



Disclaimer

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Agenda



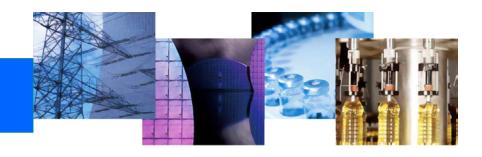
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1 · INTRODUTION

2 · CORE COMPETENCIES

3 · CORPORATE GOVERNANCE & SUSTAINABILITY

4 · FINANCIALS



01 INTRODUTION



Company Overview



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Founded in	December 29, 2004
Chairman and CEO	Lin Kuo Ching
GM	Tsao, I-Chang
Capital	763,083,120
Headquarters	No. 439-3, Taoying Rd., Taoyuan Dist., Taoyuan City
Main business	Engineering and Operation of Ultra-Pure Water and Wastewater Reclamation Systems
Number of Group Employees	1,154 (as of June 30,2025)
Listing Date	May 28,2025



Major Operating Regions



Singapore 2018 set up

Mega Union Technology Global PTE. LTD.

China

2008 set up

Shanghai Mega Union Environmental Technology Co., Ltd. Mega Union Environmental Technology (Nanjing) Co., Ltd. Shenzhen Office of Zhaolian

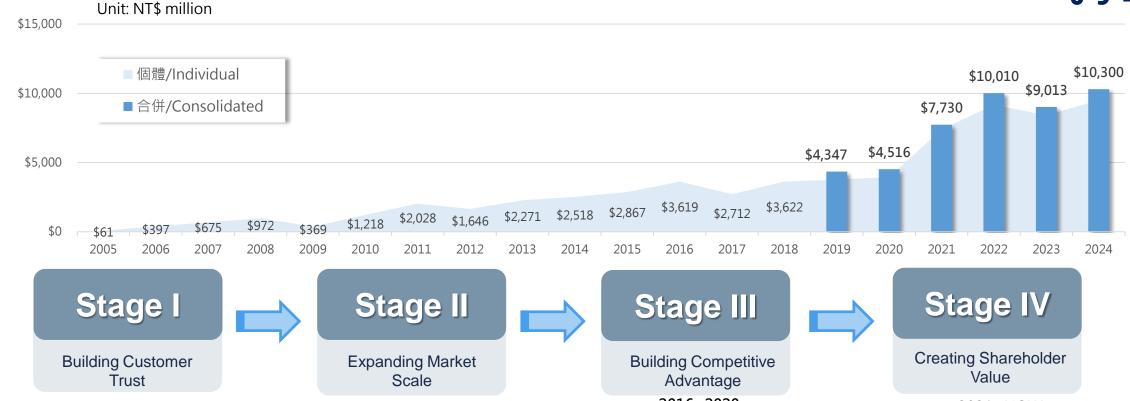
Taiwan

2004 set up

Headquarters: Taoyuan Mega Union Technical Services Inc. Manufacturing Facilities: Taoyuan, Hsinchu, Taichung, Tainan, Kaohsiung (under construction)

Operating Revenue History





2005~2010

- Company established in 2004
- Obtained ISO9001 certification in 2005
- Customer service centers in Central and Southern Taiwan established in 2008
- Mega union Shanghai founded in 2008
- Obtained OHSAS18001 certification
- Certified for waste resin recycling and reuse
- Initiated overseas water treatment equipment

2011~2015

- Sinomaterials established in 2011 (originally Xinpei Plant)
- Mega union Taoyuan Industrial Park completed in 2013
- Taoyuan Tourism Factory inaugurated
- Zhongli Incineration Plant officially transferred operations in 2015

2016~2020

- Mega union Singapore founded in 2018
- Megaunion Nanjing established
- MD laundry waste reduction technology certified
- BIM 3D design introduced in 2019
- Sinomaterials division formed
- Tainan Resource Recovery Plant
- 7 and new waste-to-energy facilities constructed

2021~NOW

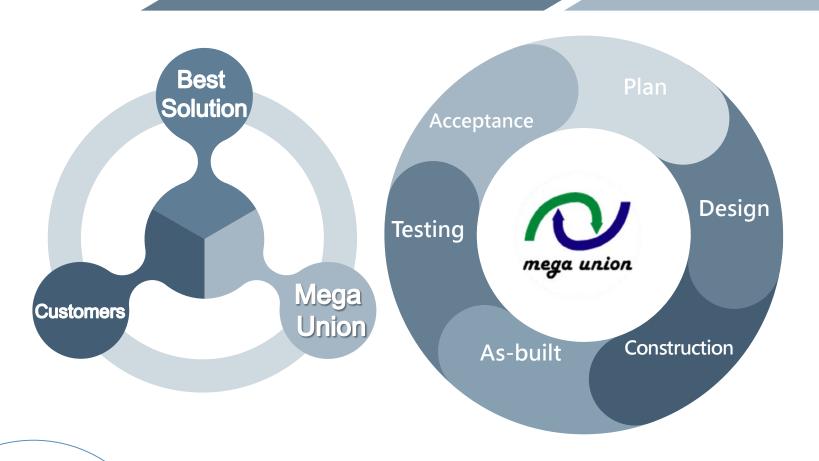
- Acquired Zhongluo lands and Taichung plant in 2021
- Public bond issuance in 2023
- Stock listing in 202
- 3Acquired Tainan sugar company lands and official buildings in 2024
- Mega union US founded in 2024



Industrial Water System Engineering

Best Solution

Turnkey Engineering for Pure Water / Wastewater Treatment / Reclamation



- Ultra-Pure Water System Engineering
- Wastewater Reclamation Systems
 - Acid-Alkali Wastewater Reuse
 - Organic Wastewater Reuse
 - Metal Ion Wastewater Reuse
 - Fluoride Wastewater Reuse
- Waste Liquid Recovery Systems
- Wastewater Treatment Systems

Water System Services and Products



System Management

--Proxy Operation; Reclaim System Maintain and Repairs.

Laboratory

--Including water quality testing, impurity analysis, etc.

Facility

Membrane Cleaning

--RO, UF, NF, and MF membrane cleaning

Resin Regeneration

--Customized cleaning chemicals and ultrapure water rinse & storage for different contaminants

Regeneration

Chemical

Chemical Product

--RO cleaning agents, acid/alkali neutralizers, oxidizers, defoamers, antiscalants, ion-exchange resins, filters, etc.

Consumables

Replacement parts

--Filters, resins, membranes, etc.



Experience & Capability Advantages

- Nearly 30 years of water utility system expertise
- Built 50+ advanced wastewater recycling systems
- 90+ professionals in planning & design
- 300+ project engineers and hundreds of safety staff
- Peak daily workforce mobilization of 2,000+



~20 professionals Custom process & new tech design Ensures water quality & cost



efficiency

~70 professional designers MEP, instrumentation & 3D design expertise Resolves piping conflicts, speeds up construction



50+ full-plant projects across Taiwan.

Expertise in semiconductors, packaging, LED & solar cells.



Experienced on-site

supervision Strong safety & standards compliance Ensures quality and ontime delivery







Testing Services – Internationally Accredited Laboratory



One-step

Exclusive in Taiwan's
 Engineering Industry
 Internationally Accredited
 Laboratory

Supporting technology R&D · Water system commissioning & verification · Chemical testing and resource recycling product validation



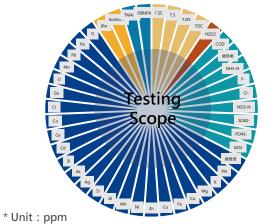




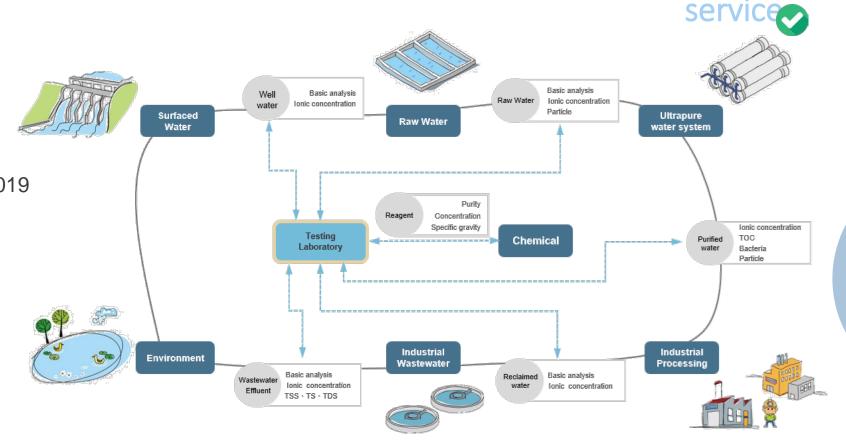
Accreditation No.: 3591

Certificate No.: L3591-190806

Initial Accreditation Date: August 6, 2019

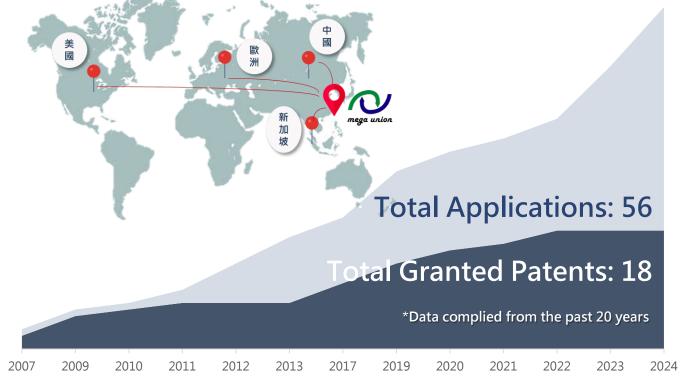


- Basic analysis
- Spectrophotometry
- Heavy Metal
- GC
- Special testing



Technical Advantages

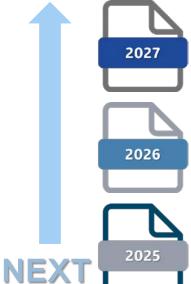
R&D Achievements and Patent Portfolio



- 1) Global Ranking: 14th in semiconductor wastewater treatment patents(MOEA IPO, Sep. 2024)
- 2) Granted Patents: Taiwan 13 | U.S. 3 | China 2
- 3) 2024 applications: Sharp growth vs. 5-year average



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- ZLD crystallization
- COD degradation
- RCW purification → ultrapure water reuse
- Phosphoric acid recovery
- ZLD electrodialysis & crystallization
- Tungsten treatment
- COD degradation
- ZLD reuse
- CCRO / FRRO systems
- ZLD electrodialysis
- Phosphoric acid recovery



Developed Technologies:8 pcs/yr Patent Applications:13 pcs/yr



Developed Technologies:6 pcs/yr Patent Applications:8 pcs/yr



Developed Technologies:7 pcs/yr Patent Applications:15 pcs/yr

Scale Advantage – Sufficient Inventory of Construction Materials, Components, and Consumables



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Logistics & Material Support

- 3+ mega projects supported
- Largest consumables stock in Taiwan
- 5,000+ items, 5,000 ping warehouse
- ERP & safety stock management
- 350+ plastic pipe welding machines









Material Management



No.1 PP Pipe Inventory in Taiwan







Accelerating Project Execution





Vertical Integration Advantages



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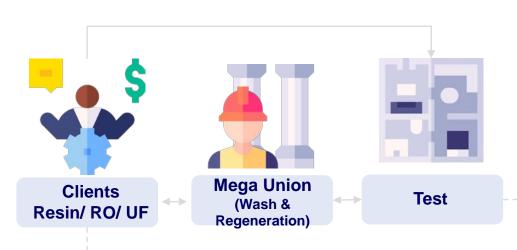
- Modularization
- StandardizedDesign
- Standardized manufacturing processes
- Improved product quality and consistency
- Smaller on-site footprint
- Faster completion
- Simplified onsite construction processes
- Improved safety during project execution
- Pre-scheduled planning
- Higher construction efficiency
- Lower project costs

Information Platform Advantages



- Systems, Consumables Recycling Platform, Resource Recovery Platform & O&M Services

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Consumable Recycling Platform (MCRP)



Data collection



Data Integration/Analysis



Improve Suggestion

Consumables
Recycling
Integrated Platform

Resource Recovery Platform



Client Benefits

Energy Saving · Waste Reduction · Resource Recovery

Data

- Track model, brand & manufacturing date
- Monitor performance & cleaning cycles
- · Plant-level analysis & statistics

Maximizing
Consumables Lifecycle

Information

- Cross-plant performance comparison
- Lifecycle tracking of RO membranes and resins

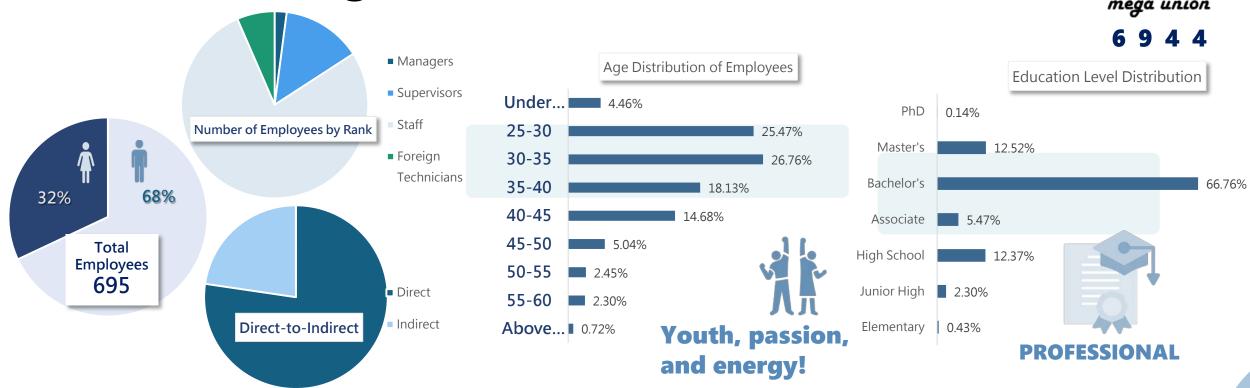
Better water system performance
Less operating labor

Knowledge

- System improvement & operational guidance
- Plant-level resource allocation recommendations

Optimized water system design Lower construction costs

Talent Advantages – Human Resources & Per Capita Productivity



Compensation Data Indicators – Revenue & Per Capita Trends over the Past Five Years							
Content	2020	2021	2022	2023	2024		
Total Revenue (Individual)	\$3,939,659	\$7,386,973	\$9,174,108	\$8,417,390	\$9,500,874		
Revenue Growth Rate	4.39%	87.50%	24.19%	-8.25%	12.87%		
Total Number of Employees 498		540	623	626	695		
Per Capita Revenue – Company	\$7,911	\$13,680	\$14,726	\$13,446	\$13,670		

Domestic Track Record



























































Client Feedback (Since 2022)





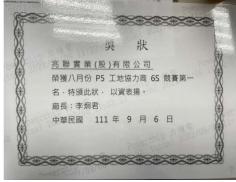




















Client Feedback (Since 2022)























Green Solutions Provider





- 1. Water Saving: 198 million tons, equivalent to 1.57 Sun Moon Lake reservoirs
- 2. Waste Reduction: 1,383 tons RO cleaning water recycled; 494 tons resin regenerated
- 3. Carbon Reduction: 35,990 tons CO₂e reduced

Calculation Basis

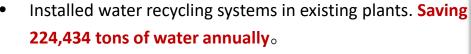
- Per capita water consumption: 0.287 tons/day/person
- Sun Moon Lake Reservoir capacity: 12,641 ×10.000 tons
- Carbon emissions factor: 0.162 kg CO₂e per kWh of water
- Based on data from the Water Resources
 Agency for carbon emissions from tap water
 supply and industrial wastewater treatment

	2022	2023	2024
	Water saving 149.77 million tons/year 1.18 Sun Moon Lake	Water saving 171.56 million tons/year 1.36 Sun Moon Lake	Water saving 198.27 million tons/year 1.57 Sun Moon Lake
***	RO Cleaning	RO Cleaning	RO Cleaning
	Volume	Volume	Volume
	1,325,120 _{kg/year}	1,419,488 _{kg/year}	1,383,760 _{kg/year}
(Resin tower	Resin Recycling	Resin Recycling	Resin Recycling
	Volume	Volume	Volume
	487,475 _{kg/year}	607,920 _{kg/year}	494,666 _{kg/year}
CO ²	27,997	31,969	35,990
	ton-CO2e	ton-CO2e	ton-CO2e

Sustainability Performance – Water, Waste & Carbon







Invested tens of millions of NT\$ in new plants to instal I water recycling and reuse systems.



MU-碳盤查 (1,304 tCO₂, 2023)

22%



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SCOPE 2, 760,

SCOPE 3, 265









Expansion to reach 170,000 kWh/month, cutting 1,007 tons CO₂e/year







Replaced air-conditioning units with energy-saving mod els





Replaced process pumps in existing plants with en ergy-efficient models



- Introduced eco-friendly packaging materials with recycling
- Reduces 36 tons of waste annually









 Proactively conducted carbon inventory since 2022, exceed ing regulatory requirements



Total company emissions in 2023: 1,304 tons CO₂e





mega union Technology, Inc

Corporate Governance

mega union

Academic Collaboration & R&D Talent Development



♦ List of Interns in the Past Five Years

		•	•	
年度	技術開發處	工程處	資材處	職安處
2019	22			
2020	.			
2022			**	
2023	**			
2024	***			****

◆ History of Industry–Academia Partnerships

j	產學合作 ▲ 近年產學合	作案投	入成本					
2021	ZZ 在反應基系依應用技術製器、氧化程字降解水中NMP與CMAc計畫		近年產學等	案投入成本		E		
2019				5)				
2018								
2017	81 R 电子架主要材料向置化返墟再利用							
		0	200	400	600	800	1000	1200

項次	開始	結束	產學合作計劃名稱	計劃 總金額 (萬)	兆聯 投入成本 (萬)	其他單位 投入成本 (萬)	合作對象	效益	研發現況進度 說明
1	2017	2018	電子業主要材料高質化循環再利用	1000	200	800	台科大/淡大/北科大/ 台大	技術	已結案
2	2018	2019	電子樂主要材料高質化循環再利用(二)	500	120	380	台科大/淡大/北科大/ 台大	技術	已結案
3	2019	2020	電子業主要材料高質化循環再利用(三)	500	200	300	台科大/淡大/北科大/ 台大	技術	己結業
4	2021	2022	微反應器系統應用技術聯盟-氧化程序降解水中 NMP與DMAc計畫	50	50	0	台灣科技大學	技術	已結案

♦ History of R&D Alternative Service Intake



Year	R&D Alternative Military Service	Current Overview
2022	1 (李〇軒)	Talent Retention & Full-Time Conversion
2023	2 (陳〇慶、楊〇孟)	Talent Retention & Full-Time Conversion
2024 24	1(王O翔)	From Industry–Academia Internships to R&D Alternative Military Service

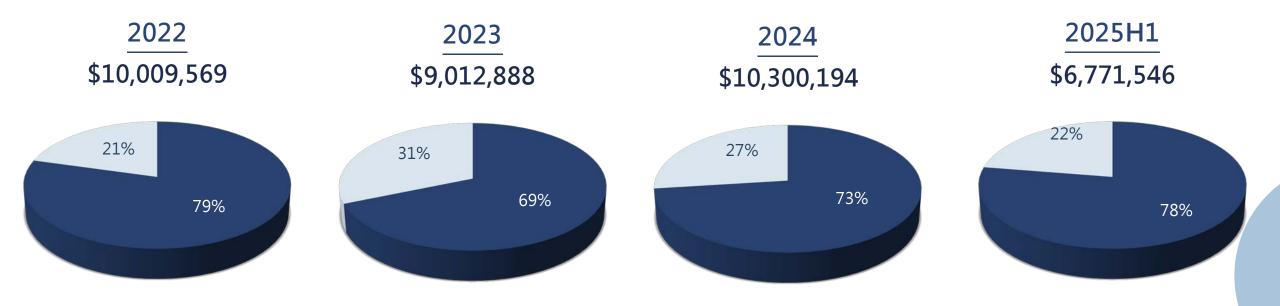
04 FINANCIALS



Financial Results



■ Construction revenue ■ Other operating revenue



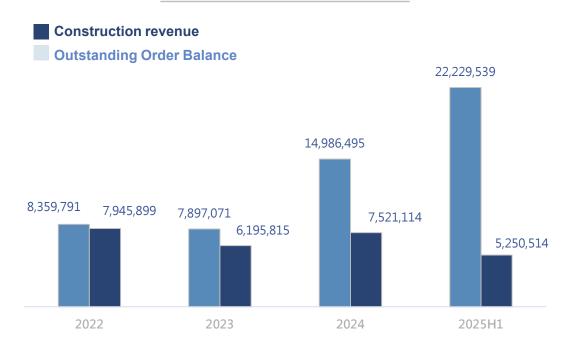
Unit: NT thousand

Revenue Expansion YoY



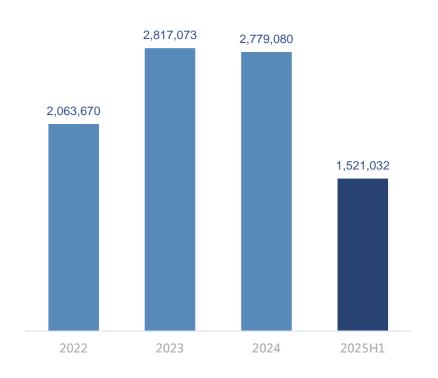
Outstanding Order Balance v.s

Construction revenue



Unit: NT thousand

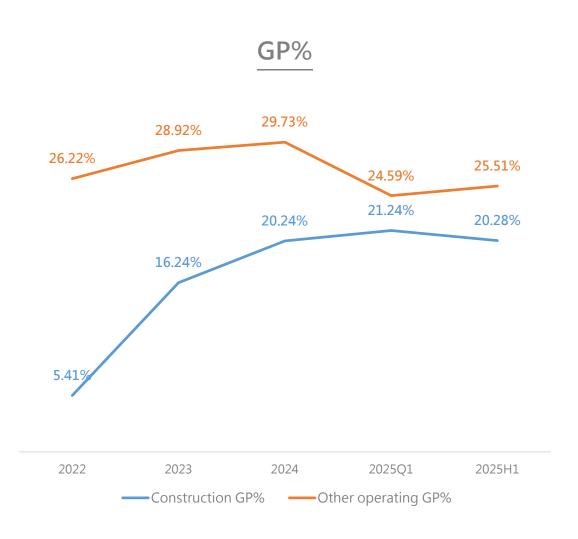
Other operating revenue



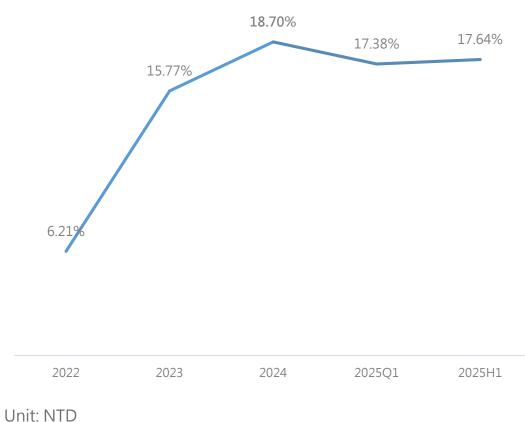
Unit: NT thousand

Gross Margin & Profitability





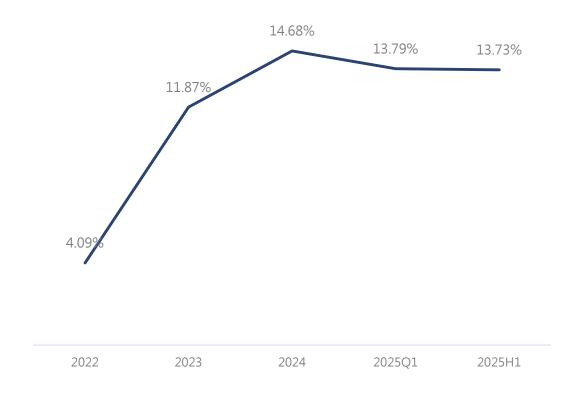
Operating Margin



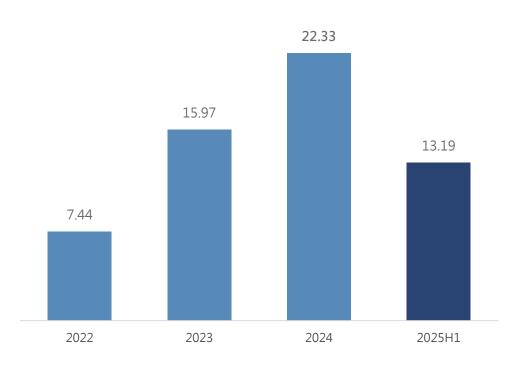
Profitability







EPS



Unit: NTD

