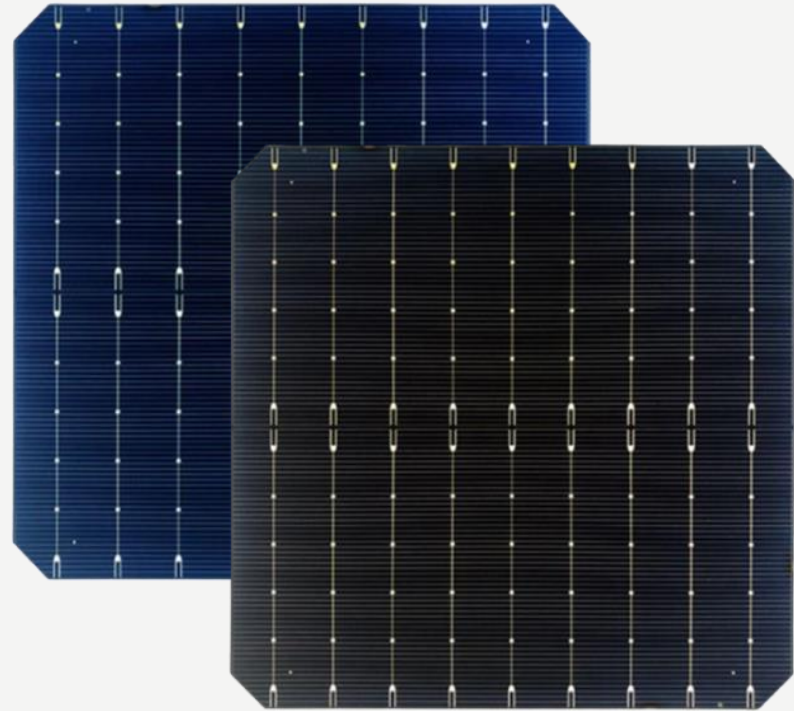


# TOYO Co., Ltd

(NASDAQ: TOYO)

## Investor Deck

August 2024



# Safe Harbor

## Forward-Looking Statements

- This presentation includes “forward-looking statements” within the meaning of the “safe harbor” provisions of the United States Private Securities Litigation Reform Act of 1995. Forward-looking statements may be identified by the use of words such as “estimate,” “plan,” “project,” “forecast,” “intend,” “will,” “expect,” “anticipate,” “believe,” “seek,” “target” or other similar expressions that predict or indicate future events or trends or that are not statements of historical matters. These forward-looking statements include, but are not limited to, statements regarding the expected growth of TOYO, the expected order delivery of TOYO, TOYO’s construction plan of manufactures and strategies of building up integrated value chain in the U.S. . These statements are based on various assumptions, whether or not identified in this presentation, and on the current expectations of TOYO’s management and are not predictions of actual performance.
- These statements involve risks, uncertainties, and other factors that may cause actual results, levels of activity, performance, or achievements to be materially different from those expressed or implied by these forward-looking statements. Although TOYO believes that it has a reasonable basis for each forward-looking statement contained in this presentation, TOYO caution you that these statements are based on a combination of facts and factors currently known and projections of the future, which are inherently uncertain. In addition, there are risks and uncertainties described in the documents filed by TOYO from time to time with the SEC. These filings may identify and address other important risks and uncertainties that could cause actual events and results to differ materially from those contained in the forward-looking statements.
- TOYO cannot assure you that the forward-looking statements in this presentation will prove to be accurate. These forward-looking statements are subject to several risks and uncertainties, including, among others, the outcome of any potential litigation, government or regulatory proceedings, the sales performance of TOYO, and other risks and uncertainties, including but not limited to those included under the heading “Risk Factors” of the filings of TOYO with the SEC. There may be additional risks that TOYO does not presently know or that TOYO currently believes are immaterial that could also cause actual results to differ from those contained in the forward-looking statements. In light of the significant uncertainties in these forward-looking statements, nothing in this presentation should be regarded as a representation by any person that the forward-looking statements set forth herein will be achieved or that any of the contemplated results of such forward-looking statements will be achieved. The forward-looking statements in this presentation represent the views of TOYO as of the date of this presentation. Subsequent events and developments may cause those views to change. However, while TOYO may update these forward-looking statements in the future, there is no current intention to do so except to the extent required by applicable law. You should, therefore, not rely on these forward-looking statements as representing the views of TOYO as of any date subsequent to the date of this presentation. Except as may be required by law, TOYO does not undertake any duty to update these forward-looking statements.



Powering the world with green, clean energy through high-quality solar solutions at a competitive scale and cost.

# Trusted Japanese brand. Made in Vietnam. Soon in the USA.



\* Reached the final stage of negotiations to build a 2GW solar module manufacturing plant in the United States

# Accomplished Leadership Team

Junsei Ryu



## ***Chief Executive Officer & Chairman***

Mr. Ryu has nearly 20 years of experience in the solar solution industry and has been the director, representative or joint representative of several affiliates including, Abalance Corporation, WWB Corporation, Vietnam Sunergy Joint Stock Company (“VSUN”), Fuji Solar Co., Ltd, VALORS Corporation, Birdy Fuel Cells LLC, and Japan Photocatalyst Center Corporation.

Taewoo Chung



## ***Chief Financial Officer & Director***

Mr. Chung has over twenty years’ experience within the financial industry, encompassing roles in investment banking and equity sales. Serving as the vice president of asset finance for Nomura Securities from May 2007 to May 2016, Mr. Chung advised equity & debt financing for domestic and overseas clients on different type of structured transaction related to solar and wind power projects.

Dr. Aihua Wang,  
Ph.D.

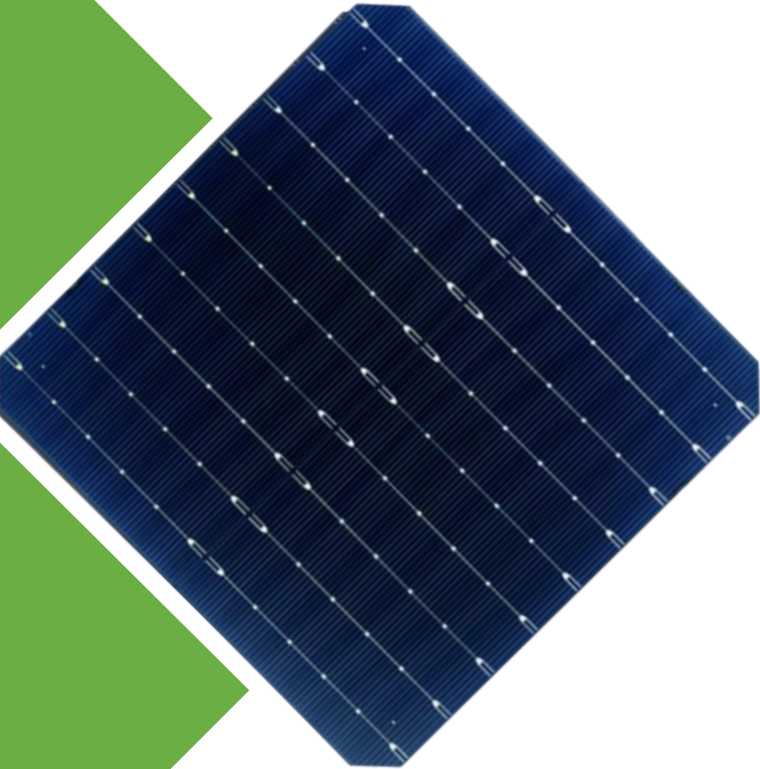


## ***Chief Technology Officer & Director***

Dr. Wang, Ph. D. has achieved over 30 years of solar innovation and is recognized as a top scientist and innovator in PV tech. She has served as the head of research and vice president at China Sunergy and as chief engineer at CEEG (Nanjing) PV-Tech Co. In Australia, she focused on PERL cells and associated technologies as a professional officer and scientist at the Photovoltaics Special Research Centre of the University of South Wales.



# Fast Growing Solar Provider Ramping Solar Cell & photovoltaic (“PV”) Capacity



1 Continuing efforts toward technology advancements driven by industrial scientists

2 Proven operational and engineering expertise from largest non-China brand with TOPCon production

3 Fully automated, stringent management to ensure quality & low human resource requirement

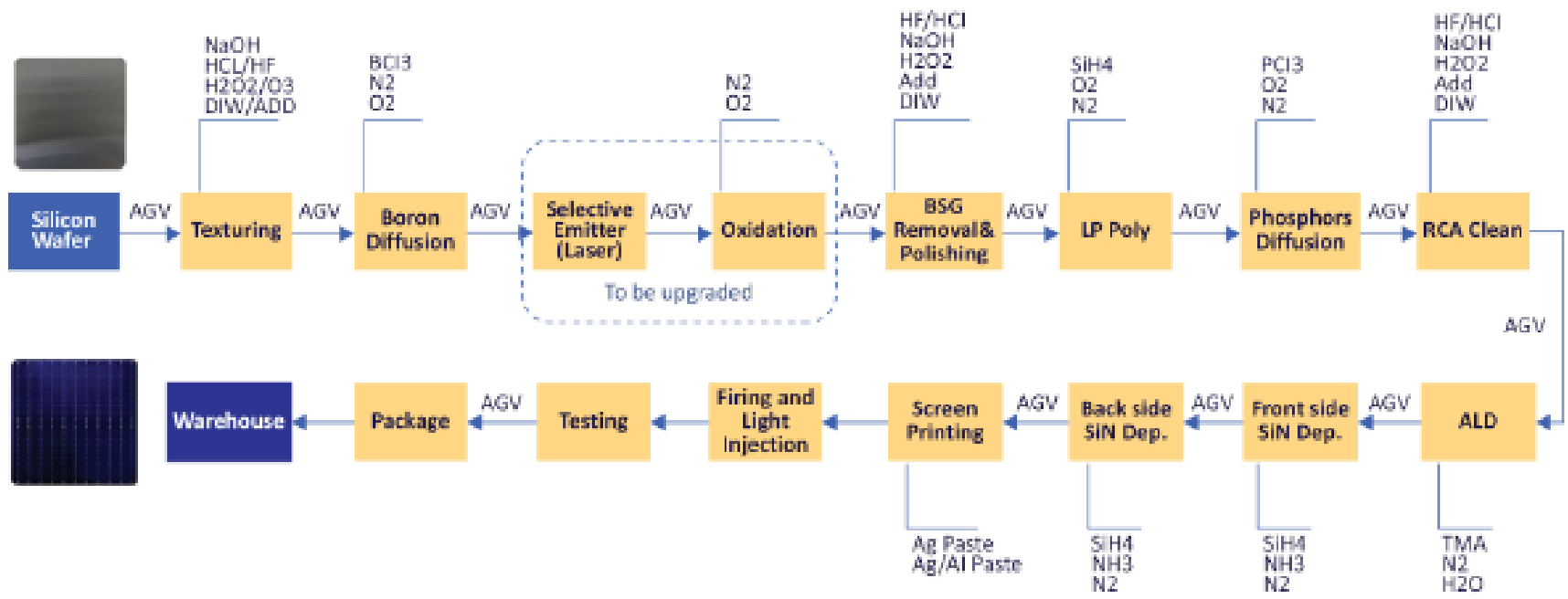
4 Affiliation with VSUN as a well recognized and established brand in the U.S

5 Balanced production strategy to achieve organic economic merits for solar power

# Proven Capability in TOPCon Solar Cell Production

TOYO owns one of the largest, non-Chinese N-type cell manufacturing bases in the world. For the first six months of 2024, 985 MW TOYO cells were utilized mainly to power U.S.-based projects.

*Process of Production*



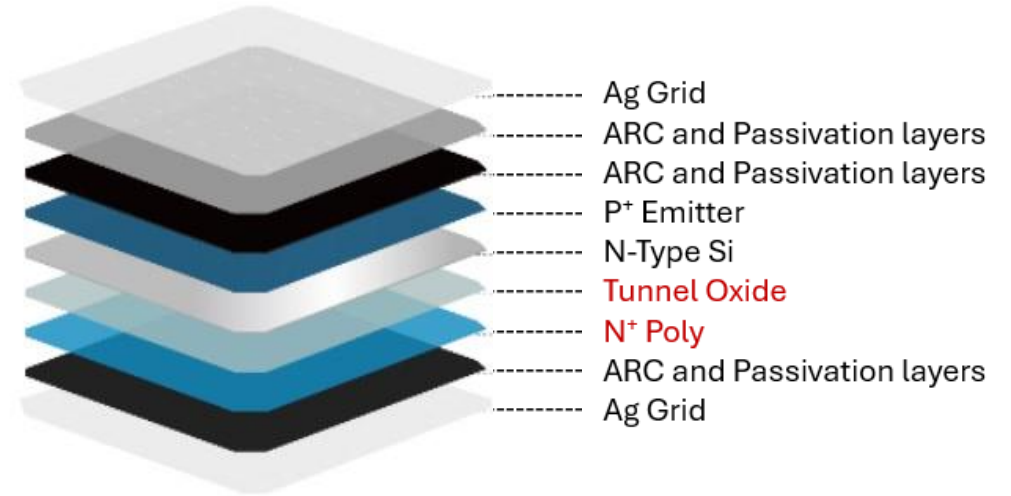
# Advantages of TOPCon Technology



TOYO has embraced the latest Tunnel Oxide Passivated Contact (TOPCon) solar cell technology, the fastest growing solar technology worldwide.



TOPCon cells offer exceptional advantages over PERC and PERT cells, driving higher efficiencies for enhanced solar energy generation:



## Strong Low-Light Performance

Relative conversion efficiency of  $\geq 97\%$  under 200W/m<sup>2</sup> low light conditions



## Low Temperature Coefficient

As low as  $-0.30\%/K$  ensuring excellent power generation in challenging climates



## Low Encapsulation Loss

Drives suitability for high-efficiency modules



## No Light-Induced Degradation



## High Conversion Efficiency

Front Efficiency  $\geq 25.3\%$   
Bifacial Efficiency  $\geq 85\%$

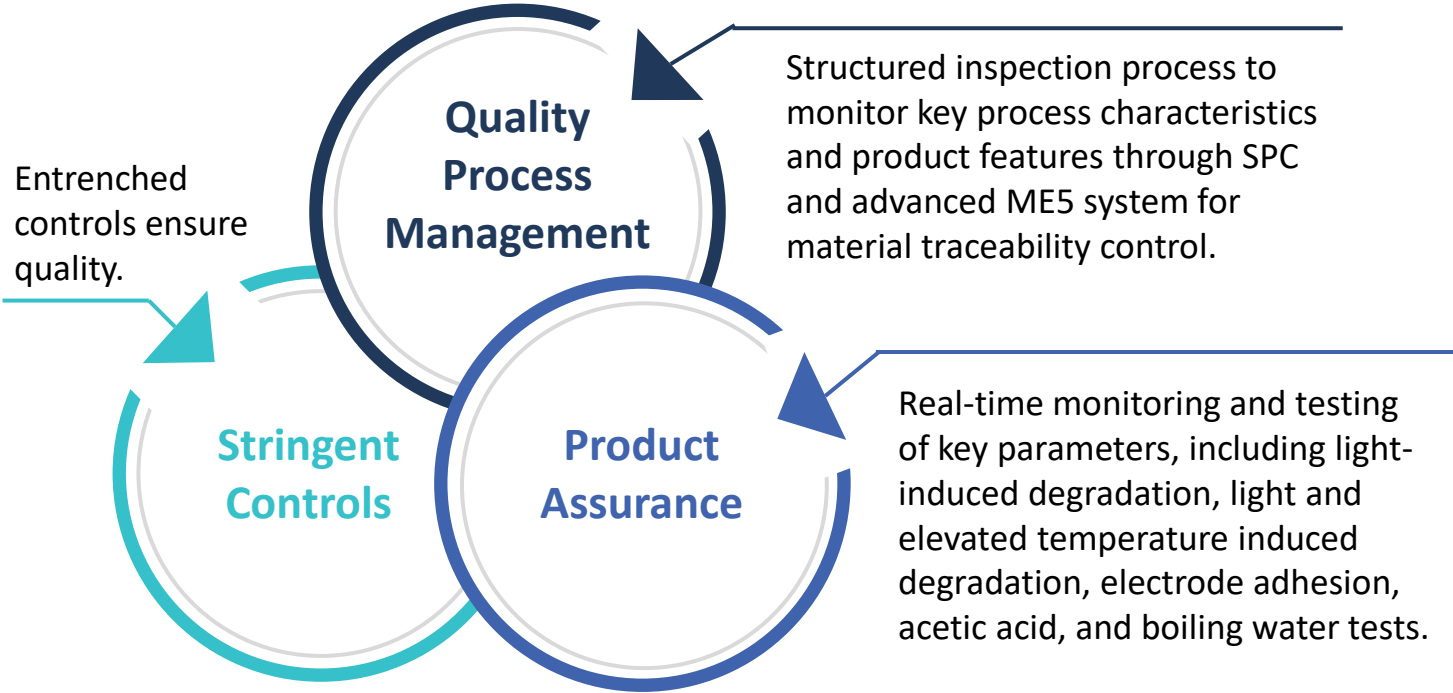


Excellent Anti-PID Performance  
(Potential-induced degradation)



# Manufacturing Excellence

TOYO is dedicated to adhering to the highest standards of quality manufacturing and employee health and safety.



-  DCI Environmental Management System Certificate
-  DCI Quality Management Certificate
-  DCI Occupational Health & Safety Management Certificate
-  ZRK Certificate of Conformity



# State-of-the-Art Automated Guided Vehicles

Automated Guided Vehicles (AGVs) provided numerous benefits including a decreased cost of labor, allowing for faster expansion.





# Award Winning Research and Development

Accomplished engineers, Dr. Aihua Wang, Ph.D., the Chief Technical Officer, and Dr. Jianhua Zhao, Ph.D., as Chief Technical Advisor of TOYO, lead the research and development efforts at TOYO, overseeing a large team.

Together, they're dedicated to the research and development of higher efficiency and quality TOPCon solar cells.

2023 Winners of the Queen Elizabeth Award for Engineering



Professor Andrew Blakers; Dr. Jianhua Zhao, Ph.D.; Dr. Aihua Wang, Ph.D.; Professor Martin Green

# Leveraging the Brand and Customers of Our Affiliates

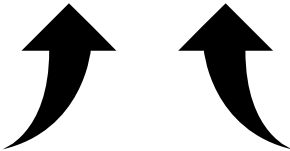


Tokyo Stock Exchange: 3856.T

Japanese Management System

Market Cap: JPY 20.2 billion

Established: 2000



Select VSUN  
U.S. Customers



Innovative & Smart

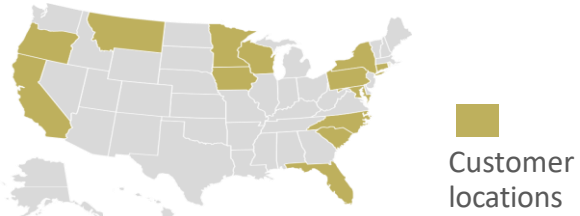
Largest Japanese Solar  
Module Producer

Established Bankability  
Rating

ESG Transparency



## U.S. Customer Locations



## U.S. Customer Highlights

- 8 GW PV modules installed in the U.S. cumulatively
- Equal to ~6 million homes powered by VSUN's modules annually ^
- Equal to ~19 million tons of carbon emission saved cumulatively ^

^Per VSUN's internal estimates using conversion formula

# Leveraging the Brand and Customers of Our Affiliates—VSUN

Selected Major VSUN Customers



Insured by Munich RE

VSUN PROVIDES MUNICH RE THIRD-PARTY INSURANCE COVERAGE FOR CRYSTALLINE MODULES

**VSUN**  
Innovative & Smart

Warranty partner

**Munich RE**

**Who is Munich Re?**  
Founded in Germany in 1880, the Munich Reinsurance Group is currently the world's largest risk management entity, primarily engaged in reinsurance, basic insurance, healthcare, and asset management. In 2010, premium income totaled 45.5 billion euros; assets of 190.2 billion euros. Munich Re's shares are listed on all German stock exchanges and on the Euronext electronic trading system.

**The stability of Munich Reinsurance?**  
After the catastrophic disaster in San Francisco in 1906, Munich Reinsurance was the only insurance company in San Francisco that still had solvency. This type of insurance is irrevocable: even if VSUN no longer has solvency or risk (it certainly seeks to minimize risk), Munich Re is also obligated to resolve claims in case of the poor performance of VSUN modules.

Vsun Recognition from Reputable Financial Institutions





# Meaningful U.S. Solar Opportunity

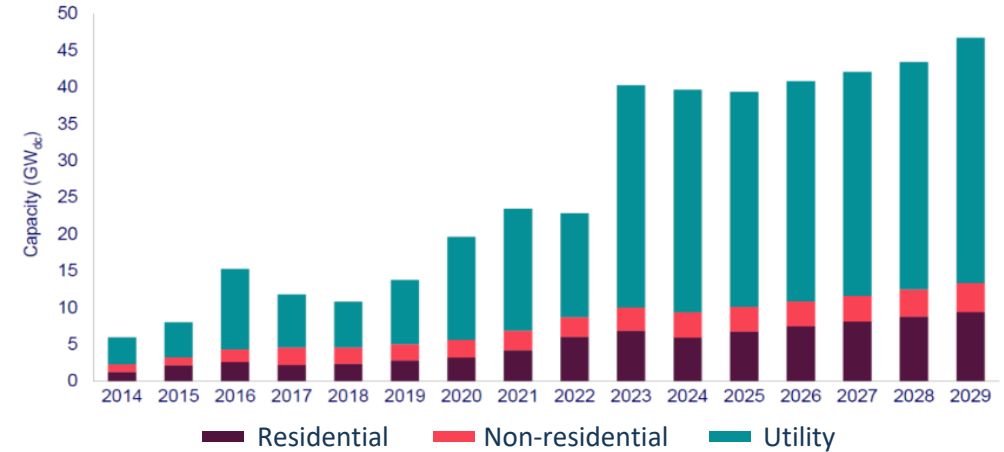
The U.S. is the second largest solar consumer market globally

- Projected solar installations for 2024 are just shy of 40 GW<sub>dc</sub>
- Cumulative deployment by 2029 is expected to install more than 250 GW<sub>dc</sub> of capacity
- The Inflation Reduction Act continues to drive demand for solar power and energy storage, accelerates transition to renewable energy

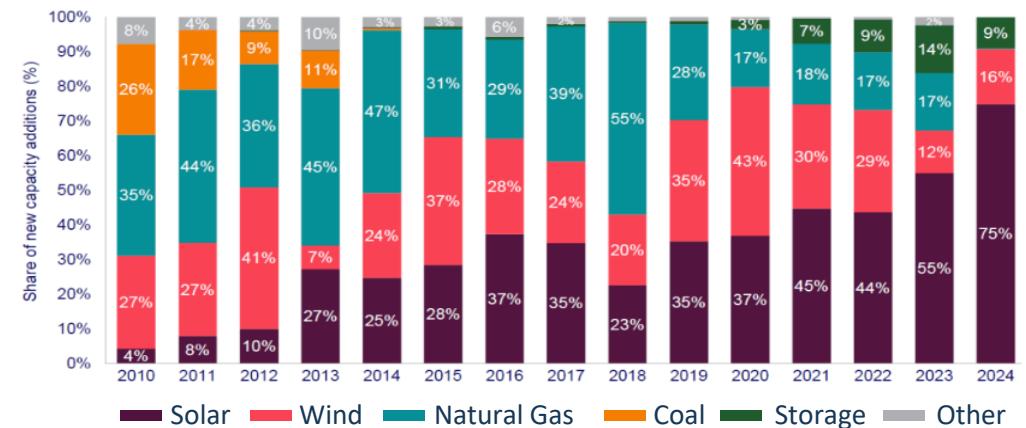
Wafer manufacturing in the United States stopped in 2014 and is only now renewing production; cell production ended in 2020, and solar-grade polysilicon production dropped by 2/3, PV-assembled modules stagnated until 2018.

In 2023, the United States produced approximately 7 GW of PV panels – only 17% of the total local demand.

U.S. PV Installation Historical and Forecast by Segment: 2014 - 2029



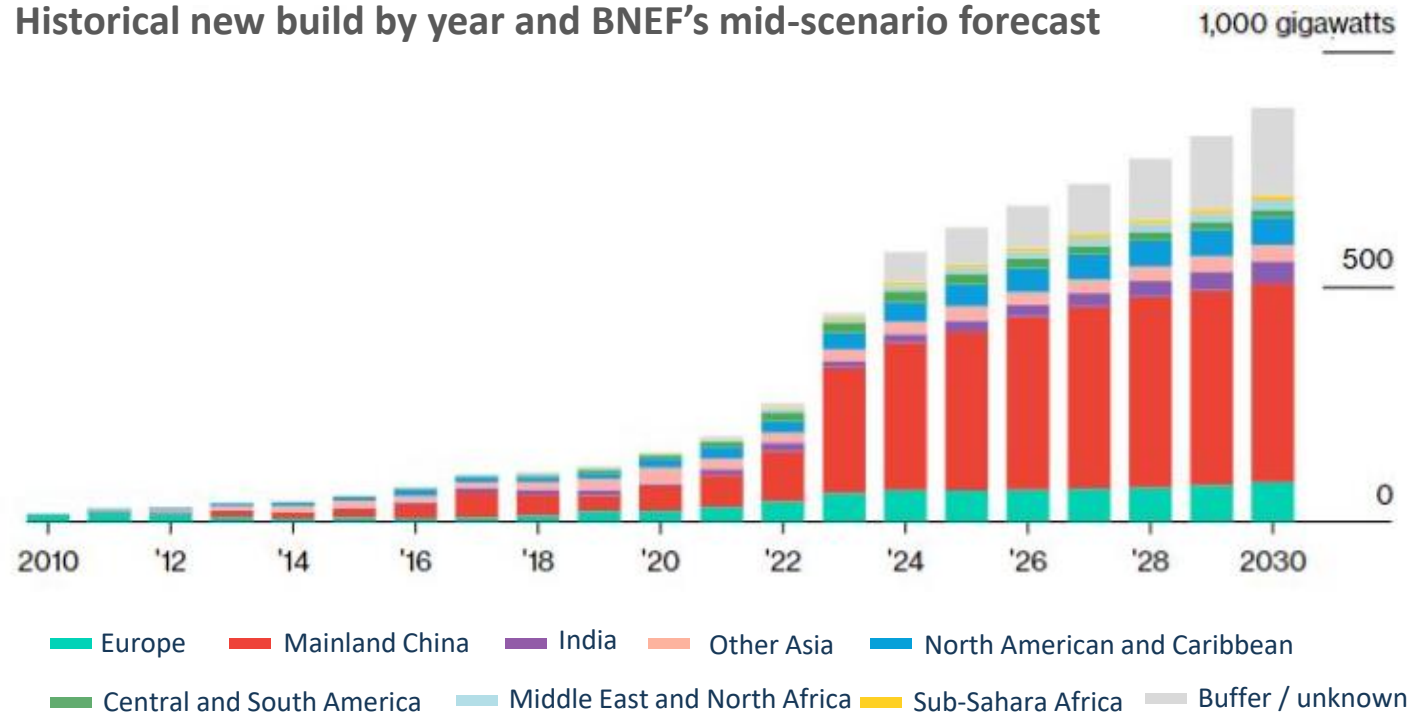
New U.S. Electricity-Generation Capacity Additions: 2010 – Q1 2024





# Substantial Global Market Opportunity

**Global Solar Industry to Grow Another 29% in 2024**  
 Historical new build by year and BNEF's mid-scenario forecast



Industry-wide, appx. 444GW of new PV capacity added in 2023.



Prices of solar modules are at record lows with plentiful supply.



2024 expectations:

- Installations will top 520GW this year.
- 29% y/y expected growth in global solar markets from 2023.
- 37 markets expected to install more than a GW of solar modules.

# Policy Benefits Enable 70% Return in the First 12 Months after Pilot Production

TOYO plans to raise \$100 million to invest in its US 2GW PV Module plant, and due to the Inflation Reduction Act (IRA), it can quickly recoup its investment.

## Inflation Reduction Act

Construct

Incentive



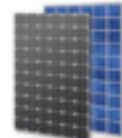
Wafer

\$12 / m<sup>2</sup>



Cell

\$0.04 / watt



Module

\$0.07 / watt

Outlay

Plans to raise \$100 million to construct plant



First 12 Months After Pilot Production<sup>^</sup>

1.4GW of PV modules @  
~\$0.6/watt profit  
= ~\$84 million return

**ROI:**  
**~70% Y1**

<sup>^</sup> Per internal projections



# Strategic Development Plan

## Enhancing operational efficiency through vertical integration

We are working to integrate:

- the upstream production of wafer slicing
- midstream production of solar cells
- downstream production of PV modules

Streamlining processes, reducing costs, and improving efficiencies for our production.

Committed to expansion of highly automated, cutting-edge solar platform:

- Mid 2025 – Expect to commence production of U.S. solar modules
- 1H 2026 – Expect to commence production of U.S. solar cells
- TBD – Construction U.S. wafer slicing facility
- **Once mass production in the U.S facility commences, brand, credentials, and sales channels of VSUN in the U.S will be integrated to the TOYO brand**



# Committed to Environmental Stewardship



## Social Responsibility

---

**100% Material Traceability**

TOYO is focused on further developing the clean energy industry, adhering to a responsible global supply chain strategy, and contributing to the sustainable development of human beings with more professional, efficient and cleaner products.

# Summary

**TOPCon  
Technology &  
Automated  
Guided Vehicles**

**Strengthened  
by Affiliates  
Abalance &  
VSUN**

**Addressable  
Market Offers  
Substantial  
Opportunity**

**All Materials are  
100% Traceable**

**Inflation  
Reduction Act  
Incentives to  
Boost Results**

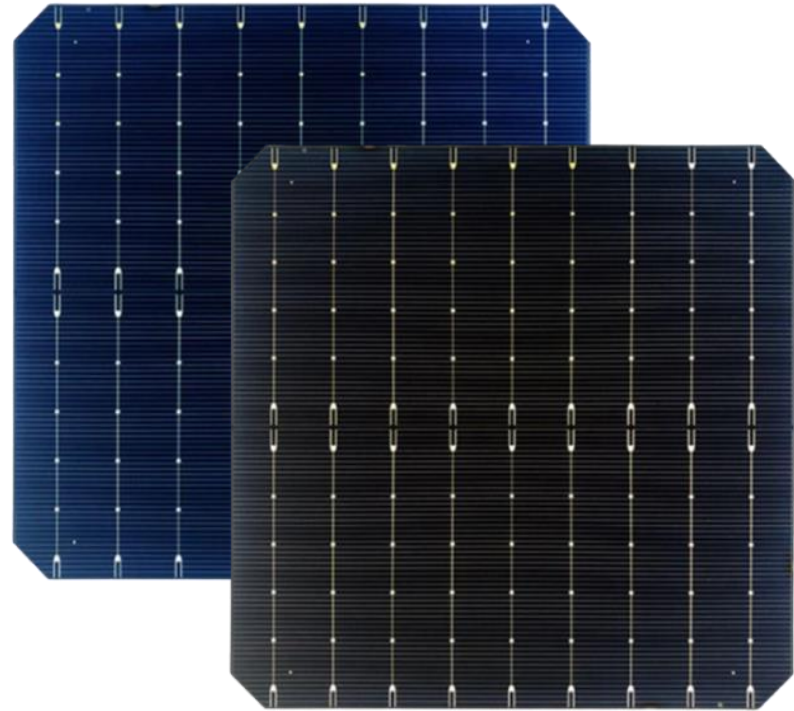
**Rapid Revenue  
Growth & Strong  
Margins**



# TOYO Co., Ltd

(NASDAQ: TOYO)

## First Half 2024 Financial Results





# Key Metrics

First Six Months 2024

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**3 GW**

Manufacturing Capacity

**985 MW**

Solar cells shipped

**\$138.1M**

Revenues

**\$19.6M**

Net Income

# First Six Months 2024 Financial Results

(USD in millions, except per share amounts)

	1H 2024	1H2023
Revenues	138.1	-
Gross Profit	26.6	-
Gross margin	19.3%	-
Operating expenses (loss)	4.2	1.8
Net income (loss)	19.6	(1.9)
Net diluted income (loss) per share	0.48	(0.05)

# Balance Sheet & Cash Flow Statement

(USD in millions, except per share amounts)

	June 30, 2024	December 31, 2023
Cash and cash equivalents	44.4	19.0
Total debt	124.9	108.7
Inventories	27.2	40.0
Cash flow from operations	21.8	(12.5)
Net cash used in investing activities	(16.6)	(114.2)
Cash flow from financing activities	21.5	146.1



# Recent Developments



Completed business combination with Blue World Acquisition Corp, and the ordinary shares of TOYO began trading on the Nasdaq stock market on July 2, 2024.



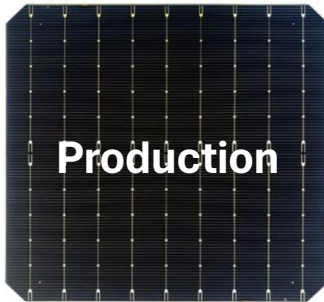
Signed global cooperation agreement with OCI, a major non-Chinese silicon material supplier to offer our customers trustworthy and verifiable photovoltaic products.



# Business outlook



**TOYO expects to deliver over 1.9 GW in orders during 2024.**



**Selection of a location to build a 2 GW solar module manufacturing plant.**



# Appendix



# Unaudited Condensed Consolidated Balance Sheet(Expressed in U.S. dollars)

	June 30, 2024 <u>(unaudited)</u>	December 31, 2023
<b>ASSETS</b>		
<b>Current Assets</b>		
Cash	\$ 41,669,523	\$ 18,035,405
Restricted cash	129,635	82,195
Accounts receivable – a related party	121,118	—
Prepayments	229,992	149,304
Prepayments – a related party	27,048,348	24,400,798
Inventories, net	27,190,797	39,999,992
Other current assets	169,005	85,702
<b>Total Current Assets</b>	<b>96,558,418</b>	<b>82,753,396</b>
<b>Non-current Assets</b>		
Restricted cash, non-current	2,587,665	879,893
Deferred offering costs	2,576,390	2,084,810
Long-term prepaid expenses	7,311,709	7,757,193
Deposits for property and equipment	1,364,798	1,466,878
Property and equipment, net	130,812,056	142,781,558
Right of use assets	233,357	537,032
Other non-current assets	—	22,250
<b>Total Non-current Assets</b>	<b>144,885,975</b>	<b>155,529,614</b>
<b>Total Assets</b>	<b>\$241,444,393</b>	<b>\$ 238,283,010</b>
<b>LIABILITIES AND SHAREHOLDERS' EQUITY</b>		
<b>Current Liabilities</b>		
Short-term bank borrowings	\$ 34,008,887	\$ —
Accounts payable	25,018,771	37,221,124
Contract liabilities	4,913,175	530,817
Contract liabilities – a related party	9,137,458	28,815,934
Due to related parties	68,509,793	96,867,739
Other payable and accrued expenses	3,771,701	5,606,763
Lease liabilities, current	32,901	151,260
<b>Total Current Liabilities</b>	<b>145,392,686</b>	<b>169,193,637</b>
Lease liabilities, non-current	228,240	372,725
Long-term bank borrowings	22,412,628	11,819,527
<b>Total Non-current Liabilities</b>	<b>22,640,868</b>	<b>12,192,252</b>
<b>Total Liabilities</b>	<b>168,033,554</b>	<b>181,385,889</b>
<b>Commitments and Contingencies (Note 14)</b>		
<b>Shareholders' Equity</b>		
Ordinary shares (par value \$0.0001 per share, 500,000,000 shares authorized, 41,000,000 and 41,000,000 shares issued and outstanding as of June 30, 2024 and December 31, 2023, respectively)*	4,100	4,100
Additional paid-in capital	50,005,900	49,995,900
Retained earnings	29,252,764	9,702,316
Accumulated other comprehensive loss	(5,851,925)	(2,805,195)
<b>Total Shareholders' Equity</b>	<b>73,410,839</b>	<b>56,897,121</b>
<b>Total Liabilities and Shareholders' Equity</b>	<b>\$241,444,393</b>	<b>\$ 238,283,010</b>

The share information is presented on a retroactive basis to reflect the reorganization effected on February 27, 2024

# Unaudited Condensed Consolidated Statement of Operations and Comprehensive Income (Loss)

(Expressed in U.S Dollars)

	For the Six Months Ended June 30,	
	2024	2023
Revenues from related parties	\$ 112,287,775	\$ —
Revenues from third parties	25,790,220	—
<b>Revenues</b>	<b>138,077,995</b>	<b>—</b>
Cost of revenues – related parties	(84,435,258)	—
Cost of revenues – third parties	(26,995,841)	—
<b>Cost of revenues</b>	<b>(111,431,099)</b>	<b>—</b>
<b>Gross profit</b>	<b>26,646,896</b>	<b>—</b>
<b>Operating expenses</b>		
Selling and marketing expenses	(355,026)	—
General and administrative expenses	(3,836,158)	(1,756,468)
<b>Total operating expenses</b>	<b>(4,191,184)</b>	<b>(1,756,468)</b>
<b>Income (loss) from operations</b>	<b>22,455,712</b>	<b>(1,756,468)</b>
<b>Other expenses, net</b>		
Interest expenses, net	(1,767,661)	(165,644)
Other expenses, net	(1,137,603)	(148)
<b>Total other expenses, net</b>	<b>(2,905,264)</b>	<b>(165,792)</b>
<b>Income (loss) before income taxes</b>	<b>19,550,448</b>	<b>(1,922,260)</b>
Income tax expenses	—	—
<b>Net income (loss)</b>	<b>\$ 19,550,448</b>	<b>\$ (1,922,260)</b>
<b>Other comprehensive loss</b>		
Foreign currency translation adjustment	(3,046,730)	(1,632,089)
<b>Comprehensive income (loss)</b>	<b>\$ 16,503,718</b>	<b>\$ (3,554,349)</b>
Weighted average number of ordinary share outstanding – basic and diluted*	41,000,000	41,000,000
Earnings (loss) per share – basic and diluted*	\$ 0.48	\$ (0.05)

The share information is presented on a retroactive basis to reflect the reorganization effected on February 27, 2024

# Consolidated Statements of Cash Flows (Expressed in U.S Dollars)

For the Six Months  
Ended  
June 30,

	2024	2023
<b>Net cash provided by (used in) operating activities</b>	<b>\$ 21,798,732</b>	<b>\$ (1,860,902)</b>
<b>Cash flows from investing activities:</b>		
Purchase of property and equipment	(16,592,618)	(79,638,281)
Purchase of property and equipment from a related party	—	(4,512,810)
<b>Net cash used in investing activities</b>	<b>(16,592,618)</b>	<b>(84,151,091)</b>
<b>Cash flows from financing activities:</b>		
Capital injection from shareholders	10,000	42,360,581
Proceeds from short-term bank borrowings	34,680,563	—
Proceeds from long-term bank borrowings	11,363,413	—
Proceeds from borrowings from a related party	5,000,000	44,774,119
Repayment of borrowings to a related party	(27,992,018)	—
Payments of offering costs	(1,569,634)	(593,335)
<b>Net cash provided by financing activities</b>	<b>21,492,324</b>	<b>86,541,365</b>
Effect of exchange rate changes on cash	(1,309,108)	(1,549,580)
Net increase (decrease) in cash	<b>25,389,330</b>	<b>(1,020,208)</b>
Cash and restricted cash at beginning of period	18,997,493	2,065,448
<b>Cash and restricted cash at end of period</b>	<b>\$ 44,386,823</b>	<b>\$ 1,045,240</b>

## Supplemental cash flow information

Cash paid for interest expense to a bank	\$ 1,059,748	\$ —
Cash paid for interest expense to a related party	\$ 631,388	\$ —
Cash paid for income tax	\$ —	\$ —

## Supplemental cash flow information for non-cash operating, investing and financing activities:

Operating lease right-of-use assets obtained in exchange for operating lease liabilities	\$ —	\$ 472,163
Purchase of property, plant and equipment financed by accounts payable	\$ 23,024,401	\$ 14,749,735
Payment of offering cost financed by other payable	\$ 700,000	\$ —

## Reconciliation of cash and restricted cash to the consolidated balance sheets

	June 30, 2024	December 31, 2023
Cash	\$41,669,523	\$ 18,035,405
Restricted cash	129,635	82,195
Restricted cash, non-current	2,587,665	879,893
	<b>\$44,386,823</b>	<b>\$ 18,997,493</b>