確保程序規範、過程透明。

在日常合作及年度評價過程中，集團持續關注供應商在質量管制、環境保護、安全生產及社會責任方面的表現。如因供應商原因發生重大質量缺陷、環保或安全事故，或出現嚴重違規及不良行為，集團將依法依規啟動風險處置程序，督促整改或終止合作關係，降低經營與聲譽風險，保障供應鏈運行穩健可控。

產品責任

集團始終堅持以質量為本、以客戶為中心的發展理念，將產品安全與服務質量視為企業可持續發展的核心基礎。集團通過完善的質量管制體系和內部監控機制，確保產品及工程服務符合相關法律法規及行業標準要求，並持續優化產品全生命週期管理水準。

報告期內，集團未發生因健康與安全、廣告、標籤、隱私等事項而對集團產生重大影響的違法違規事件，未發生因安全或健康原因而需召回已售或已運送產品的情況，亦未發生重大產品質量投訴。

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Product Quality Management

The Group has established and continuously improved its quality management system, and has formulated management procedures including Product Monitoring and Measurement Control Procedures, Construction Quality Management System, Corrective Action Control Procedures, Risk and Opportunity Control Procedures, to implement quality control throughout the entire process of raw material procurement, production and processing, construction, and project acceptance.

To ensure the quality and efficiency of quality management, the Group implements a management mechanism that combines incoming inspection, processing inspection, and construction site inspection, and engages qualified third-party institutions to conduct performance tests on certain products, ensuring that product and construction quality meet standard requirements. For non-conforming raw materials or products, the Group strictly follows Non-conforming Product Control Procedures to isolate, evaluate, and dispose of them, preventing defective products from entering subsequent processes or the market.

When significant product quality defects, safety hazards, or non-compliance with laws and regulations are identified, the Quality System Department will immediately initiate a quality alert and activate the “8D⁴ management” procedure, convening a special task force comprising R&D, production, sales, and procurement departments to conduct root cause analysis, risk assessment, and the formulation of corrective actions. After the 8D report is approved by the responsible supervisor or general manager, the corrective measures identified in the report are implemented, and traceability checks are carried out on work-in-progress, finished goods in inventory, and products already shipped to ensure that risks are effectively controlled.

⁴ 8D stands for the Eight Disciplines Problem Solving Method, a systematic approach to problem solving originally widely used in the automotive industry but also successfully applied in sectors such as healthcare, retail, finance, government, and manufacturing. The method comprises eight steps typically used to identify problems, take corrective actions, and prevent recurrence, thus playing an important role in product and process improvement.

產品質量管制

集團建立並持續完善質量管制體系，制定《產品監視和測量控制程序》《施工質量管制制度》《糾正措施控制程序》《風險和機遇控制程序》等管理辦法，對原材料採購、生產加工、工程施工及項目驗收全過程實施質量管控。

為保障質量管制的質量和效率，集團實行進料檢驗、過程檢驗及施工現場巡查相結合的管理機制，並委託具備資質的第三方機構開展部分產品性能檢測，確保產品及工程質量符合標準要求。對於不合格原材料或產品，嚴格按照《不合格品控制程序》進行隔離、評審及處置，防止問題產品流入下道工序或市場。

當發現產品存在重大質量缺陷、安全隱患或法規不符合情形時，質量體系部將即時發起質量預警並啟動「8D⁴管理」程序，組織研發、生產、銷售及採購等部門成立專項小組，開展原因分析、風險評估及整改措施制定。8D報告經分管領導或總經理批准後，按報告確定的糾正措施組織實施，並對在製品、庫存品及已出貨產品進行追溯排查，確保風險得到有效控制。

⁴ 8D即八項原則問題解決法，是一種系統性的問題解決方法，最初廣泛應用於汽車行業，但亦已在醫療、零售、金融、政府及製造業等領域成功推廣。該方法包括八個步驟，通常用於識別問題、採取糾正措施並防止問題再次發生，因此在產品改進和過程改進中具有重要作用。

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Customer Service

The Group has established and continuously improves its customer service management procedures, which are implemented in a standardised manner through documented policies. The Group's Sales Department serves as the department responsible for after-sales service, handling all customer feedback and complaints regarding products and services in a unified manner, and uses the Customer Information Receipt Registration Form to record and track all customer feedback, ensuring traceability.

For quality-related anomalies, the Group implements tiered and classified management in accordance with the relevant provisions of Quality Agreement signed with customers, and deploys supporting quality escalation monitoring measures. Different response timeframes and handling procedures are matched to issues based on their severity and scope of impact. Upon receiving a customer complaint, the sales personnel submit the relevant information to the Quality System Department using Corrective and Preventive Action Handling Form, and the Quality System Department takes the lead in organising the investigation and resolution.

For issues where responsibility is complex to define or cross-departmental coordination is required, the Quality System Department will complete information collection within twelve hours and convene a special improvement meeting with relevant departments including production technology, R&D, and sales. At the meeting, emergency corrective measures and rectification plans for work-in-progress, finished goods in inventory, and products already delivered to customers will be defined, with responsible persons and completion deadlines assigned. For general quality issues, the responsible department will complete root cause analysis and propose corrective measures within twenty-four hours. If the customer requests an 8D report, or if the feedback relates to automotive products, the Group will prepare a formal report in accordance with the 8D management procedure and provide it to the customer. In cases involving product failure analysis, the Group will follow the On-site Failure Analysis Management Standard to ensure a standardised analysis process and reliable conclusions.

客戶服務

集團建立並持續完善客戶服務管理辦法，通過制度化檔予以規範實施。集團銷售部為售後服務歸口管理部門，負責統一受理客戶關於產品及服務的反饋與投訴，並通過《顧客信息受理登記表》進行登記與跟蹤管理，確保所有客戶反饋均可追溯。

針對質量異常事項，集團依據與客戶簽訂的《質量協定》有關條款實施分級分類管理，並配套質量升級監控措施，對不同嚴重程度及影響範圍的問題匹配相應響應時限與處置程序。銷售人員在接到客戶投訴後，將相關情況以《糾正預防措施處理表》的形式提交質量體系部，由質量體系部牽頭組織調查與處置。

對於責任界定複雜或需跨部門協同處理的問題，質量體系部將在十二小時內完成信息收集，並組織生產技術、研發及銷售等相關部門召開專項改善會議，明確對在製品、庫存品及客戶處產品的應急糾正措施與整改方案，落實責任人及完成時限。一般質量問題由責任部門在二十四小時內完成原因分析並提出糾正措施；如客戶要求提供8D報告，或屬於汽車產品客戶反饋事項，集團將按照8D管理程序形成正式報告並反饋客戶。涉及產品失效分析的情形，則按照《現場失效分析管理規範》執行，確保分析過程規範、結論可靠。

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The Quality System Department is responsible for continuously tracking the implementation and effectiveness of the corrective actions listed in the Corrective and Preventive Action Handling Form and the 8D report. Verification is typically conducted on a weekly basis, and the case is closed only after consecutive observations show no abnormalities. Upon completion of the corrective actions, the sales personnel communicate with the customer to confirm the improvement results, and the relevant information is recorded and archived.

To drive systematic improvement, the Group records all complaints in a centralised Corrective and Preventive Action log for unified management. Significant or typical issues are reported during management reviews and quality meetings, with root causes fed back to R&D, procurement (supplier control), and production (process and process control) functions. Where necessary, the FMEA, control plan, and inspection standards are revised. Through batch validation and customer confirmation, the Group has established a closed-loop management mechanism of “customer feedback – internal analysis – corrective implementation – effectiveness verification – customer confirmation”, continuously enhancing the quality of its products and services.

Information Security and Customer Privacy Protection

The Group places great emphasis on customer information security and privacy protection, regarding them as a crucial foundation for maintaining customer trust and corporate reputation. The Group has established and implements Confidentiality Control Procedures, under which customer contact information, order data, complaint information, and related business data are subject to dedicated personnel management and encrypted storage. A strict tiered authorisation and access control mechanism is enforced, allowing access and use only by authorised personnel. Customer information is used solely for legitimate purposes such as order fulfilment, after-sales service, and quality improvement, and shall not be used for any unrelated purposes. Employees in relevant positions sign confidentiality and non-competition agreements. Customer files are stored in classified categories, electronic documents are subject to encrypted management measures, and unauthorised dissemination, disclosure, or misuse is prohibited. At the same time, the Group regularly conducts information security training and has established an information management authority review mechanism to enhance employees' awareness of data protection.

質量體系部負責對《糾正預防措施處理表》及8D報告中所列整改措施的執行情況及有效性進行持續跟蹤，通常以周度為頻率開展驗證，在連續觀察無異常後方予以關閉。整改完成後，由銷售人員與客戶溝通確認改善結果，並將相關信息記錄歸檔。

為強化系統性改進，集團將所有投訴事項納入糾正預防措施台賬統一管理。重大或典型問題將在管理評審及質量例會上通報，並將問題根源反饋至研發、採購（供方管控）及生產（工藝與程序控制）等環節，必要時修訂FMEA、控制計畫及檢驗標準。通過批次驗證及客戶確認，形成從「客戶反饋－內部分析－整改落實－效果驗證－客戶確認」的閉環管理機制，不斷提升產品與服務質量水準。

信息安全與客戶隱私保護

集團高度重視客戶信息安全與隱私保護，將其視為維護客戶信任及企業聲譽的重要基礎。集團建立並實施《保密控制程序》，對客戶聯繫方式、訂單數據、投訴信息及相關業務數據實行專人管理及加密保存，嚴格執行分級授權及存取控制機制，僅限經授權人員查閱與使用。客戶信息僅用於訂單履行、售後服務及質量改進等合法用途，不得用於其他無關目的。相關崗位員工簽署保密及競業限制協定，客戶檔案實行分類存放，電子文檔採用加密管理措施，禁止未經授權外傳、洩露或濫用。同時，集團定期開展信息安全培訓，並建立信息管理許可權審核機制，強化員工數據保護意識。

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During the Reporting Period, there were no incidents of information leakage, loss, unauthorised use, or unauthorised disclosure.

Intellectual Property Protection and Management

The Group continues to increase its R&D investment in its core business areas, including clean energy, green building, and new materials. Intellectual property has become an important component of the Group's core competitiveness. The types of intellectual property owned by the Group include invention patents, utility model patents, software copyrights, and trademarks. The statistical scope covers the Group and its subsidiaries, with unified statistical calibers and rules to ensure data accuracy, completeness, and comparability.

The Group maintains an intellectual property register through the Shuifa Group Technology Management System. Each subsidiary assigns dedicated personnel responsible for real-time registration and dynamic updates, while the Group's Technology and Information Department conducts regular statistics and quarterly calculations. Patent data is aligned with the official database of the China National Intellectual Property Administration, with application volumes and grant volumes counted based on the filing date and the grant announcement date, respectively, and the number of valid patents counted according to the latest legal status of each patent. Software copyrights are counted based on the registration approval date.

To strengthen institutional safeguards, the Group has formulated Scientific and Technological Achievements and Intellectual Property Management Measures, which implement standardised lifecycle management for IP rights confirmation and registration, protection management, commercialisation of achievements, and promotion and application. The measures define the principles for determining the ownership of employment-related intellectual achievements, stipulating that employment-related achievements created using the Group's resources shall belong to the Group in accordance with the law, thereby providing an institutional basis for IP applications, protection, and commercialisation. On this basis, the Group has established a standardised application process, forming a closed-loop management mechanism covering achievement identification, application assessment, document submission, and subsequent follow-up, enhancing the efficiency and quality of IP rights confirmation.

報告期內，集團未發生信息洩露、丟失、違規使用或未經授權外傳等事件。

知識產權保護與管理

集團圍繞清潔能源、綠色建築及新型材料等核心業務領域持續加大研發投入，知識產權已成為集團核心競爭力的重要組成部分。集團擁有的知識產權類型包括發明專利、實用新型專利、軟體著作權及商標，統計範圍涵蓋集團及權屬公司，統一統計口徑與規則，確保數據真實、完整及可比。

集團依託水發集團科技管理系統建立知識產權台賬，各權屬公司專人負責即時登記與動態更新，集團科技信息部開展常態化統計與季度核算。其中，專利數據對接國家知識產權局官方數據庫，分別按受理日及授權公告日統計申請量與授權量，並根據專利最新法律狀態統計有效專利數量；軟體著作權按登記核准日進行統計。

為加強制度保障，集團制定《科技成果及知識產權管理辦法》，對知識產權確權登記、保護管理、成果轉化及推廣應用等實施全生命週期規範管理。制度明確職務智力成果的權屬界定原則，規定利用集團資源形成的職務成果依法歸屬於集團所有，為知識產權申請、保護及成果轉化提供制度依據。在此基礎上，集團建立標準化申請流程，形成包含成果挖掘、申請評估、材料報送及後續跟進的閉環管理機制，提升知識產權確權效率與質量。

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In terms of confidentiality and infringement prevention, the Group has implemented measures such as signing confidentiality agreements, standardising pre-application technology disclosure management, and strengthening confidentiality constraints on partners to prevent technology leakage or loss of novelty. At the same time, the Group has established an infringement tracking and tiered handling mechanism. Matters such as received infringement warnings, administrative penalties, or litigation notices are coordinated by the Group's Technology and Information Department for resolution, and are reported to management in accordance with established procedures, ensuring that infringement risks are identified and properly addressed in a timely manner. China Shuifa Singyes New Materials Holdings Co., Ltd., a subsidiary of the Group, has obtained the Intellectual Property Compliance Management System Certification, further strengthening its intellectual property compliance management capabilities.

During the Reporting Period, the Group did not experience any intellectual property infringement incidents.

Anti-corruption

The Group firmly opposes all forms of corruption and is committed to improving its anti-corruption system and fostering an honest and upright corporate culture. The Group strictly complies with relevant laws and regulations relating to bribery, corruption, extortion, fraud and money laundering, including Anti-Unfair Competition Law of the People's Republic of China, Anti-Money Laundering Law of the People's Republic of China, Anti-Monopoly Law of the People's Republic of China, and Criminal Law of the People's Republic of China. It clearly stipulates that employees must be dedicated to their duties, act with integrity, and shall not abuse their official powers to seek any improper benefits. During the Reporting Period, the Group was not aware of any situations about material violations of laws and regulations relating to bribery, corruption, extortion, fraud and money laundering which have a significant impact on the Group, nor did it have any concluded legal cases regarding corruption brought against the Group or its employees.

在保密與侵權防控方面，集團通過簽署保密協定、規範申請前技術披露管理及強化合作方保密約束等措施，防止技術洩露或新穎性喪失。同時建立侵權跟蹤與分級處置機制，收到的侵權警告、行政處罰或訴訟通知等事項，由集團科技信息部統籌協調處理，並按程序向管理層報告，確保侵權風險得到及時識別與妥善應對。集團權屬公司中國水發興業新材料控股有限公司已取得知識產權合規管理體系認證證書，進一步強化知識產權合規管理能力。

報告期內，集團未發生知識產權侵權事件。

反貪污

集團堅決反對一切形式的貪污腐敗行為，致力於健全反腐倡廉體系，營造風清氣正的企業氛圍。集團嚴格遵守《中華人民共和國反不正當競爭法》《中華人民共和國反洗錢法》《中華人民共和國反壟斷法》《中華人民共和國刑法》等有關防止賄賂、貪污、勒索、欺詐及洗黑錢方面的法律法規，明確規定員工必須忠於職守，廉潔奉公，不得利用職權謀取任何不當利益。報告期間，集團未發生任何因違反與防止賄賂、貪污、勒索、欺詐及洗黑錢相關的法律法規而對集團產生重大影響的情形，未發生對集團或其僱員提出並已審結的貪污腐敗訴訟案件。

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Management Measures

The Group adheres to the anti-corruption principle of addressing both symptoms and root causes, comprehensive governance, simultaneous punishment and prevention, with emphasis on prevention. The Group has formulated internal policies including the Responsibility System for the Construction of a Clean and Honest Party Conduct and the Integrity Communication System, strictly implements the primary responsibility for the construction of a clean and honest Party conduct, establishes and improves the anti-corruption system and working mechanism, and continuously strengthens the supervision, prevention and control of integrity risks. The Group has also established a clear conflict-of-interest avoidance mechanism, requiring that no employee of the Group shall have a direct superior-subordinate leadership relationship with relatives (including but not limited to spouse, immediate family members, close in-laws, and collateral relatives within three generations). The Group regularly reviews and evaluates the implementation of relevant policies and systems, as well as the operation of the integrity risk prevention and control system, to ensure their effectiveness and effectively prevent integrity risks.

The Group firmly believes that an honest and upright corporate culture is key to its sustained success, and places great emphasis on fostering such a culture. At least once a year, the Group provides anti-corruption training to its directors and employees, and from time to time circulates anti-corruption materials to them via email, ensuring that they fully understand their respective roles and responsibilities in business ethics including anti-corruption, and strengthening their professional integrity and awareness of honesty.

In addition, when engaging in business dealings with partners such as suppliers and customers, the Group signs integrity agreements with them, clearly conveying the requirements for compliant operations and integrity and self-discipline, and strengthening integrity supervision and management over partners, so as to foster a law-abiding, honest, efficient and clean business environment and prevent violations of laws and regulations.

管理措施

集團堅持貫徹標本兼治、綜合治理、懲防並舉、注重預防的反腐倡廉方針，制定了《黨風廉政建設責任制度》《廉政談話制度》等內部制度規範，嚴格落實黨風廉政建設主體責任，建立健全反腐倡廉體系與工作機制，持續強化廉潔風險監督防控。集團還建立了明確的利益衝突回避機制，要求集團員工不得與親屬（包括但不限於夫妻關係、直系血親關係、近姻親關係以及三代以內旁系血親等）建立直接的上下級領導關係。集團通過定期審查、檢討相關政策制度的執行情況以及廉政風險防控系統的運作情況，以確保其有效性，切實有效防範廉潔風險。

集團深信廉潔的企業文化是集團持續成功的關鍵，極為重視廉潔文化建設。集團至少每年一次向董事及員工提供反貪污腐敗方面的培訓，並不定期通過電郵向董事及員工致送反貪污腐敗方面的數據，以確保其充分了解在反貪污腐敗等商業道德方面的相應角色及責任，加強其職業操守與廉潔意識的培養。

此外，在與供應商、客戶等合作夥伴進行業務往來時，集團與其簽訂《廉潔協議書》，向其明確傳達合規經營、廉潔自律要求，並加強對合作夥伴的廉潔監督與管理，以營造守法誠信、廉潔高效的商業環境，防止發生違法違規行為。

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Whistleblowing Procedure

The Group has established a whistleblowing procedure, providing stakeholders including employees and partners with accessible channels such as a reporting email address and a reporting window within the office automation system, and encourages stakeholders to report any violations of business ethics or serious misconduct to the Group, either nominally or anonymously. The Group regularly reviews the effectiveness of the whistleblowing procedures and channels.

Upon receipt of a report, the Group will conduct an investigation and handle the matter in accordance with the state's provisions on the work procedures for handling complaints and reports from the discipline inspection and supervision authorities, and provide timely feedback to the whistleblower. For acts confirmed through investigation, the Group's management will impose disciplinary penalties or sanctions on the responsible personnel in accordance with internal policies, including but not limited to warnings, demerit records, and dismissal.

In addition, the Group maintains confidentiality regarding the identity of the whistleblower and the content of the report, and firmly opposes any acts of retaliation, so as to fully protect the rights and interests of whistleblowers.

Community Investment

While advancing its business development, the Group maintains communication and collaboration with communities where its projects are located. Through community co-development, project coordination, and volunteer services, the Group strengthens its ties with local authorities and community organisations, facilitating information exchange and resource sharing. For projects involving construction and operation, the Group maintains communication with relevant parties on the premise of legal compliance, paying attention to the impact of project implementation on surrounding communities.

舉報程序

集團建立了舉報程序，為員工、合作夥伴等持份者提供舉報郵箱、辦公系統舉報視窗等暢通便捷管道，鼓勵持份者向集團實名或匿名舉報任何違反商業道德的行為或嚴重失職行為。集團定期審查舉報程序與管道的有效性。

在接受到舉報後，集團將根據國家的紀檢監察機關信訪舉報工作程序規定進行調查處理，並向舉報人及時反饋。針對經調查核實的行為，集團管理層將依據內部規定對相關責任人員採取包括但不限於警告、記過、辭退等紀律處罰或處分措施。

此外，集團也會對舉報人身份及舉報內容採取保密措施，並堅決反對打擊報復行為，以充分保障舉報人權益。

社區投資

在推進業務發展的同時，集團關注與項目所在地社區的溝通與協作。集團通過社區共建、項目協同及志願服務等方式，加強與地方單位及社區組織的聯繫，促進信息交流與資源分享。對於涉及建設及運營的項目，集團在合法合規前提下，與相關方保持溝通，關注項目實施對周邊社區的影響。

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During the Reporting Period, the Group conducted more than 20 community co-development and exchange activities, driving 18 collaborative projects, including the 100MW Tianbao Town Photovoltaic Composite Project in Tai'an City, the Guangxi Wuxuan Distributed Photovoltaic Project, and the Angola Government Project. Throughout the relevant cooperation processes, the Group focused on establishing collaborative mechanisms with local authorities and communities to support the steady implementation of its projects.

At the same time, the Group encourages its employees to participate in volunteer services and public welfare activities. During the Reporting Period, the Group conducted nearly 30 volunteer service activities, including providing volunteer support services during the Fourth Plenary Session of the 20th Central Committee of the Communist Party of China, the September 3rd Military Parade (commemorating the 70th anniversary of the victory of the Chinese People's War of Resistance Against Japanese Aggression and the World Anti-Fascist War), the Fourth Ministerial Meeting of the China and the Community of Latin American and Caribbean States (CELAC) Forum, and the National People's Congress and the Chinese People's Political Consultative Conference (NPC & CPPCC) sessions ("Two Sessions"), as well as activities such as voluntary tree planting, typhoon relief, and patriotic health campaigns.

報告期內，集團開展20餘次社區共建及交流活動，帶動協同項目18個，包括泰安市天寶鎮100MW光伏複合項目、廣西武宣分散式光伏項目及安哥拉政府項目等。在相關合作過程中，集團注重與屬地單位及社區建立協作機制，支持項目穩步實施。

同時，集團鼓勵員工參與志願服務及公益活動。報告期內開展志願服務近30次，包括在黨的二十屆四中全會、九三閱兵、中國—拉美和加勒比國家共同體論壇第四屆部長級會議及全國兩會期間提供志願保障服務，以及開展義務植樹、抗擊颱風及愛國衛生等活動。



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APPENDIX 1: DATA OVERVIEW

附錄1：數據摘要

Key Performance Indicators – Environmental

關鍵績效指標－環境

Metrics 指標	Unit 單位	2023 2023年	2024 2024年	2025 2025年
GHG Emissions				
溫室氣體				
Scope 1 – Direct GHG emissions 範圍一：直接溫室氣體排放	tCO ₂ e 噸二氧化碳當量	80.52	144.65	241.22
Scope 2 – Indirect GHG emissions from energy 範圍二：能源間接溫室氣體排放		3,289.22	3,608.83	2,619.59
Total GHG emissions (Scope 1+ Scope 2) 溫室氣體排放總量(範圍一+範圍二)		3,369.74	3,753.48	2,860.81
Emission intensity 溫室氣體排放強度	tCO ₂ e/hundred-million CNY 噸二氧化碳當量／ 億元人民幣	/	/	72.89
Air Pollutants				
廢氣污染物				
NO _x emissions 氮氧化物(NO _x)排放量	kg 千克	143.09	35.99	291.86
SO _x emissions 硫氧化物(SO _x)排放量		0.34	0.46	1.52
PM emissions 懸浮顆粒物(PM)排放量		14.02	3.14	22.70
Total emissions of air pollutants 廢氣污染物排放總量		157.45	149.59	316.08
Air pollutant emission intensity 廢氣污染物排放強度	kg/hundred-million CNY 千克／億元人民幣	/	/	8.05
Waste				
廢棄物				
Hazardous waste generated 有害廢棄物產生量	Ton 噸	0.31	0.35	0.40
Hazardous waste density 有害廢棄物密度	Ton/hundred-million CNY 噸／億元人民幣	/	/	0.01
Non-hazardous waste generated 無害廢棄物產生量	Ton 噸	236.10	625.97	459.72
Non-hazardous waste density 無害廢棄物密度	Ton/hundred-million CNY 噸／億元人民幣	/	/	11.71

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Metrics 指標	Unit 單位	2023 2023年	2024 2024年	2025 2025年
Energy Consumption 能源利用				
Gasoline consumption 汽油消耗量	L 升	13,881.32	25,832.72	71,031.97
Diesel consumption 柴油消耗量	L 升	34,784.25	39,267.97	29,763.64
Purchased electricity 外購電力	MWh 兆瓦時	5,767.52	6,725.36	4,937.04
Comprehensive energy consumption 綜合能耗	MWh 兆瓦時	6,243.52	7,351.51	5,861.32
Energy consumption density 能源消耗密度	MWh/hundred-million CNY 兆瓦時／億元人民幣	/	/	149.33
Usage of Water Resources 水資源利用				
Total water consumption 總耗水量	m ³ 立方米	137,245.68	113,329.69	79,156.00
Water consumption density 耗水密度	m ³ /hundred-million CNY 立方米／億元人民幣	/	/	2,016.71
Product Material Consumption 產品物料消耗量				
Plastic products consumption 塑膠製品消耗量	Ton 噸	36.34	52.61	62.96
Other packaging materials consumption 其他包裝材料消耗量	Ton 噸	55.31	70.24	72.90
Total packaging materials consumption 總包裝材料消耗量	Ton 噸	91.64	122.85	135.86
Total packaging materials consumption intensity 總包裝材料消耗強度	Ton/hundred-million CNY 噸／億元人民幣	2.10	2.74	3.46

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Key Performance Indicators – Social

關鍵績效指標 – 社會

Metrics 指標	Unit 單位	2023 2023年	2024 2024年	2025 2025年
Employment				
僱傭				
Total employees 員工總數	Person 人	1,243	1,072	1,005
Full-time employees 全職員工		/	/	1,005
Part-time employees 兼職員工		/	/	0
Employee Composition by Gender				
員工性別分佈				
Male 男性	Person 人	866	754	704
Female 女性		377	318	301
Employee Composition by Age				
員工年齡分佈				
Under 30 30歲以下	Person 人	233	159	179
Between 30 and 50 30至50歲		878	781	717
Over 50 50歲以上		132	132	109
Employee Composition by Region				
員工地區分佈				
Hong Kong Special Administrative Region 香港特別行政區	Person 人	16	13	13
Mainland China 中國內地		1,227	1,059	991
Others 其他		/	/	1

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Metrics 指標	Unit 單位	2023 2023年	2024 2024年	2025 2025年
Employee Turnover Rate by Gender 員工流失比例(按性別)				
Male 男性	%	26	18	12
Female 女性		19	20	12
Employee Turnover Rate by Age 員工流失比例(按年齡組別)				
Under 30 30歲以下	%	40	31	22
Between 30 and 50 30至50歲		21	17	9
Over 50 50歲以上		17	14	16
Employee Turnover Rate by Geographical Region 員工流失比例(按地區)				
Mainland China 中國內地	%	24	19	12
Hong Kong Special Administrative Region 香港特別行政區		0	8	15
Others 其他		0	0	0
Health and safety 健康與安全				
Number of work-related fatalities 因工死亡人數	Person 人	0	0	0
Rate of work-related fatalities 因工死亡比率	%	0	0	0
Lost working hours due to work injury 因工傷損失工作時數	Hour 小時	1,856.00	2,376.50	951.00

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Metrics 指標	Unit 單位	2023 2023年	2024 2024年	2025 2025年
Development and Training 發展與培訓				
Percentage of Employees Trained by Category 分類型員工受訓比例				
Percentage of male employees trained 男性員工培訓比例	%	73.52	64.83	10.65
Percentage of female employees trained 女性員工培訓比例		26.48	35.17	27.24
Percentage of entry-level staff trained 初級人員培訓比例		22.83	46.61	100.00
Percentage of middle management trained 中級管理層培訓比例		46.12	27.54	100.00
Percentage of senior management trained 高級管理層培訓比例		31.05	25.85	100.00
Average Training Hours Completed per Employee by Gender and Employee Category 分類型員工平均受訓時數				
Average training hours completed per male employee 男性員工平均受訓時數	Hour 小時	15.62	5.93	5.88
Average training hours completed per female employee 女性員工平均受訓時數		12.92	8.78	6.37
Average training hours completed per entry-level staff 初級人員平均受訓時數		3.91	4.75	6.35
Average training hours completed per middle management 中級管理層平均受訓時數		84.84	31.02	6.56
Average training hours completed per senior management 高級管理層平均受訓時數		81.6	23.29	21.86

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Metrics 指標	Unit 單位	2023 2023年	2024 2024年	2025 2025年
Supply Chain Management				
供應鏈管理				
Number of Suppliers by Geographical Region				
按地區劃分的供應商數目				
Mainland China 中國內地	Entity 家	560	656	647
Others 其他地區		0	0	19
Supplier Audit				
供應商審核				
Total number of suppliers subject to the Company's audit during the reporting period 報告期內接受公司審核的供應商總數量	Entity 家	560	656	666
Percentage of suppliers subject to the Company's audit during the reporting period 報告期內接受公司審核的供應商比例	%	100	100	100
Product Responsibility				
產品責任				
Percentage of total products sold or shipped subject to recalls for safety and health reasons 產品召回與撤回的比例	%	0	0	0
Number of product- and service-related complaints received 投訴案例總數	Case 宗	0	0	0

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Metrics 指標	Unit 單位	2023 2023年	2024 2024年	2025 2025年
Anti-corruption 反貪污				
Number of concluded legal cases regarding corrupt practices brought against the issuer or its employees during the reporting period and the outcomes of the cases 公司報告期內與腐敗和賄賂相關的定罪的案件數量	Case 件	0	0	0
Community Investment 社區投資				
Charitable Contribution 慈善捐贈				
Total monetary resources contributed 慈善捐贈資金－總金額	Ten-thousand CNY 萬元人民幣	/	/	3.33
Number of Employee Volunteers 志願服務人數				
Total number of employee volunteers 志願服務人數－總人數	Person 人	27	100	309
Volunteering Hours 志願服務時數				
Total volunteering hours 志願服務時數－總時數	Hour 小時	12	46.5	320

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APPENDIX 2: ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORTING GUIDE INDEX

附錄2：《環境、社會及管治報告守則》索引

ESG Aspects ESG層面	General Disclosures and KPIs 一般披露及關鍵績效指標	Report Sections/Statement 報告章節／聲明
A.環境 A. Environmental		
Aspect A1: Emissions A1：排放物	General Disclosure 一般披露	Emissions 排放物
	KPI A1.1 關鍵績效指標A1.1	The types of emissions and respective emissions data. 排放物種類及相關排放數據。
	KPI A1.3 關鍵績效指標A1.3	Total hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility). 所產生有害廢棄物總量及密度。
	KPI A1.4 關鍵績效指標A1.4	Total non-hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility). 所產生無害廢棄物總量及密度。
	KPI A1.5 關鍵績效指標A1.5	Description of emission target(s) set and steps taken to achieve them. 描述所訂立的排放量目標及為達到這些目標所採取的步驟。
	KPI A1.6 關鍵績效指標A1.6	Description of how hazardous and non-hazardous wastes are handled, and a description of reduction target(s) set and steps taken to achieve them. 描述處理有害及無害廢棄物的方法，及描述所訂立的減廢目標及為達到這些目標所採取的步驟。

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ESG Aspects ESG層面	General Disclosures and KPIs 一般披露及關鍵績效指標		Report Sections/Statement 報告章節／聲明
Aspect A2: Use of Resources A2：資源使用	General Disclosure 一般披露		Use of Resources 資源使用
	KPI A2.1 關鍵績效指標A2.1	Direct and/or indirect energy consumption by type (e.g. electricity, gas or oil) in total (kWh in '000s) and intensity (e.g. per unit of production volume, per facility). 按類型劃分的直接及／或間接能源總耗量及密度。	Data Overview 數據摘要
	KPI A2.2 關鍵績效指標A2.2	Water consumption in total and intensity (e.g. per unit of production volume, per facility). 總耗水量及密度。	Data Overview 數據摘要
	KPI A2.3 關鍵績效指標A2.3	Description of energy use efficiency target(s) set and steps taken to achieve them. 描述所訂立的能源使用效益目標及為達到這些目標所採取的步驟。	Use of Resources 資源使用
	KPI A2.4 關鍵績效指標A2.4	Description of whether there is any issue in sourcing water that is fit for purpose, water efficiency target(s) set and steps taken to achieve them. 描述尋求適用水源上可有任何問題，以及所訂立的用水效益目標及為達到這些目標所採取的步驟。	Use of Resources 資源使用
	KPI A2.5 關鍵績效指標A2.5	Total packaging material used for finished products (in tonnes) and, if applicable, with reference to per unit produced. 製成品所用包裝材料的總量及每生產單位估量。	Data Overview 數據摘要

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ESG Aspects ESG層面	General Disclosures and KPIs 一般披露及關鍵績效指標		Report Sections/Statement 報告章節／聲明
Aspect A3: The Environment and Natural Resources A3：環境及天然資源	General Disclosure 一般披露		The Environment and Natural Resources 環境及天然資源
	KPI A3.1 關鍵績效指標A3.1	Description of the significant impacts of activities on the environment and natural resources and the actions taken to manage them. 描述業務活動對環境及天然資源的重大影響及已採取管理有關影響的行動。	The Environment and Natural Resources 環境及天然資源
B. Social B.社會			
Employment and Labour Practices 僱傭及勞工常規			
Aspect B1: Employment B1：僱傭	General Disclosure 一般披露		Employment 僱傭
	KPI B1.1 關鍵績效指標B1.1	Total workforce by gender, employment type (for example, full- or part-time), age group and geographical region. 按性別、僱傭類型、年齡組別及地區劃分的僱員總數。	Data Overview 數據摘要
	KPI B1.2 關鍵績效指標B1.2	Employee turnover rate by gender, age group and geographical region. 按性別、年齡組別及地區劃分的僱員流失比率。	Data Overview 數據摘要

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ESG Aspects ESG層面	General Disclosures and KPIs 一般披露及關鍵績效指標		Report Sections/Statement 報告章節／聲明
Aspect B2: Health and Safety B2：健康與安全	General Disclosure 一般披露		Health and Safety 健康與安全
	KPI B2.1 關鍵績效指標B2.1	Number and rate of work-related fatalities occurred in each of the past three years including the reporting year. 過去三年每年因工傷亡的人數及比率。	Data Overview 數據摘要
	KPI B2.2 關鍵績效指標B2.2	Lost days due to work injury. 因工傷損失工作日數。	Data Overview 數據摘要
	KPI B2.3 關鍵績效指標B2.3	Description of occupational health and safety measures adopted, and how they are implemented and monitored. 描述所採納的職業健康與安全措施，以及相關執行及監察方法。	Health and Safety 健康與安全
Aspect B3: Development and Training B3：發展及培訓	General Disclosure 一般披露		Development and Training 發展與培訓
	KPI B3.1 關鍵績效指標B3.1	The percentage of employees trained by gender and employee category (e.g. senior management, middle management). 按性別及僱員類別劃分的受訓僱員百分比。	Data Overview 數據摘要
	KPI B3.2 關鍵績效指標B3.2	The average training hours completed per employee by gender and employee category. 按性別及僱員類別劃分，每名僱員完成受訓的平均時數。	Data Overview 數據摘要

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ESG Aspects ESG層面	General Disclosures and KPIs 一般披露及關鍵績效指標		Report Sections/Statement 報告章節／聲明
Aspect B4: Labour Standards B4：勞工準則	General Disclosure 一般披露		Labour Standards 勞工準則
	KPI B4.1 關鍵績效指標B4.1	Description of measures to review employment practices to avoid child and forced labour. 描述檢討招聘慣例的措施以避免童工及強制勞工。	Labour Standards 勞工準則
	KPI B4.2 關鍵績效指標B4.2	Description of steps taken to eliminate such practices when discovered. 描述在發現違規情況時消除有關情況所採取的步驟。	Labour Standards 勞工準則
	Operating Practices 營運慣例		
Aspect B5: Supply Chain Management B5：供應鏈管理	General Disclosure 一般披露		Supply Chain Management 供應鏈管理
	KPI B5.1 關鍵績效指標B5.1	Number of suppliers by geographical region. 按地區劃分的供應商數目。	Data Overview 數據摘要
	KPI B5.2 關鍵績效指標B5.2	Description of practices relating to engaging suppliers, number of suppliers where the practices are being implemented, and how they are implemented and monitored. 描述有關聘用供應商的慣例，向其執行有關慣例的供應商數目，以及相關執行及監察方法。	Supply Chain Management 供應鏈管理 Data Overview 數據摘要

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ESG Aspects ESG層面	General Disclosures and KPIs 一般披露及關鍵績效指標		Report Sections/Statement 報告章節／聲明
Aspect B6: Product Responsibility B6：產品責任	KPI B5.3 關鍵績效指標B5.3	Description of practices used to identify environmental and social risks along the supply chain, and how they are implemented and monitored. 描述有關識別供應鏈每個環節的環境及社會風險的慣例，以及相關執行及監察方法。	Supply Chain Management 供應鏈管理
	KPI B5.4 關鍵績效指標B5.4	Description of practices used to promote environmentally preferable products and services when selecting suppliers, and how they are implemented and monitored. 描述在揀選供應商時促使多用環保產品及服務的慣例，以及相關執行及監察方法。	Supply Chain Management 供應鏈管理
	General Disclosure 一般披露		Product Responsibility 產品責任
	KPI B6.1 關鍵績效指標B6.1	Percentage of total products sold or shipped subject to recalls for safety and health reasons. 已售或已運送產品總數中因安全與健康理由而須回收的百分比。	Data Overview 數據摘要
	KPI B6.2 關鍵績效指標B6.2	Number of products and service related complaints received and how they are dealt with. 接獲關於產品及服務的投訴數目以及應對方法。	Product Responsibility 產品責任 Data Overview 數據摘要
	KPI B6.3 關鍵績效指標B6.3	Description of practices relating to observing and protecting intellectual property rights. 描述與維護及保障知識產權有關的慣例。	Product Responsibility 產品責任

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ESG Aspects ESG層面	General Disclosures and KPIs 一般披露及關鍵績效指標	Report Sections/Statement 報告章節／聲明
	KPI B6.4 關鍵績效指標B6.4 Description of quality assurance process and recall procedures. 描述質量保證過程及產品回收程序。	Product Responsibility 產品責任
	KPI B6.5 關鍵績效指標B6.5 Description of consumer data protection and privacy policies, and how they are implemented and monitored. 描述消費者數據保障及隱私政策，以及相關執行及監察方法。	Product Responsibility 產品責任
Aspect B7: Anti-corruption B7：反貪污	General Disclosure 一般披露 Anti-corruption 反貪污	Anti-corruption 反貪污
	KPI B7.1 關鍵績效指標B7.1 Number of concluded legal cases regarding corrupt practices brought against the issuer or its employees during the reporting period and the outcomes of the cases 於彙報期內對發行人或其僱員提出並已審結的貪污訴訟案件的數目及訴訟結果。	Anti-corruption 反貪污 Data Overview 數據摘要
	KPI B7.2 關鍵績效指標B7.2 Description of preventive measures and whistle-blowing procedures, and how they are implemented and monitored. 描述防範措施及舉報程序，以及相關執行及監察方法。	Anti-corruption 反貪污
	KPI B7.3 關鍵績效指標B7.3 Description of anti-corruption training provided to directors and staff. 描述向董事及員工提供的反貪污培訓。	Anti-corruption 反貪污

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ESG Aspects ESG層面	General Disclosures and KPIs 一般披露及關鍵績效指標		Report Sections/Statement 報告章節／聲明
Community 社區			
Aspect B8: Community Investment B8：社區投資	General Disclosure 一般披露		Community Investment 社區投資
	KPI B8.1 關鍵績效指標B8.1	Focus areas of contribution (e.g. education, environmental concerns, labour needs, health, culture, sport). 專注貢獻範疇。	Community Investment 社區投資 Data Overview 數據摘要
	KPI B8.2 關鍵績效指標B8.2	Resources contributed (e.g. money or time) to the focus area. 在專注範疇所動用資源。	Community Investment 社區投資 Data Overview 數據摘要
Part D: Climate-related Disclosures D部分：氣候相關披露			
Climate-related Disclosures 氣候相關披露	(I)	Governance 管治	Climate Change 氣候變化
	(II)	Strategy 策略	Climate Change 氣候變化
	(III)	Risk Management 風險管理	Climate Change 氣候變化
	(IV)	Metrics and Targets 指標及目標	Climate Change 氣候變化

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APPENDIX 3: IFRS S1 AND IFRS S2 INDEX

附錄3：IFRS S1、S2準則索引

IFRS S1

IFRS S1

Core Elements 核心要素	Disclosure Recommendations 披露建議	Disclosure Placement 披露位置
Governance 治理	a) The governance body(s) (which can include aboard, committee or equivalent body charged with governance) or individual(s) responsible for oversight of sustainability-related risks and opportunities. a) 負責監督可持續相關風險和機遇的治理機構（包括董事會、委員會或負責治理的同等機構）或個人。 b) Management's role in the governance processes, controls and procedures used to monitor, manage and oversee sustainability-related risks and opportunities. b) 管理層在監控、管理和監督可持續相關風險和機遇的治理流程、控制和程序中所發揮的作用。	Environmental, Social and Governance Policies 環境、社會及管治方針 Climate Change 氣候變化 Environmental, Social and Governance Policies 環境、社會及管治方針 Climate Change 氣候變化
Strategy 戰略	a) The sustainability-related risks and opportunities that could reasonably be expected to affect the entity's prospects within the time horizons – short, medium or long term. a) 實體在短期、中期或長期時間範圍內可合理預期會影響實體發展前景的可持續相關風險和機遇。	Materiality Management 重要性議題管理 Climate Change 氣候變化

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Core Elements 核心要素	Disclosure Recommendations 披露建議	Disclosure Placement 披露位置
	b) The current and anticipated effects of sustainability-related risks and opportunities on the entity's business model and value chain, and where in the entity's business model and value chain sustainability-related risks and opportunities are concentrated b) 可持續相關風險和機遇對實體的業務模式和價值鏈的當前和預期影響，以及可持續相關風險和機遇在實體業務模式和價值鏈中所集中的環節。	Materiality Management 重要性議題管理 Climate Change 氣候變化
	c) How the entity has responded to, and plans to respond to, sustainability-related risks and opportunities in its strategy and decision-making, and the progress against plans the entity has disclosed in previous reporting periods, including quantitative and qualitative information, and trade-offs between sustainability-related risks and opportunities that the entity considered. c) 實體在其戰略和決策中如何應對或計畫應對可持續相關風險和機遇，並披露計畫進度的定量和定性信息，以及實體如何權衡可持續相關風險和機遇。	Materiality Management 重要性議題管理 Climate Change 氣候變化

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Core Elements 核心要素	Disclosure Recommendations 披露建議	Disclosure Placement 披露位置
	d) The quantitative and qualitative effects of sustainability-related risks and opportunities on the entity's financial position, financial performance and cash flows for the reporting period, and the sustainability-related risks and opportunities identified for which there is a significant risk of a material adjustment within the next annual reporting period to the carrying amounts of assets and liabilities reported in the related financial statements, and how the entity expects its financial position, financial performance and cash flows to change over the short, medium and long term, given its strategy to manage sustainability-related risks and opportunities. d) 可持續相關風險和機遇在報告期內對實體的財務狀況、財務業績和現金流量的定量及定性影響，並識別將對下一報告年度的資產和負債帳面金額產生重大影響的可持續相關風險和機遇；基於實體為管理可持續相關風險和機遇所採取的戰略，預期財務狀況、財務業績和現金流量在短期、中期和長期將如何發生變化。	Materiality Management 重要性議題管理 Climate Change 氣候變化
	e) The resilience of the entity's strategy and its business model to those sustainability-related risks. e) 實體的戰略和業務模式對可持續相關風險的應對韌性。	Materiality Management 重要性議題管理 Climate Change 氣候變化

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環境、社會及管治報告

Core Elements 核心要素	Disclosure Recommendations 披露建議	Disclosure Placement 披露位置
Risk Management 風險管理	a) The processes and related policies the entity uses to identify, assess, prioritize and monitor sustainability-related risks, including information about: the inputs and parameters the entity uses · whether and how the entity uses scenario analysis to inform its identification of sustainability-related risks, whether and how the entity prioritizes sustainability-related risks, how the entity assesses the nature, likelihood and magnitude of the effects of those risks.	Materiality Management 重要性議題管理 Climate Change 氣候變化
	a) 實體用於識別、評估、優先考慮和監控可持續相關風險的流程和政策，包括使用的輸入值和參數、是否以及如何使用情景分析來幫助識別可持續相關風險、是否以及如何優先考慮可持續相關風險、如何評估風險影響的性質、可能性和影響程度等。	
	b) The processes the entity uses to identify, assess, prioritize and monitor sustainability-related opportunities, including: whether and how the entity uses scenario analysis to inform its identification of sustainability-related opportunities.	Materiality Management 重要性議題管理 Climate Change 氣候變化
	b) 實體用於識別、評估、優先考慮和監控可持續相關機遇的流程，包括是否以及如何使用情景分析來幫助識別可持續相關機遇。	
	c) The extent to which, and how, the processes the entity uses to identify, assess, prioritize and monitor sustainability-related risks and opportunities are integrated into and inform the entity's overall risk management process.	Materiality Management 重要性議題管理 Climate Change 氣候變化
	c) 實體用於識別、評估、優先考慮和監控可持續相關風險和機遇的流程在多大程度上以及如何納入實體的整體風險管理流程。	

ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORT

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Core Elements 核心要素	Disclosure Recommendations 披露建議	Disclosure Placement 披露位置
指標和目標 Metrics and Targets	a) Metrics required by an applicable IFRS Sustainability Disclosure Standard. a) 適用的國際財務報告可持續披露準則要求的指標。 b) Metrics the entity uses to measure and monitor sustainability-related risks or opportunities and its performance in relation to that sustainability-related risk or opportunity. b) 實體用來衡量和監控可持續相關風險或機遇，以及實體的可持續相關風險或機遇績效表現的指標。 c) Any targets the entity has set it is required to meet by law or regulation. c) 實體設定的或法律法規要求的目標。	Climate Change 氣候變化 Climate Change 氣候變化 Climate Change 氣候變化

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IFRS S2

Core Elements

核心要素

Governance

治理

Disclosure Recommendations

披露建議

- a) The governance body(s) (which can include a board, committee or equivalent body charged with governance) or individual(s) responsible for oversight of climate-related risks and opportunities.
- a) 負責監督氣候相關風險和機遇的治理機構（包括董事會、委員會或負責治理的同等機構）或個人。
- b) Management's role in the governance processes, controls and procedures used to monitor, manage and oversee climate-related risks and opportunities.
- b) 管理層在監控、管理和監督氣候相關風險和機遇的治理流程、控制和程序中所發揮的作用。

Strategy

戰略

- a) The climate-related risks and opportunities that could reasonably be expected to affect the entity's prospects within time horizons – short, medium or long term, whether the entity considers the risk to be a climate-related physical risk or climate-related transition risk.
- a) 實體在短期、中期或長期時間範圍內可合理預期會影響實體發展前景的氣候相關風險（識別物理風險或轉型風險）和機遇。

IFRS S2

Disclosure Placement

披露位置

Environmental, Social and Governance Policies
環境、社會及管治方針
Climate Change
氣候變化

Environmental, Social and Governance Policies
環境、社會及管治方針
Climate Change
氣候變化

Materiality Management
重要性議題管理
Climate Change
氣候變化

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Core Elements 核心要素	Disclosure Recommendations 披露建議	Disclosure Placement 披露位置
	b) The current and anticipated effects of climate-related risks and opportunities on the entity's business model and value chain, and where in the entity's business model and value chain climate-related risks and opportunities are concentrated. b) 與氣候相關的風險和機遇對實體的業務模式和價值鏈的當前和預期影響，以及氣候相關風險和機遇在實體業務模式和價值鏈中所集中的環節。	Materiality Management 重要性議題管理 Climate Change 氣候變化
	c) Information about how the entity has responded to, and plans to respond to, climate-related risks and opportunities in its strategy and decision-making, including how the entity sets targets, how the entity is resourcing and quantitative and qualitative information about the disclosed progress of plans. c) 實體在其戰略和決策中如何應對或計畫應對氣候相關風險和機遇,包括設立目標、配置資源、以及披露計畫進度的定量或定性信息。	Materiality Management 重要性議題管理 Climate Change 氣候變化

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環境、社會及管治報告

Core Elements

核心要素

Disclosure Recommendations

披露建議

Disclosure Placement

披露位置

- | | | |
|----|--|---|
| d) | <p>The quantitative and qualitative effects of those climate-related risks and opportunities on the entity's financial position, financial performance and cash flows for the reporting period, the climate-related risks and opportunities identified in paragraph 16(a) for which there is a significant risk of a material adjustment within the next annual reporting period to the carrying amounts of assets and liabilities reported in the related financial statements, and how the entity expects its financial position, financial performance and cash flows to change over the short, medium and long term, given its strategy to manage climate-related risks and opportunities.</p> | <p>Materiality Management
重要性議題管理
Climate Change
氣候變化</p> |
| d) | <p>與氣候有關的風險和機遇在報告期內對實體的財務狀況、財務業績和現金流量的定量及定性影響，並識別將對下一報告年度的資產和負債帳面金額產生重大影響的氣候相關風險和機遇；基於實體為管理氣候相關風險和機遇所採取的戰略，預期財務狀況、財務業績和現金流量在短期、中期和長期將如何發生變化。</p> | |

ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORT

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Core Elements 核心要素	Disclosure Recommendations 披露建議	Disclosure Placement 披露位置
	e) The entity's assessment of its climate resilience, including the entity's assessment for its strategy and business model, the significant areas of uncertainty considered in the entity's assessment of its climate resilience and the entity's capacity to adjust or adapt its strategy and business model to climate change over the short, medium and long term. The entity shall use climate-related scenario analysis to assess its climate resilience and disclose how and when the climate-related scenario analysis was carried out, including information about the inputs the entity used, the key assumptions the entity made in the analysis and the reporting period in which the climate-related scenario analysis was carried out. e) 實體氣候韌性的分析結果，包括分析結果對其戰略和商業模式的影響，在分析過程中考慮的重大不確定性領域，以及實體在短期、中期和長期調整其戰略和商業模式以適應氣候變化的能力；實體應結合實際採用情景分析方法評估其氣候應對韌性，並披露如何以及何時開展情景分析，以及使用的輸入值、做出的關鍵假設和報告期間等。	Materiality Management 重要性議題管理 Climate Change 氣候變化

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Core Elements 核心要素	Disclosure Recommendations 披露建議	Disclosure Placement 披露位置
Risk Management 風險管理	a) The processes and related policies the entity uses to identify, assess, prioritize and monitor climate-related risks, including information about: the inputs and parameters the entity uses, whether and how the entity uses climate-related scenario analysis to inform its identification of climate-related risks, whether and how the entity prioritizes climate-related risks, how the entity assesses the nature, likelihood and magnitude of the effects of those risks. a) 實體用於識別、評估、優先考慮和監控氣候相關風險的流程和相關政策，包括使用的輸入值和參數、是否以及如何使用氣候情景分析來幫助識別氣候相關風險、是否以及如何優先考慮氣候相關風險、如何評估風險影響的性質、可能性和影響程度等。 b) The processes the entity uses to identify, assess, prioritize and monitor climate-related opportunities, including information about whether and how the entity uses climate-related scenario analysis to inform its identification of climate-related opportunities. b) 實體用於識別、評估、優先考慮和監控氣候相關機遇的流程，包括是否以及如何使用氣候情景分析來幫助識別氣候相關機遇。 c) The extent to which, and how, the processes for identifying, assessing, prioritizing and monitoring climate-related risks and opportunities are integrated into and inform the entity's overall risk management process. c) 實體用於識別、評估、優先考慮和監控氣候相關風險和機遇的流程在多大程度上以及如何納入實體的整體風險管理流程。	Materiality Management 重要性議題管理 Climate Change 氣候變化 Materiality Management 重要性議題管理 Climate Change 氣候變化 Materiality Management 重要性議題管理 Climate Change 氣候變化

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Core Elements 核心要素	Disclosure Recommendations 披露建議	Disclosure Placement 披露位置
Metrics and Targets 指標和目標	a) The cross-industry metric categories of greenhouse gas emissions, internal carbon prices, the percentage of executive management remuneration recognized in the current period that is linked to climate-related considerations, capital deployment towards climate-related risks and opportunities, the amount and percentage of assets or business activities vulnerable to climate-related risks and opportunities.	Climate Change 氣候變化
	a) 跨行業指標，包括溫室氣體排放情況、內部碳價格、將氣候相關因素納入高級管理人員薪酬方案、針對氣候相關風險和機遇的資本配置、易受氣候相關風險與機遇影響的資產或業務活動的數量、總額和百分比等。	
	b) Industry-based metrics that are associated with one or more particular business models, activities or other common features that characterize participation in an industry.	Climate Change 氣候變化
	b) 行業特定指標，包括與一個或多個特定商業模式、經濟活動和其他表明實體參與某一行業的共同特徵相關的行業特定指標。	
	c) The quantitative and qualitative climate-related targets the entity has set or it is required to meet by law or regulation, progress towards reaching the target, information about its performance, and each greenhouse gas emissions target.	Climate Change 氣候變化
	c) 實體設定的或法律法規要求的氣候相關定量或定性目標、目標實現進展情況、業績信息，以及關於溫室氣體排放目標的具體內容。	



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