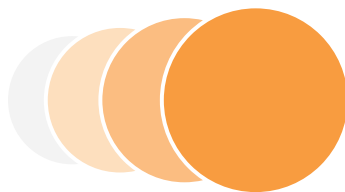


*Hong Kong Exchanges and Clearing Limited and The Stock Exchange of Hong Kong Limited take no responsibility for the contents of this announcement, make no representation as to its accuracy or completeness and expressly disclaim any liability whatsoever for any loss howsoever arising from or in reliance upon the whole or any part of the contents of this announcement.*



GOLDEN SOLAR

**GOLDEN SOLAR NEW ENERGY TECHNOLOGY HOLDINGS LIMITED**

**金陽新能源科技控股有限公司**

*(Incorporated in the Cayman Islands with limited liability)*

**(Stock Code: 1121)**

**ANNUAL RESULTS ANNOUNCEMENT  
FOR THE YEAR ENDED 31 DECEMBER 2024**

The board (the “Board”) of directors (the “Directors”) of Golden Solar New Energy Technology Holdings Limited (the “Company”) announces the audited consolidated results of the Company and its subsidiaries (collectively referred to as the “Group”) for the year ended 31 December 2024, together with the comparative figures for 2023 and the relevant explanatory notes as set out below.

# CONSOLIDATED STATEMENT OF PROFIT OR LOSS AND OTHER COMPREHENSIVE INCOME

For the year ended 31 December 2024

		2024	2023
	Notes	RMB'000	RMB'000
<b>REVENUE</b>	4	<b>253,514</b>	295,348
Cost of sales		<u>(220,580)</u>	<u>(252,443)</u>
<b>GROSS PROFIT</b>		<b>32,934</b>	42,905
Other net income and gains	4	<b>16,475</b>	15,660
Reversal of impairment loss/(impairment loss) on trade receivables		<b>245</b>	(337)
Selling and distribution expenses		<b>(25,325)</b>	(24,814)
General and administrative expenses		<b>(221,595)</b>	(257,115)
Impairment loss on property, plant and equipment		<b>(3,382)</b>	(2,307)
Impairment loss on inventories		<b>(7,065)</b>	(9,255)
Research and development costs		<b>(60,226)</b>	(83,352)
Amortisation of intangible assets		<b>(16)</b>	(460)
Finance costs	5	<b>(8,139)</b>	(5,154)
Fair value (loss)/gain on financial (liabilities)/assets at fair value through profit or loss		<b>(315)</b>	608
Fair value gain/(loss) on investment properties	10	<u><b>378</b></u>	<u>(208)</u>
<b>LOSS BEFORE TAX</b>	6	<b>(276,031)</b>	(323,829)
Income tax expense	7	<u><b>(1,376)</b></u>	<u>(2,551)</u>
<b>LOSS FOR THE YEAR AND TOTAL COMPREHENSIVE EXPENSES FOR THE YEAR ATTRIBUTABLE TO OWNERS OF THE COMPANY</b>		<u><b>(277,407)</b></u>	<u><b>(326,380)</b></u>
<b>LOSS PER SHARE</b>	9		
– Basic (RMB cent)		<u><b>(15.294)</b></u>	<u>(18.400)</u>
– Diluted (RMB cent)		<u><b>(15.294)</b></u>	<u>(18.400)</u>

# CONSOLIDATED STATEMENT OF FINANCIAL POSITION

As at 31 December 2024

	Notes	2024 RMB'000	2023 RMB'000
<b>NON-CURRENT ASSETS</b>			
Property, plant and equipment		209,520	203,964
Investment properties	10	66,421	66,043
Right-of-use assets		51,329	71,087
Intangible assets		22	38
		<u>327,292</u>	<u>341,132</u>
<b>CURRENT ASSETS</b>			
Inventories		118,369	138,183
Trade and bills receivables	11	144,295	155,321
Prepayments, deposits and other receivables		74,364	83,570
Financial assets at fair value through profit or loss		–	720
Pledged deposits		–	2,426
Cash and bank balances		31,861	142,643
		<u>368,889</u>	<u>522,863</u>
<b>CURRENT LIABILITIES</b>			
Trade and bills payables	12	71,890	79,592
Deposits received, other payables and accruals		61,521	47,589
Short-term borrowings	13	100,200	100,200
Contract liabilities		14,096	8,751
Deferred income		3,159	3,386
Lease liabilities		26,014	21,424
Financial liabilities at fair value through profit or loss		231	–
Income tax payable		533	400
		<u>277,644</u>	<u>261,342</u>
<b>NET CURRENT ASSETS</b>		<u>91,245</u>	<u>261,521</u>
<b>TOTAL ASSETS LESS CURRENT LIABILITIES</b>		<u>418,537</u>	<u>602,653</u>
<b>NON-CURRENT LIABILITIES</b>			
Deferred income		6,027	9,187
Lease liabilities		25,631	47,279
Deferred tax liability		4,493	5,193
		<u>36,151</u>	<u>61,659</u>
<b>NET ASSETS</b>		<u>382,386</u>	<u>540,994</u>
<b>EQUITY</b>			
Share capital	14	120,790	120,960
Reserves		261,596	420,034
<b>TOTAL EQUITY</b>		<u>382,386</u>	<u>540,994</u>

## NOTES:

### 1. CORPORATE INFORMATION

The Company is a limited liability company incorporated in the Cayman Islands. The registered office address of the Company is Cricket Square, Hutchins Drive, P.O. Box 2681, Grand Cayman KY1-1111, Cayman Islands. The Company's principal places of business are located in Huoju Industrial Zone, Jiangnan Town, Licheng District, Quanzhou City, Fujian Province, the People's Republic of China ("PRC") and Room 504, 5/F, OfficePlus @Sheung Wan, 93-103 Wing Lok Street, Sheung Wan, Hong Kong. The ordinary shares of the Company ("Shares") were listed on the Main Board of The Stock Exchange of Hong Kong Limited (the "Stock Exchange") on 28 January 2011.

The principal activity of the Company is investment holding. The Group is engaged in the manufacture and sale of slippers, sandals, casual footwear, graphene-based ethylene-vinyl acetate ("EVA") foam material ("Graphene-based EVA Foam Material") and slippers ("Graphene-based Slippers"), graphene deodorizing and sterilizing chips for air purifiers and air conditioners ("Sterilizing Chips"), graphene air sterilizers, cast monocrystalline silicon ("Cast-mono") wafers, Cast-mono heterojunction ("HJT") solar cells and modules, hybrid passivation back contact ("HBC") solar cells, HBC flexible modules and bendable solar awnings.

In the opinion of the Directors, the immediate holding company and the ultimate holding company of the Company are Best Mark International Limited and Market Dragon Investments Limited, respectively, which were incorporated in the British Virgin Islands. Their ultimate controlling party is Mr. Chiu Hsin-Wang.

### 2. BASIS OF PREPARATION

The consolidated financial statements have been prepared in accordance with all applicable International Financial Reporting Standards ("IFRSs"), which collective term includes all applicable individual IFRSs, International Accounting Standards ("IASs") and Interpretations issued by the International Accounting Standards Board ("IASB"). In addition, the consolidated financial statements include applicable disclosures required by the Rules Governing the Listing of Securities on the Stock Exchange (the "Listing Rules") and the Hong Kong Companies Ordinance.

The Group has applied the following new or amendments to revised IFRSs, which include IFRSs and IASs issued by the IASB for the first time in the current year.

#### **New or amendments to IFRSs that are mandatorily effective for the current year**

Amendments to IFRS 16	Lease Liability in a Sale and Leaseback
Amendments to IAS 1	Classification of Liabilities as Current or Non-current (the "2020 Amendments")
Amendments to IAS 1	Non-current Liabilities with Covenants
Amendments to IAS 7 and IFRS 7	Supplier Finance Arrangements

The Directors consider that the application of the new or amendments to IFRSs in the current year has no material impact on the Group's financial performance and positions for the current and prior years and/or on the disclosures set out in these consolidated financial statements.

## 2. BASIS OF PREPARATION *(continued)*

### **New or amendments to IFRSs in issue but not yet effective**

The Group has not early applied the following new or amendments to IFRSs that have been issued but are not yet effective:

IFRS 18	Presentation and Disclosure in Financial Statements <sup>3</sup>
IFRS 19	Subsidiaries without Public Accountability: Disclosures <sup>3</sup>
Amendments to IFRS 9 and IFRS 7	Amendments to the Classification and Measurement of Financial Instruments <sup>2</sup>
Amendments to IFRS 9 and IFRS 7	Contracts Referencing Nature-dependent Electricity <sup>2</sup>
Amendments to IFRS 10 and IAS 28	Sale or Contribution of Assets between an Investor and its Associate or Joint Venture <sup>4</sup>
Amendments to IAS 21	Lack of Exchangeability <sup>1</sup>
Annual Improvements to IFRS Accounting Standards – Volume 11	Amendments to IFRS 1, IFRS 7, IFRS 9, IFRS 10 and IAS 7 <sup>2</sup>

<sup>1</sup> Effective for annual periods beginning on or after 1 January 2025.

<sup>2</sup> Effective for annual periods beginning on or after 1 January 2026.

<sup>3</sup> Effective for annual periods beginning on or after 1 January 2027.

<sup>4</sup> No mandatory effective date yet determined but available for adoption.

The Directors anticipate that the application of the new or amendments to IFRSs will have no material impact on the consolidated financial statements in the foreseeable future.

## 3. SEGMENT INFORMATION

Information reported to the Directors, being the chief operating decision maker (the “CODM”), for the purposes of resource allocation and assessment of segment performance, focuses on types of goods or services delivered or provided. Specifically, the Group’s reportable and operating segments are as follows:

- (a) the Boree branded products segment manufactures and sells Boree branded slippers, sandals and casual footwear (“Boree Products”);
- (b) the graphene-based products segment applied the technology know-how by applying graphene in the production of Graphene-based EVA Foam Material, Graphene-based Slippers, Sterilizing Chips and graphene air sterilizers (collectively as “Graphene-based Products”) and the provision of service;
- (c) the Original Equipment Manufacturer (“OEM”) segment produces slippers for branding and resale by others; and
- (d) the photovoltaic products segment manufactures and sells Cast-mono wafers, Cast-mono HJT solar cells and modules, HBC solar cells, HBC flexible modules and bendable solar awnings (collectively as “Photovoltaic Products”).

### 3. SEGMENT INFORMATION *(continued)*

The CODM monitors the results of the Group's operating segments separately for the purpose of making decisions about resource allocation and performance assessment. Segment performance is evaluated based on reportable segment result, which is a measure of adjusted result before tax.

The segment profit or loss represents the profit earned by or loss from each segment without allocation of interest income, other unallocated net income and gains, reversal of impairment loss/(impairment loss) on trade receivables, fair value (loss)/gain on financial (liabilities)/assets at fair value through profit or loss ("FVTPL"), fair value change on investment properties, finance costs as well as corporate and other unallocated expenses.

#### Year ended 31 December 2024

	<b>Boree Products RMB'000</b>	<b>Graphene- based Products RMB'000</b>	<b>OEM RMB'000</b>	<b>Photovoltaic Products RMB'000</b>	<b>Total RMB'000</b>
<b>Segment revenue</b>					
Sales and provision of service	<u>4,082</u>	<u>4,638</u>	<u>206,218</u>	<u>38,576</u>	<u>253,514</u>
<b>Segment results</b>	<u>(1,031)</u>	<u>1,113</u>	<u>28,820</u>	<u>(102,910)</u>	<u>(74,008)</u>
<i>Reconciliation:</i>					
Interest income					1,397
Other unallocated net income and gains					14,078
Reversal of impairment loss on trade receivables					245
Corporate and other unallocated expenses					(209,667)
Fair value loss on financial liabilities at FVTPL					(315)
Fair value gain on investment properties					378
Finance costs					<u>(8,139)</u>
Loss before tax					<u><u>(276,031)</u></u>

### 3. SEGMENT INFORMATION *(continued)*

#### Year ended 31 December 2023

	Boree Products <i>RMB'000</i>	Graphene- based Products <i>RMB'000</i>	OEM <i>RMB'000</i>	Photovoltaic Products <i>RMB'000</i>	Total <i>RMB'000</i>
<b>Segment revenue</b>					
Sales and provision of service	<u>684</u>	<u>5,531</u>	<u>209,377</u>	<u>79,756</u>	<u>295,348</u>
<b>Segment results</b>	<u>(1,523)</u>	<u>505</u>	<u>38,803</u>	<u>(121,245)</u>	<u>(83,460)</u>
<i>Reconciliation:</i>					
Interest income					4,455
Other unallocated net income and gains					10,205
Impairment loss on trade receivables					(337)
Corporate and other unallocated expenses					(249,938)
Fair value gain on financial assets at FVTPL					608
Fair value loss on investment properties					(208)
Finance costs					<u>(5,154)</u>
Loss before tax					<u><u>(323,829)</u></u>

#### 4. REVENUE, OTHER NET INCOME AND GAINS

Revenue, which is also the Group's turnover, represents the net invoiced value of goods sold, after allowances for returns and trade discounts and provision of service.

An analysis of revenue, other net income and gains is as follows:

	2024 <i>RMB'000</i>	2023 <i>RMB'000</i>
<b>Revenue</b>		
Recognised at a point in time		
Sale of goods and provision of service	<b>253,514</b>	295,348
<b>Other net income and gains</b>		
Interest income	<b>1,397</b>	4,455
Sales of scrap materials	<b>191</b>	276
Rental income from investment properties less direct outgoings expenses of RMB Nil (2023: RMB Nil)	<b>4,733</b>	4,571
Rental income under operating leases	<b>378</b>	408
Subsidy income*	<b>5,177</b>	2,494
Exchange gain, net	<b>3,888</b>	1,545
Gain on disposal of items of property, plant and equipment	–	10
Subcontracting income	–	354
Others	<b>711</b>	1,547
	<b>16,475</b>	15,660

\* *There are no unfulfilled conditions or contingencies relating to these subsidies.*



## 5. FINANCE COSTS

The details of the Group's finance costs are as follows:

	2024 <i>RMB'000</i>	2023 <i>RMB'000</i>
Interest on bank loans and other borrowings	4,011	3,867
Interest on lease liabilities	3,364	773
Effective interest on deferred rental income	764	514
	<u>8,139</u>	<u>5,154</u>

## 6. LOSS BEFORE TAX

The Group's loss before tax is arrived at after charging/(crediting) the following items:

	2024 <i>RMB'000</i>	2023 <i>RMB'000</i>
Cost of inventories sold	220,580	252,443
Depreciation of property, plant and equipment	19,963	17,616
Depreciation of right-of-use assets	24,136	6,164
Employee benefit expenses (including directors' remuneration):		
Wages and salaries	108,579	103,848
Equity-settled share-based payments	122,399	177,636
Staff welfares	3,787	3,887
Contributions to retirement benefits schemes	9,188	7,695
	<u>243,953</u>	<u>293,066</u>
Auditors' remuneration	1,617	1,643
Gross rental income from investment properties	(4,733)	(4,571)
Less: direct operating expenses incurred for investment properties (including generated and did not generated rental income during the year)	<u>—</u>	<u>—</u>
	<u>(4,733)</u>	<u>(4,571)</u>
Impairment loss on intangible assets	<u>810</u>	<u>4,374</u>

## 7. INCOME TAX EXPENSE

No provision for Hong Kong profits tax has been provided as the Group did not generate any assessable profits arising in Hong Kong for the year ended 31 December 2024 (2023: Nil). Taxes on profits assessable in the PRC have been calculated at the prevailing rates, based on existing legislation, interpretations and practices in respect thereof.

	2024 <i>RMB'000</i>	2023 <i>RMB'000</i>
PRC Enterprise Income Tax		
Charge for the year	1,993	2,001
Under-provisions in prior years	83	717
Deferred tax	(700)	(167)
	<hr/>	<hr/>
Total tax expense for the year	<u>1,376</u>	<u>2,551</u>

## 8. DIVIDEND

No dividend was proposed for the years ended 31 December 2024 and 2023 and since the end of the reporting period.

## 9. LOSS PER SHARE

### (a) Basic loss per share

The calculation of basic loss per share is based on the consolidated loss for the year ended 31 December 2024 attributable to owners of the Company of approximately RMB277,407,000 (2023: RMB326,380,000) and the weighted average number of Shares of 1,813,788,930 (2023: 1,773,772,107) in issue during the year ended 31 December 2024.

The weighted average number of Shares used to calculate the basic loss per share for the year ended 31 December 2024 included the 1,814,373,608 Shares as at 1 January 2024 (being 1,815,659,608 Shares in issue as at 1 January 2024 deducting 1,286,000 Shares repurchased in December 2023 and cancelled during the year ended 31 December 2024) and 1,104,000 Shares repurchased and cancelled during the year ended 31 December 2024.

The weighted average number of Shares used to calculate the basic loss per share for the year ended 31 December 2023 included the 1,711,959,608 Shares in issue as at 1 January 2023 and 103,700,000 Shares issued during the year in respect of the exercise of share options. The Company repurchased 1,286,000 Shares in December 2023 on the Stock Exchange and such Shares were not cancelled as at 31 December 2023.

## 9. LOSS PER SHARE (*continued*)

### (b) Diluted loss per share

The diluted loss per share is calculated by dividing the consolidated loss for the year ended 31 December 2024 attributable to owners of the Company by the weighted average number of Shares in issue during the year ended 31 December 2024, as used in the basic loss per share calculation, and the weighted average number of Shares assumed to have been issued at no consideration on the deemed exercise or conversion of all dilutive potential Shares into Shares.

For the year ended 31 December 2024 and 2023, diluted loss per share does not assume the exercise of the Company's share options as the exercise of the Company's share options would result in a decrease in loss per share, and is regarded as anti-dilutive.

## 10. INVESTMENT PROPERTIES

	<i>RMB'000</i>	
As at 1 January 2023		66,251
Fair value loss on investment properties		(208)
		<hr/>
As at 31 December 2023 and 1 January 2024		66,043
Fair value gain on investment properties		378
		<hr/>
<b>As at 31 December 2024</b>		<b>66,421</b>
		<hr/> <hr/>
	<b>2024</b>	<b>2023</b>
	<b><i>RMB'000</i></b>	<b><i>RMB'000</i></b>
<b>Representing:</b>		
Leasehold land	<b>36,835</b>	35,649
Building	<b>29,586</b>	30,394
	<hr/> <hr/>	<hr/> <hr/>

The Group's properties located in the PRC are leased to a third party to earn rentals and for capital appreciation purposes.

The fair values of the Group's investment properties as at 31 December 2024 and 2023 had been arrived at on the basis of the valuation carried out by Quanzhou Heyi Assets and Real Estate Appraisal Co., Ltd, an independent professional valuer. In estimating the fair value of the investment properties, the management of the Group has considered the highest and best use of the investment properties.

The Group has pledged the leasehold land of investment properties with a net carrying amount of approximately RMB36,835,000 (2023: RMB35,649,000) to secure general banking facilities granted to the Group for the year ended 31 December 2024.

## 11. TRADE AND BILLS RECEIVABLES

The Group's trading terms with its customers are mainly on credit. The credit period offered to its customers is generally for a period of one to three months (2023: one to three months). The Group seeks to apply strict control over its outstanding receivables and has a credit control department to monitor credit risk. Overdue balances are reviewed regularly by senior management. In view of the aforementioned and the fact that the Group's trade and bills receivables relate to a large number of diversified customers, there is no significant concentration of credit risk. The Group does not hold any collateral or other credit enhancements over its trade and bills receivables balances. Trade and bills receivables are non-interest-bearing.

	2024 <i>RMB'000</i>	2023 <i>RMB'000</i>
Trade receivables:		
– sales of goods	144,128	155,771
Bills receivables	372	–
	<u>144,500</u>	<u>155,771</u>
Less: Allowance for credit losses	(205)	(450)
	<u><u>144,295</u></u>	<u><u>155,321</u></u>

An aging analysis of the Group's trade and bills receivables, net of allowance for credit losses as at the end of the reporting period, based on the invoice dates, is as follows:

	2024 <i>RMB'000</i>	2023 <i>RMB'000</i>
Within 3 months	89,043	125,502
4 to 6 months	25,894	16,959
Over 6 months	29,358	12,860
	<u><u>144,295</u></u>	<u><u>155,321</u></u>

## 12. TRADE AND BILLS PAYABLES

An aging analysis of the Group's trade and bills payables as at the end of the reporting period, based on the invoice dates, is as follows:

	2024 <i>RMB'000</i>	2023 <i>RMB'000</i>
Within 3 months	60,409	64,493
Over 3 months	11,481	15,099
	<u><u>71,890</u></u>	<u><u>79,592</u></u>

## 12. TRADE AND BILLS PAYABLES *(continued)*

The trade and bills payables are non-interest-bearing and are normally settled on six months terms (2023: six months). The Group has no bills payable as at 31 December 2024. Bills payable of approximately RMB2,426,000 were secured by the Group's pledged deposits amounted to approximately RMB2,426,000 as at 31 December 2023.

## 13. SHORT-TERM BORROWINGS

		2024 <i>RMB'000</i>	2023 <i>RMB'000</i>
Secured bank loans repayable within one year	(b)	<u>100,200</u>	<u>100,200</u>

- (a) At 31 December 2024 and 2023, the loans were denominated in Renminbi and bore interest rates ranging from:

Year ended 31 December 2024                      3.05% to 4.10% per annum

Year ended 31 December 2023                      3.70% to 4.55% per annum

- (b) At 31 December 2024, the secured bank loans of the Group were secured by a pledge of the Group's buildings with carrying amount of approximately RMB2,100,000 (2023: RMB1,973,000), leasehold land of right-of-use assets and the leasehold land of investment properties with carrying amounts of approximately RMB3,606,000 (2023: RMB3,752,000) and approximately RMB36,835,000 (2023: RMB35,649,000) respectively. In addition, the bank loans were secured by guarantees provided by an independent third party and a Director and a pledge of properties of the Director's son as at 31 December 2024 and 31 December 2023.

## 14. SHARE CAPITAL

The details of the authorised and issued share capital of the Company are as follows:

	Number of ordinary shares of US\$0.01 each	Nominal value of ordinary shares RMB'000
<b>Authorised:</b>		
At 1 January 2023, 31 December 2023, 1 January 2024 and 31 December 2024	5,000,000,000	342,400
<b>Issued and fully paid:</b>		
At 1 January 2023	1,711,959,608	113,799
Issue of Shares upon exercise of share options	103,700,000	7,161
At 31 December 2023 and 1 January 2024	1,815,659,608	120,960
Share repurchased and cancelled	(2,390,000)	(170)
At 31 December 2024	1,813,269,608	120,790

During the year ended 31 December 2024, the Company cancelled 1,286,000 Shares repurchased in December 2023. Besides, the Company repurchased 1,104,000 Shares on the Stock Exchange with a total cash consideration of approximately HK\$3,942,000 (equivalent to approximately RMB3,589,000). The lowest and highest repurchased price per Share is HK\$3.14 and HK\$4.06 respectively. All repurchases were executed in January, June and July 2024 and all 1,104,000 repurchased Shares in 2024 have been cancelled and deducted from the share capital and share premium within shareholders' equity.

During the year ended 31 December 2023, the Company repurchased 1,286,000 Shares on the Stock Exchange with a total cash consideration of approximately HK\$4,752,000 (equivalent to approximately RMB4,326,000). The lowest and highest repurchased price per Share is HK\$3.56 and HK\$3.90 respectively. All repurchases were executed in December 2023. None of the repurchased Shares had been cancelled and deducted from the share capital and share premium within shareholders' equity, and the repurchased Shares were recorded as treasury stock as at 31 December 2023.

## **EXTRACTS FROM INDEPENDENT AUDITOR'S REPORT**

The following is an extract from the report issued by Confucius International CPA Limited, the Company's auditor, on the consolidated financial statements of the Group for the year ended 31 December 2024:

### **Opinion**

In our opinion, the consolidated financial statements give a true and fair view of the consolidated financial position of the Group as at 31 December 2024 and of its consolidated financial performance and its consolidated cash flows for the year then ended in accordance with International Financial Reporting Standards ("IFRSs") issued by the International Accounting Standards Board (the "IASB") and have been properly prepared in compliance with the disclosure requirements of the Hong Kong Companies Ordinance.

### **MANAGEMENT DISCUSSION AND ANALYSIS**

During the year ended 31 December 2024, the revenue of the Group decreased by approximately RMB41.8 million or approximately 14.2% to approximately RMB253.5 million (2023: RMB295.3 million), which was mainly attributable to the decrease in revenue of Photovoltaic Products business and OEM business. The gross profit of the Group during the year ended 31 December 2024 decreased by approximately 23.2% to approximately RMB32.9 million and the gross profit margin of the Group for the year ended 31 December 2024 decreased to approximately 13.0% as compared to approximately 14.5% in 2023.

Regarding the business of Photovoltaic Products, the revenue for the year ended 31 December 2024 decreased by approximately 51.6% to approximately RMB38.6 million as compared to approximately RMB79.8 million in 2023. In 2024, the Group upgraded its existing HJT cell production lines to the higher conversion efficiency and cost-advantageous exclusive patented HBC solar cell technology. The sales volume of the Photovoltaic Products business was temporarily affected due to the transition from old to new technology products.

For the OEM business, despite the fact that the Group still faced challenges from worsening macroeconomic factors such as domestic inflation and sluggish consumer demand in the United States of America ("US") and tariff policies of the US, with the effort of the Group's sales team, the revenue of the Group only slightly decreased by approximately 1.5% to approximately RMB206.2 million for the year ended 31 December 2024 in comparison to approximately RMB209.4 million in 2023.

The Group recorded a decrease in net loss for the year ended 31 December 2024 of approximately RMB49.0 million to approximately RMB277.4 million, as compared with the net loss of approximately RMB326.4 million in 2023. The decrease in net loss was mainly attributable to decrease of equity-settled share-based payments of approximately RMB55.2 million to approximately RMB122.4 million during the year ended 31 December 2024 in comparison to approximately RMB177.6 million in 2023 which was incurred as a result of the grant of share options by the Company in 2022 and 2023. Such expense is a non-cash accounting item and has no impact on the cash flow of the Group.

## FINANCIAL REVIEW

### Revenue by Product Category

	<b>2024</b>	2023	Increase/ (decrease)
	<b><i>RMB'000</i></b>	<i>RMB'000</i>	<i>% change</i>
Revenue (Boree Products)	<b>4,082</b>	684	496.8%
Revenue (Graphene-based Products)	<b>4,638</b>	5,531	(16.1)%
Revenue (OEM Business)	<b>206,218</b>	209,377	(1.5)%
Revenue (Photovoltaic Products)	<b>38,576</b>	79,756	(51.6)%
<b>Revenue (Total)</b>	<b><u>253,514</u></b>	<u>295,348</u>	<u>(14.2)%</u>

### Boree Products

Revenue from Boree Products increased by approximately 496.8% to approximately RMB4.1 million during the year ended 31 December 2024 (2023: RMB0.7 million) because of the increase in online sales.

### Graphene-based Products

Revenue of Graphene-based Products decreased by approximately 16.1% to approximately RMB4.6 million during the year ended 31 December 2024 (2023: RMB5.5 million) as the sales of sterilizing modules for air conditioning system decreased during the year ended 31 December 2024.

### OEM Business

For the OEM business, despite the fact that the Group still faced worsening macroeconomic factors such as domestic inflation and sluggish consumer demand in the US and tariff policies of the US, with the effort of the Group's sales team, the revenue only slightly declined by approximately 1.5% to approximately RMB206.2 million for the year ended 31 December 2024 (2023: RMB209.4 million). However, the gross profit of OEM business was adversely impacted by the intense price competition from manufacturers in Southeast Asian countries.



## **FINANCIAL REVIEW** *(continued)*

### **Photovoltaic Products**

Revenue of Photovoltaic Products for the year ended 31 December 2024 decreased by approximately 51.6% to approximately RMB38.6 million as compared to approximately RMB79.8 million in 2023. In 2024, the Group upgraded its existing HJT cell production lines to the higher conversion efficiency and cost-advantageous exclusive patented HBC solar cell technology, achieving a mass production efficiency of 27.5% after ramping up. The sales volume of the Photovoltaic Products business was temporarily affected due to the transition from old to new technology products. In 2024, the Group started licensing the intellectual property rights for the HBC patent technology to leading solar cell and module companies. The Group expects that the licensing fee income will contribute to the sales growth of the Group's Photovoltaic Products business and this new high-margin and asset-light business model will have a positive impact on shareholders of the Company (the "Shareholders").

### **Selling and Distribution Expenses**

During the year ended 31 December 2024, selling and distribution expenses increased by approximately 2.1% to approximately RMB25.3 million as compared with that of last year (2023: RMB24.8 million), which accounted for approximately 10.0% (2023: 8.4%) of the Group's revenue for the year ended 31 December 2024. The increase was mainly attributable to the increase in allocation of resources in marketing and promotional activities during the year ended 31 December 2024 to explore overseas markets of flexible Photovoltaic Products.

### **General and Administrative Expenses**

General and administrative expenses recorded a decrease of approximately RMB35.5 million or approximately 13.8% to approximately RMB221.6 million for the year ended 31 December 2024 (2023: RMB257.1 million), which was mainly attributable to (i) decrease of equity-settled share-based payments of approximately RMB55.2 million to approximately RMB122.4 million during the year ended 31 December 2024 in comparison to approximately RMB177.6 million in 2023 due to the grant of share options by the Company in 2022 and 2023; net off by (ii) increase in depreciation of right-of-use assets of approximately RMB18.0 million as an indirect wholly-owned subsidiary of the Company, as the lessee entered into a lease agreement for the lease of the factory and ancillary facilities as production base of Cast-mono wafers in Xuzhou for an initial term of 3 years from 1 November 2023 to 31 October 2026. As the entering into of lease agreement was recognized as an acquisition of right-of-use assets in November 2023, the depreciation during the year ended 31 December 2024 increased substantially.

## **FINANCIAL REVIEW** *(continued)*

### **Research and Development Costs**

During the year ended 31 December 2024, research and development costs decreased by approximately RMB23.1 million to approximately RMB60.2 million (2023: RMB83.3 million). During the year ended 31 December 2024, the Group mainly focused to upgrade the existing HJT cell production lines to the higher conversion efficiency and cost-advantageous exclusive patented HBC solar cell technology, while in 2023, research and development activities mainly focused on developing new products like HJT solar awnings and the development of the HBC solar cells for the production of HBC flexible modules.

### **Liquidity and Financial Resources**

During the year ended 31 December 2024, net cash outflow from operating activities of the Group amounted to approximately RMB50.6 million (2023: RMB161.9 million). As at 31 December 2024, cash and bank balances were approximately RMB31.9 million, representing a decrease of approximately RMB110.7 million as compared with approximately RMB142.6 million as at the end of 2023. As at 31 December 2024, around 16.8%, 68.6% and 14.6% of the Group's cash and bank balances were denominated in Hong Kong dollars, Renminbi and US dollars respectively. As at 31 December 2024, the short-term borrowings of the Group were approximately RMB100.2 million (2023: RMB100.2 million). All loans were denominated in Renminbi, with fixed interest rates and repayable within one year.

As at 31 December 2024, the gearing ratio of the Group was 80.7% (2023: 58.7%). Gearing ratio was calculated as total debts divided by the total equity. Total debts refer to the total liabilities minus the sum of tax payable and deferred tax liability.

### **Capital Structure**

As at 1 January 2024, the Company had 1,815,659,608 Shares in issue and a paid-up capital of approximately RMB120,960,000. During the year ended 31 December 2024, the Company cancelled 1,286,000 Shares repurchased in December 2023. Besides, the Company repurchased and cancelled 1,104,000 Shares during the year ended 31 December 2024. As at 31 December 2024, the Company had 1,813,269,608 Shares in issue and a paid-up capital of approximately RMB120,790,000.

### **Significant Investments, Material Acquisitions and Disposals of Subsidiaries, Associated Companies and Joint Ventures**

During the year ended 31 December 2024, the Group did not have any other significant investments or material acquisitions and disposals of subsidiaries, associated companies and joint ventures.

## **FINANCIAL REVIEW** *(continued)*

### **Pledge of Assets**

As at 31 December 2024, the Group did not have any bills payables. As at 31 December 2023, the bills payables were secured by a pledge of the Group's deposits amounting to approximately RMB2.4 million. As at 31 December 2024, the bank borrowings of the Group were secured by a pledge of the Group's buildings with carrying amount of approximately RMB2.1 million (2023: RMB2.0 million), leasehold land of right-of-use assets and the leasehold land of investment properties with carrying amounts of approximately RMB3.6 million (2023: RMB3.8 million) and approximately RMB36.8 million (2023: RMB35.6 million) respectively.

### **Contingent Liabilities**

There was no material contingent liabilities as at 31 December 2024 and 2023.

### **Foreign Exchange Risk**

During the year ended 31 December 2024, the revenue of the Group were mainly denominated in US dollars and Renminbi. The cost of sales and operating expenses were mainly denominated in Renminbi. Management of the Group monitors the foreign exchange risk and will consider hedging significant foreign currency risk exposure if necessary.

### **Human Resources**

As at 31 December 2024, the Group had a total of approximately 1,020 employees (2023: 1,090 employees), with total staff costs for the year ended 31 December 2024, including Directors' remuneration, amounted to approximately RMB243,953,000 (2023: RMB293,066,000). The Group's emolument policies are based on the merit, qualifications and competence of individual employee and are reviewed by the remuneration committee of the Company periodically. The emoluments of the Directors are recommended by the remuneration committee of the Company and are decided by the Board, having regard to the Group's operating results, individual performance and comparable market statistics. The Company also adopted a share option scheme on 2 July 2021 (which was terminated with effect from 16 June 2023) and a new share option scheme on 16 June 2023 to motivate and reward its Directors and eligible employees.

## FINANCIAL REVIEW *(continued)*

### Use of Net Proceeds From 2022 Placing

Reference is made to the Company's announcements dated 30 December 2021 and 14 January 2022 in relation to the proposed use of proceeds from the 2022 Placing (as defined below), and subsequent change in use of proceeds as disclosed in the announcement dated 13 June 2024 (the "First Change in UOP Announcement") and 31 December 2024 (the "Second Change in UOP Announcement"). The Company placed a total of 50,000,000 new Shares through a placing agent to two placees at the placing price of HK\$10 per placing share (the "2022 Placing") which was completed on 14 January 2022. The closing market price was HK\$10.3 per Share on the date on which the terms of the 2022 Placing were fixed. The gross proceeds and net proceeds (after deducting the placing commission and other related expenses and professional fees) from the 2022 Placing were approximately HK\$500,000,000 (equivalent to approximately RMB409,050,000) and approximately HK\$497,850,000 (equivalent to approximately RMB407,291,000) respectively. The net placing price, after deducting relevant expenses, was approximately HK\$9.96 per placing share.

The Directors considered that the 2022 Placing represented a good opportunity for the Company to raise additional capital and hence strengthen the Company's capital base for the business operations of the Group without incurring interest costs.

The utilisation of the net proceeds of the 2022 Placing as at 31 December 2024 is set out as follows:

Nature	Original allocation of the net proceeds	Remaining balance of the unutilised net proceeds as at 1 January 2024	Revised allocation of the net proceeds as disclosed in the First Change in UOP in 2024	Amount of revised net proceeds utilised during the six months ended 30 June 2024	Revised allocation of the net proceeds as disclosed in the Second Change in UOP in 2024	Amount of revised net proceeds utilised during the six months ended 31 December 2024	Unutilised amount as at 31 December 2024
	RMB'000	RMB'000	RMB'000	RMB'000	RMB'000	RMB'000	RMB'000
(1) Procurement costs of raw materials and subcontracting fee for production of the Cast-mono wafers and solar modules	156,952	–	13,000	13,000	–	–	–
(2) Modification of the casting silicon furnaces	61,358	52,844	1,000	680	–	–	–

## FINANCIAL REVIEW (continued)

### Use of Net Proceeds From 2022 Placing (continued)

Nature	Original allocation of the net proceeds RMB'000	Remaining balance of the unutilised net proceeds as at 1 January 2024 RMB'000	Revised allocation of the net proceeds as disclosed in the First Change in UOP Announcement RMB'000	Amount of revised net proceeds utilised during the six months ended 30 June 2024 RMB'000	Revised allocation of the net proceeds as disclosed in the Second Change in UOP Announcement RMB'000	Amount of revised net proceeds utilised during the six months ended 31 December 2024 RMB'000	Unutilised amount as at 31 December 2024 RMB'000
(3) Procurement of other peripheral production equipment	49,086	3,473	10,000	8,276	–	–	–
(4) Procurement of production equipment for HBC solar cells and modules and flexible modules	14,726	8,757	40,000	14,990	–	–	–
(5) Procurement costs of raw materials for the flexible modules	2,454	–	10,000	6,070	3,930	1,529	2,401
(6) Potential strategic equity investment to establish a Cast- mono HJT photovoltaic cell and module manufacturing facility	40,905	40,905	–	–	–	–	–
(7) General working capital	81,810	–	31,979	31,979	27,054	27,054	–
<b>Total</b>	<b>407,291</b>	<b>105,979</b>	<b>105,979</b>	<b>74,995</b>	<b>30,984</b>	<b>28,583</b>	<b>2,401</b>

#### Note:

- It is expected that all of the remaining balances of the unutilised net proceeds will be utilised on or before 31 December 2025.

## **FUTURE PROSPECTS**

### **Photovoltaic Products**

In 2024, the global photovoltaic market continued to experience intense price competition, with some suppliers even selling below cost. Currently, the mainstream tunnel oxide passivated contact (“**TOPCon**”) cell is facing oversupply, exacerbating the price pressure. In addition to adhering to a differentiated strategy for residential consumer solar products, the Group initiated an upgrade from HJT technology to HBC solar cell technology which offers higher conversion efficiency and lower costs in the business to business market at the end of 2023. In 2024, the Group accomplished the following:

1. perfected the comprehensive and exclusive HBC cell patent system and established a patent licensing business model. Through collaborations with several industry leaders, they will pay licensing fees to the Group for patent protection after mass production.
2. upgraded the existing HJT cell production lines to the higher conversion efficiency and cost-advantageous exclusive patented HBC solar cell technology, achieving a mass production efficiency of 27.5% after ramping up.
3. successfully developed a specialized silver-copper paste technology for back-contact cells. This technology reduces silver paste consumption by over 20% compared to the amount used in TOPCon cells in the market while maintaining equivalent conductivity, thereby lowering solar cell production costs. Due to lower silver paste consumption, this paste can be more cost-competitive than commercially available silver-copper paste while maintaining efficiency. Besides silicon wafer, the price and consumption of silver paste are among the most critical factors affecting solar cell cost and serve as a core advantage for HBC’s sustained competitiveness.

Looking ahead to 2025, in addition to continuously promoting the sales of our in-house brand solar awnings, the Group will also collaborate with traditional awnings suppliers with established brands by directly providing them with flexible modules and jointly supply solar awnings to downstream recreational vehicles or household customers. Additionally, the Group expects to complete the world’s first gigawatt-scale HBC cell factory in 2025 through a joint venture with the Group’s partners. Upon successful production ramp-up, the Group will continue to expand partnerships and market reach, leveraging HBC technology to drive industry advancements and deliver greater value to customers.

### **OEM Business**

To address the impact of tariff policies of the US and the intense price competition from manufacturers in Southeast Asian countries on the sales of OEM business, after several months of preparation, the Group is expected to begin cooperation with an Indonesian factory in the second quarter of 2025.

## **CORPORATE GOVERNANCE**

The Board and the management of the Company are committed to the maintenance of good corporate governance practices and procedures. The Company believes that good corporate governance provides a framework that is essential for effective management, a healthy corporate culture, successful business growth and enhancing Shareholders' value.

Throughout the year ended 31 December 2024, the Company has complied with the code provisions as set out in the Corporate Governance Code (the "CG Code") contained in Part 2 of Appendix C1 to the Listing Rules. The Company periodically reviews its corporate governance practices to ensure its continuous compliance.

## **MODEL CODE FOR SECURITIES TRANSACTIONS BY DIRECTORS**

The Company has adopted the Model Code for Securities Transactions by Directors of Listed Issuers (the "Model Code") as set out in Appendix C3 to the Listing Rules as the required standard for securities transactions by the Directors. The Company made specific enquiries of all the Directors and each of them confirmed that they have complied with the required standards set out in the Model Code during the financial year ended 31 December 2024.

## **EVENTS AFTER THE REPORTING PERIOD**

In March 2025, an indirect wholly-owned subsidiary of the Company, Golden Solar (Quanzhou) New Energy Technology Co., Ltd\* (金陽(泉州)新能源科技有限公司) has injected RMB71 million into the joint venture company, Jinlong (Xi'an) New Energy Technology Co., Ltd\* (金隆(西安)新能源科技有限公司), as registered capital.

Save for disclosed above, there was no material event which could have material impact on the Group since the year ended 31 December 2024 and up to the date of this announcement.

\* *for identification purposes only*

## **AUDIT COMMITTEE**

The audit committee of the Company (the "Audit Committee") was established by the Board with written terms of reference in compliance with the CG Code as set out in Appendix C1 to the Listing Rules. The primary duties of the Audit Committee are to review and supervise the Group's financial reporting process, risk management and internal control systems, the effectiveness of the Group's internal audit function, and review and monitor the appointment of the auditors and their independence. As at 31 December 2024, the Audit Committee comprised three independent non-executive Directors, namely Mr. Chen Shaohua, Professor Zhao Jinbao and Dr. Zhang Baoping, and Mr. Chen Shaohua is the chairperson of the Audit Committee. The annual results of the Group for the year ended 31 December 2024 have been reviewed by the Audit Committee.



## REVIEW OF THIS ANNUAL RESULTS ANNOUNCEMENT

This preliminary annual results announcement has been compared by the Group's auditor, Confucius International CPA Limited ("Confucius"), Certified Public Accountants, to the amounts set out in the Group's audited consolidated financial statements for the year ended 31 December 2024 and the amounts were found to be in agreement. The work performed by Confucius in this respect did not constitute an audit, review or other assurance engagement in accordance with Hong Kong Standards on Auditing, Hong Kong Standards on Review Engagements or Hong Kong Standards on Assurance Engagements issued by the Hong Kong Institute of Certified Public Accountants and consequently no assurance has been expressed by the auditor on this preliminary announcement.

## PURCHASE, REDEMPTION OR SALE OF LISTED SECURITIES OF THE COMPANY

For the year ended 31 December 2024, as the Board considered that the price of the Shares did not reflect their intrinsic value, and the share repurchase program could reflect the Board's confidence in the Company's development prospects, the Company repurchased 1,104,000 Shares on the Stock Exchange with a total cash consideration of approximately HK\$3,942,000 (equivalent to approximately RMB3,589,000). All repurchases were executed in January, June and July 2024 and all 1,104,000 repurchased Shares in 2024 have been cancelled and deducted from the share capital and share premium within Shareholders' equity.

Details of the share repurchases are as follows:

Month	Total number of Shares	Price paid per share		Aggregate consideration (HK\$'000)
		Highest (HK\$)	Lowest (HK\$)	
January 2024	90,000	3.95	3.66	339
June 2024	434,000	4.06	3.68	1,624
July 2024	580,000	3.77	3.14	1,979
Total	<u>1,104,000</u>			<u>3,942</u>

Save as disclosed above, during the year ended 31 December 2024, neither the Company nor any of its subsidiaries had purchased, sold or redeemed any of the Company's listed securities (including sale of treasury stock).

## DIVIDEND

The Board does not recommend the payment of a final dividend for the year ended 31 December 2024.



## **ANNUAL GENERAL MEETING AND PERIOD OF CLOSURE OF REGISTER OF MEMBERS**

A notice convening the annual general meeting containing, among others, the period of closure of register of members will be published on the websites of the Stock Exchange and the Company and despatched to the Shareholders in the manner as required by the Listing Rules in due course.

## **PUBLICATION OF ANNUAL RESULTS ANNOUNCEMENT AND ANNUAL REPORT**

This annual results announcement is available for viewing on the website of the Stock Exchange and the website of the Company at <http://www.goldensolargroup.com>. The annual report for the year ended 31 December 2024 of the Company will be despatched to Shareholders in due course.

On behalf of the Board  
**Golden Solar New Energy Technology Holdings Limited**  
**Kang Chuang**  
*Chairman*

Hong Kong, 31 March 2025

*As at the date of this announcement, the executive Directors are Mr. Kang Chuang and Mr. Zheng Jingdong; the non-executive Director is Ms. Lin Weihuan; and the independent non-executive Directors are Dr. Zhang Baoping, Mr. Chen Shaohua and Professor Zhao Jinbao.*