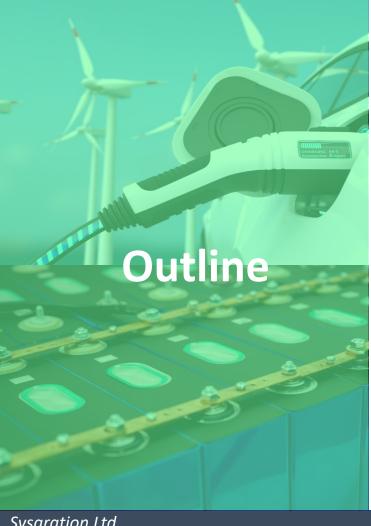


法人說明會

2024/6/12

系統電 Sysgration Ltd. (TPEX: 5309)



2024/Q1營運績效

2 事業成長策略

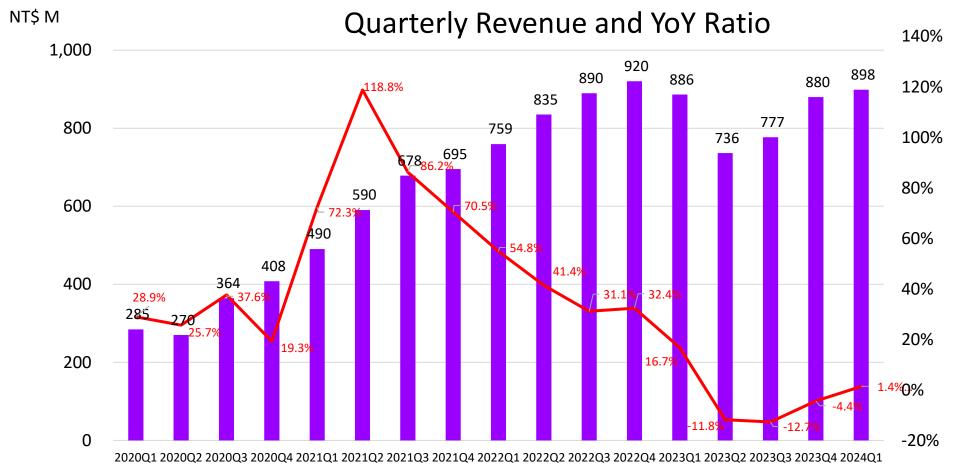
美國設廠進展

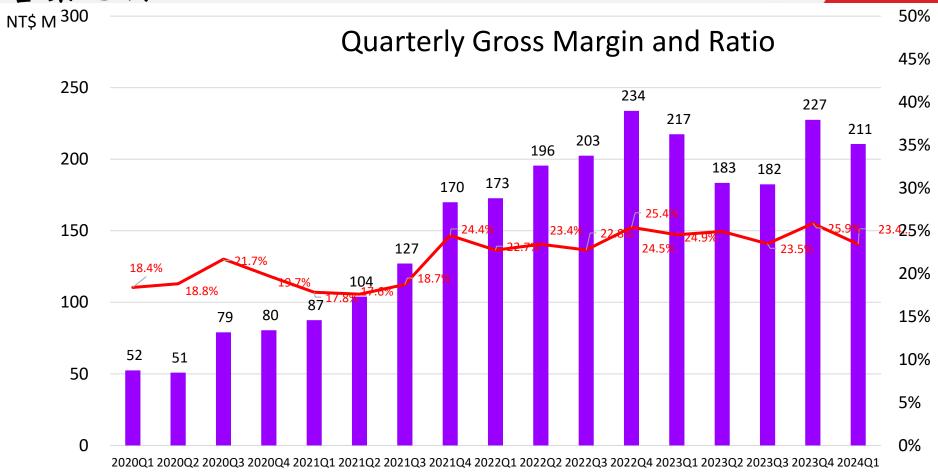
ESG永續經營



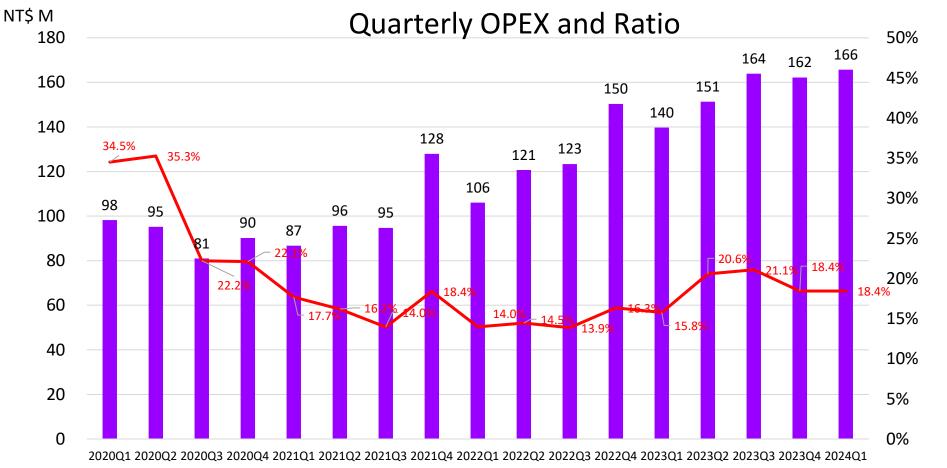
2024/Q1 營運績效







營業費用



NT\$ M

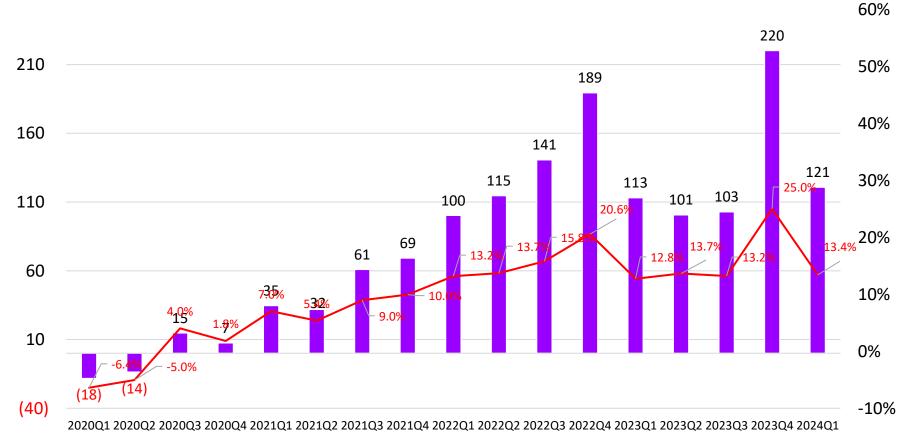
RD Expense and Ratio



EBITDA



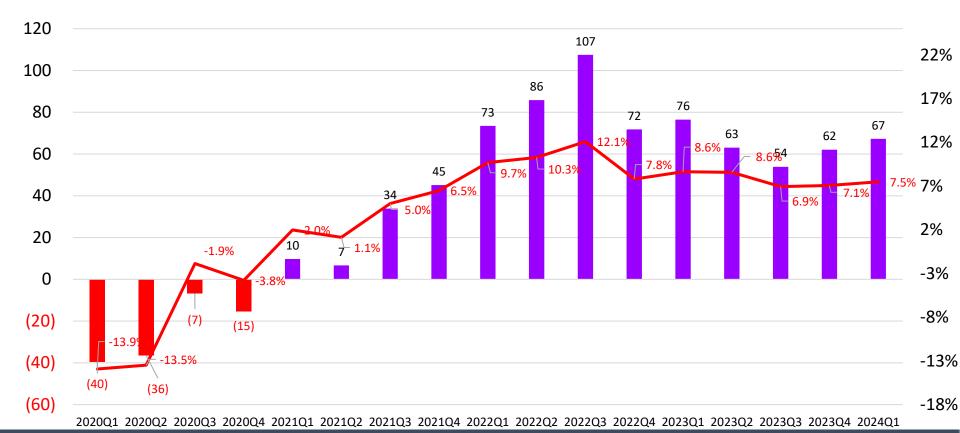
EBITDA and Ratio Over Revenue



稅後淨利

NT\$ M

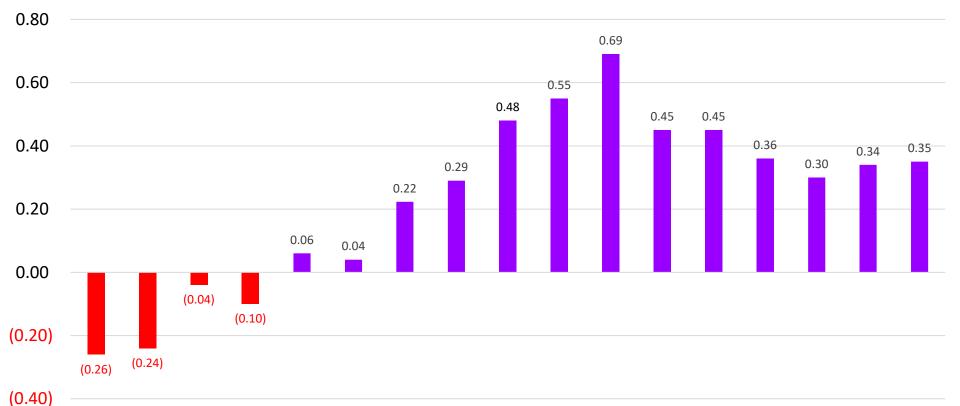
Quarterly P/L after Tax and Ratio



9



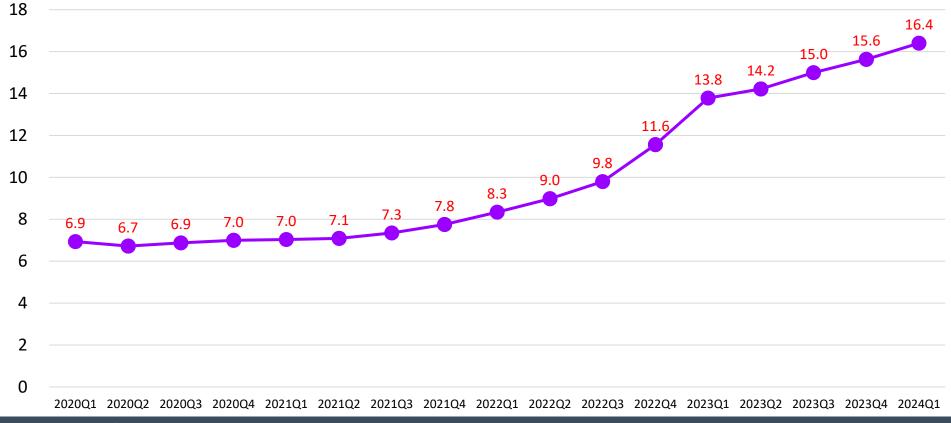
Quarterly EPS

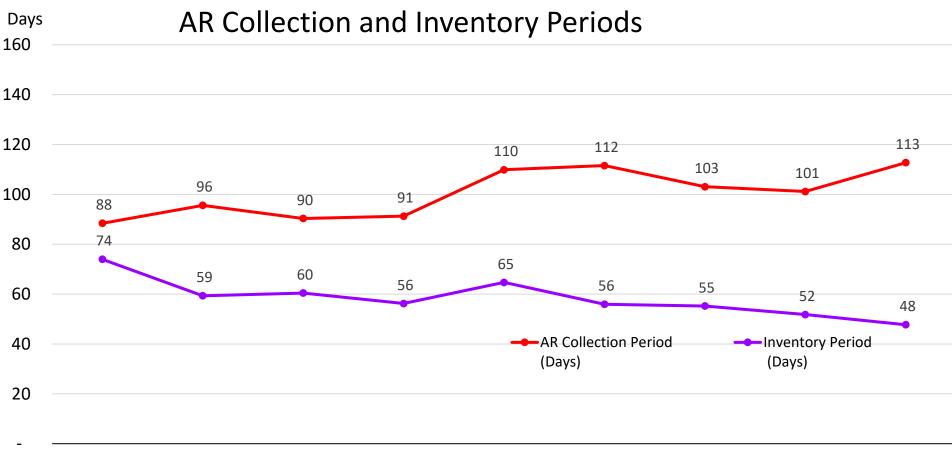


每股淨值



Net Worth Per Share





2022Q1

2022Q2

2022Q3

2023Q1

2023Q2

2023Q3

2023Q4

2022Q4

2024Q1



事業成長策略

系統電綜觀



1977

Founded



550+

Worldwide **Employees**



40+

Years Desian & Manufacturing Service Experiences



Locations Taiwan - Taipie/NanKang China - Huizhou/ZhenJiana

One Customer

System MP



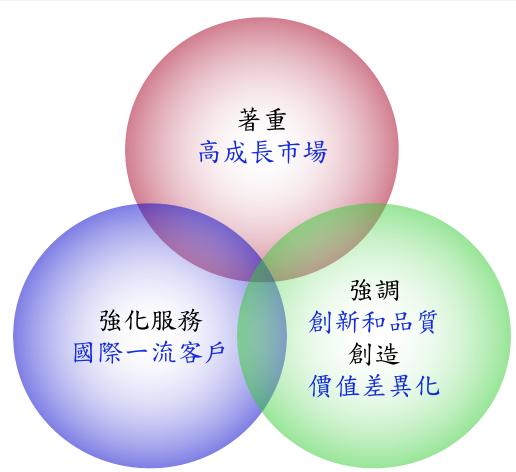
5309

TW Stock **Publicly Trade** Capital: NT\$1.8B Market Value NT\$7B



ODM/OEM Business

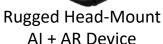
System to Japan Customer



車用電子 Automotive Solutions



Monitoring Systems



Li-Ion Battery Pack for Semiconductor Fab



能源管理 Power and Energy Management

Li-Ion Based **Energy Storage Systems**

Wireless Camera **Around-View System**

Body Control Module



Al Industrial PC

Patents



Infotainment System



EV Battery Pack



Li-Ion Based **Energy Brick**



Construction/Agriculture Vehicles CAGR ~12% by 2025



Electric Vehicles CAGR ~80% by 2025



Semiconductors CAGR ~25% by 2025



Renewable Energy Storage CAGR ~28% by 2025

未來成長動力





- Semiconductor Fab
- Community
- Data Center







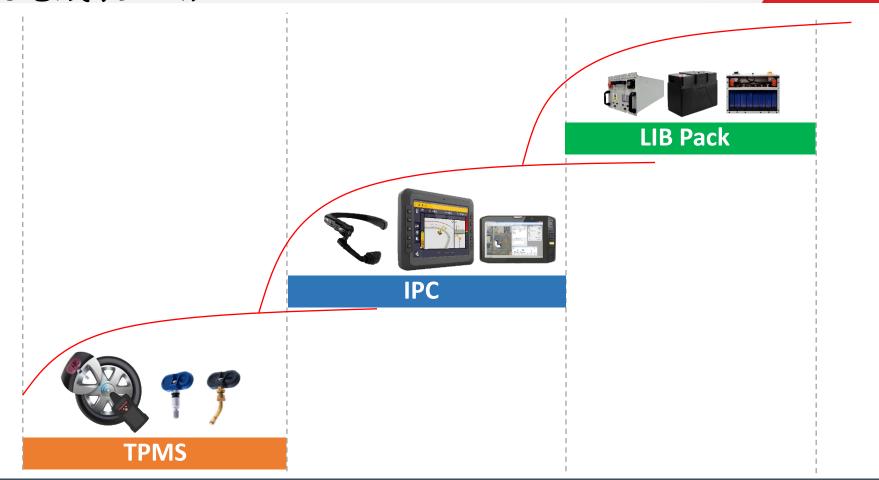


IPC

- Commercial & Industrial Vehicle
- Rugged Portable/Wearable
- Al-Driven

• OE

- Replacement
- Fleet



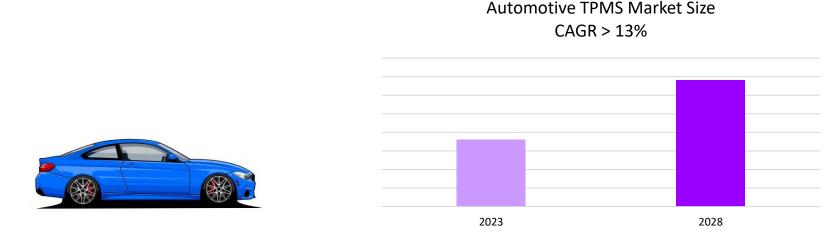
美墨關稅新政策

- ◆ 2024/4/22 Mexico Reinstates Tariff Hikes 5%~50% on 544+ Goods.
- ◆ 2024/5/14 US Tariff Increases on Chinese Imports, ~\$18B of Goods.

Category	From	То	Date		10 P
Battery Parts	7.5%	25.0%	2024/8/1		Northwestern Passages
Electric Vehicles	25.0%	100.0%	2024/8/1	Russia	1103
Facemasks	0 ~ 7.5%	25.0%	2024/8/1	Canada	Hudson Bay
Lithium-Ion EV Batteries	7.5%	25.0%	2024/8/1	Being Sea	
Lithium-ion non-EV Batteries	7.5%	25.0%	2026/1/1		ON OC
Medical Gloves	0 ~ 7.5%	25.0%	2026/1/1	Mongolia VA ur. 10	↑ NB pp
Natural Graphite	0.0%	25.0%	2026/1/1		WI MI NY NH NS
Other Critical Minerals	0.0%	25.0%	2024/8/1	See of Japan NV UT - United States China South Korea Japan	IN OH MD
Permanent Magnets	0.0%	25.0%	2026/1/1	North Pacific	AL GA SO
Semiconductors	25.0%	50.0%	2025/1/1	Ocean	Gulf of Mexico
Ship-to-Shore Cranes	0.0%	25.0%	2024/8/1	Wyamia (Burna) Philippine Saa	Cuba Puerto Rico
Solar Cells and/or Modules	25.0%	50.0%	2024/8/1	Thailand Society Communication	uatèmala Caribbean Sea Nicaragua
Steel and Aluminum Products	0 ~ 7.5%	25.0%	2024/8/1	This land Malaysia	Colombia
Syringes and Needles	0.0%	50.0%	2024/8/1	Indonesia	Ecuador
	ar To	Mozambique Mozambique e Madagascar	Indian Ocean	Papua New Gunea MT Coral Sas MA Australia MA Australia MS Outh Pacific Ocean	Peru Bolivia Chile

胎壓偵測器成長趨勢

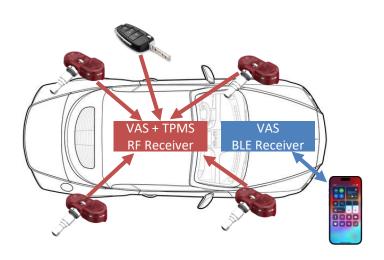
- 2023~2028 CAGR > 13%.
- Largest Market: North America.
- ◆ Fastest Growing Market: Asia-Pacific.
- ◆ New Geopolitical Growth Opportunity in North America and Europe OE Makers.

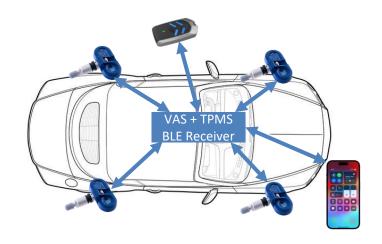


Data Source: www.mordorintelligence.com/industry-reports/automotive-tpms-market

藍牙方案成為全球胎壓偵測器成長趨勢

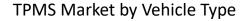
- ◆ Market Preference on ADAS Plays a Significant Role in TPMS Growth.
- "Phone as A Key" Drives VAS (Vehicle Access System) from RF to BLE/UWB.
- ◆ Adopting BLE TPMS Helps Automakers to Eliminate the Dedicated RF Receiver.
- ◆ Technology Matures to Reach Good Performance/Price Ratio for Mass Adoption.

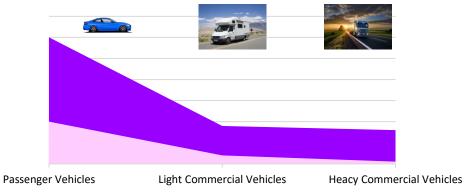




商用車胎壓偵測器成長機會

- TPMS Become a Compulsory Fitment for Commercial Vehicle across Europe:
 - > on M1, M2, M3, N1, N2, N3, O3, and O4 vehicles (trucks, trailers, buses, coaches)
 - > from 2022/7: new type approvals, and
 - from 2024/7: all new vehicles for registration.
- ◆ BLE TPMS Excellent for Commercial Vehicles and Fleets. Margin is Most Lucrative.
- ◆ A US Truck OE is evaluating BLE TPMS for their FCEV Truck.
- ◆ Top Tire Makers are adapting BLE TPMS as part of their Fleet Solution.





系統電胎壓偵測器市場評價

- Ranked by Key Component Suppliers as WW #5.
- Recognized by WW Market Reports as One Global Key Player.

Key Players

Schrader, Baolong, Pacific Industrial, Continental AG, Huf Group, TRW,

Sysgration, Dias Automotive Electronic Systems, Sate, Steelmate and Other

Data Source: www.researchforetell.com

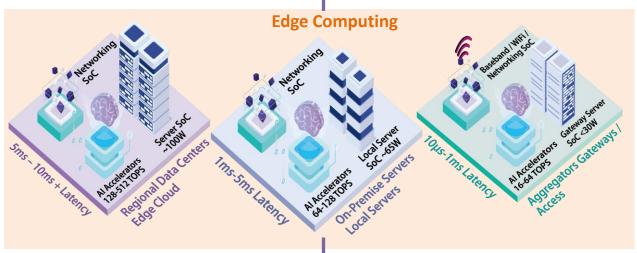
AI產業運算架構趨勢

- ◆ Computing power demanded by AI gradually shifts from Cloud Servers to Edge Computing and Smart Devices (on-device AI).
- ◆ Markets for Edge Computing & Smart Devices are expected to experience significant growth and expansion.
- ◆ USA President Biden signed a \$1.2 trillion infrastructure investment and jobs act covering:
 - > Environmental restoration and green infrastructure.
 - > Transportation infrastructure and safety facilities.
 - > Public utility infrastructure.
 - > Electric vehicles and infrastructure.
- ◆ Growing demands for Smart Construction & Precision Agriculture accelerated the adoption of AI and IoT applications.

AI新走向:分散式邊緣運算



AMD MI325X 2,614 TOPS NVIDIA H200 1,979 TOPS



NVIDIA Jetson AGX Orin 275 TOPS Qualcomm QCS9100 100 TOPS



Edge devices with on-device AI

4-20 TOPS < 8W

10-50 TOPS < 20W

30-70 TOPS < 30W

















AMD Ryzen AI 9 365/370 50TOPS

Qualcomm X Elite 45 TOPS

NVIDIA Jetson Orin Nano 40 TOPS

Qualcomm QCS6490 13 TOPS



AI伺服器與邊緣運算成長趨勢

Market	Server	PC	Laptop	Smartphone	Industrial PC
Current Value (2024)	USD 153.9 billion	USD 201.8 billion	USD 120.84 billion	USD 493.08 billion	USD 6.05 billion
Projected Growth (2030)	USD 200 billion	USD 300 billion	USD 179 billion	USD 735 billion	USD 9.94 billion
CAGR	11.40%	6.0% - 7.8%	6.0% - 7.3%	6.85%	7.30%
Impact of AI	Enhanced data processing, predictive maintenance, Al-driven analytics	Enhanced productivity, security, performance, and user experience	Enhanced productivity tools, customization, and security features		Smart manufacturing, predictive maintenance, real- time analytics
Al-Driven Market Value Projection (2030)	USD 230 billion	USD 350 billion	USD 200 billion	USD 790 billion	USD 15.8 billion
Sources	IDC, Expert Market Research, Technavio	IDC, Gartner, Future Market Insights	Canalys, Fortunly, Cognitive Market Research	IDC, Canalys, Market Data Forecast	Maximize Market Research, Future Market Insights

AI增值應用場景垂直市場

Rugged AloV Computing & Control

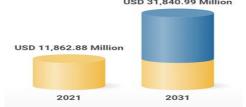






Global Autonomous Construction Market
Market forecast to grow at a CAGR of 10.4%

USD 31,840.99 Million



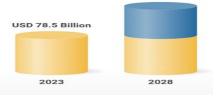
Rugged Handheld AloT Device





Global Geospatial Analytics Market

Market forecast to grow at a CAGR of 12.6%



USD 141.9 Billion

2030

Enterprise Wearable AIR Device





Global Augmented Reality Market Market forecast to grow at a CAGR of 36.8%

USD 289.05 Billion

2023

X realwear.

- Global No.1 Enterprise AR Head Mount Device/Smart Glasses.
- 41 of Fortune 100 Companies have deployed RealWear devices.























Al Integration







Manufacturing

Comprehensive Cooperation Strategy Partner

自主移動機器人成長趨勢

- ◆ Expected to see substantial growth over the next decade:
 - \triangleright Expert Market Research: \$3.96B in 2024 \rightarrow \$9.47B by 2029, CAGR 18.5%.
 - \triangleright Coherent Insights: \$2.96B in 2023 \rightarrow \$8.47B by 2030, CAGR 16.2%.
- ◆ Key Application Areas:
 - ➤ Manufacturing (75% of AMR revenue in 2022, based on Grand View Research)
 - > Logistics.
 - ➤ Warehouses.
 - > Fulfillment centers.







電統能源市場與主要產品















Energy Storage Systems (ESS)





Energy Brick



ESS Battery Rack





Container ESS

Active Power







Volume Up from 2025



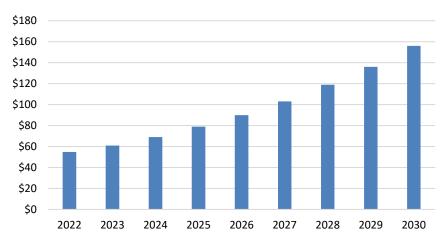
Telecom SMR Battery Rack



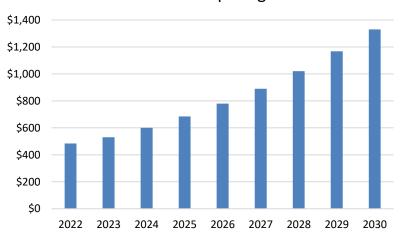
Global DC colocation market size was US\$55B in 2022, with 14.2% CAGR from 2023~2030.

Global cloud computing market size was US\$484B in 2022, with 14.1% CAGR from 2023~2030

Global Data Center Market Size



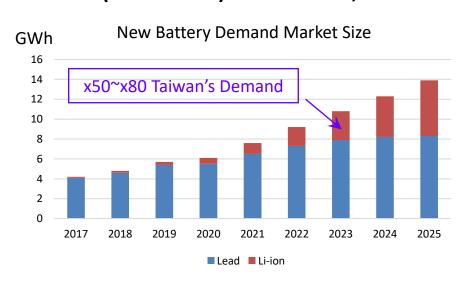
Global Cloud Computing Market



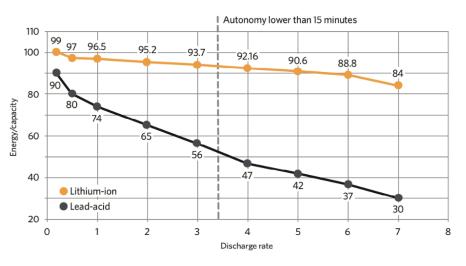
With 10% Lead-Acid to LIB Transformation Rate, around US\$700M LIB Business in 2022.

Source http://www.grandviewresearch.com

Annual Battery Demands in US/EU CAGR (2023~2025): Total 13.4%, LIB 38.9%



Telecom & Data Center Market



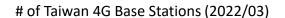
Lead-Acid vs Li-Ion Battery Discharge Efficiency

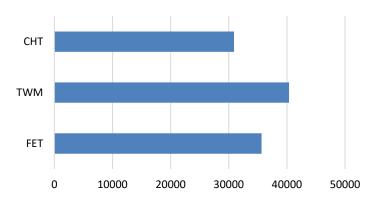
https://www.cibsejournal.com/technical/battery-technology-vrla-or-li-ion-batteries/https://www.datacenterknowledge.com/business/intel-make-altera-unit-standalone-business#close-modal

電信基地台SMR市場趨勢

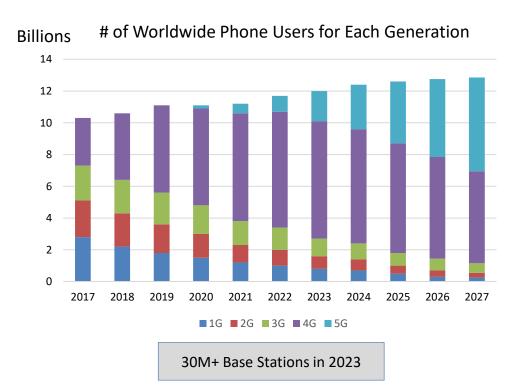








- 100K+ Base Stations for Taiwan 4G Services
- In Average 270 People/Unit





美國設廠進展

SYSGRATION **Global Footprint**

Headquarter with majority of R&D located in Taipei, Taiwan.

Multiple production bases including 2 located in China, 1 Taiwan, and 1 in US.

Each factory is fully equipped for full system production (from PCBA SMT/DIP to full unit Assembly/Test/Packing).

Flexible to allocate production resources to meet different logistic needs.



Sysgration Headquarter

Location: Neihu, Taipei,

Taiwan

Sales, R&D, PM, SCM



Sysgration Nankang Factory (NKS)

Location: Nankang,

Nantou, Taiwan

TPMS, IPC, ESS



Sysgration US

Location: Texas, US

PCBA, TPMS,

IPC, AR, BBU/ESS



High Speed SMT Line



Auto Insertion Line



Sysgration Huizhou Factory (HZS)

Location: Huizhou, Guangdong, China

TPMS



Sysgration Zhenjiang Factory (ZJS)

Location: Zhenjiang,

Jiangsu, China

ESS, Li-Ion Battery Pack

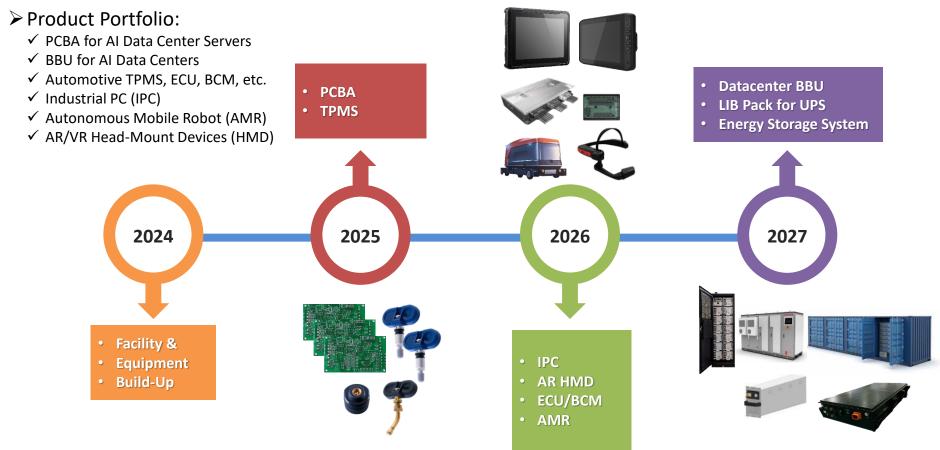




Automatic Production Line

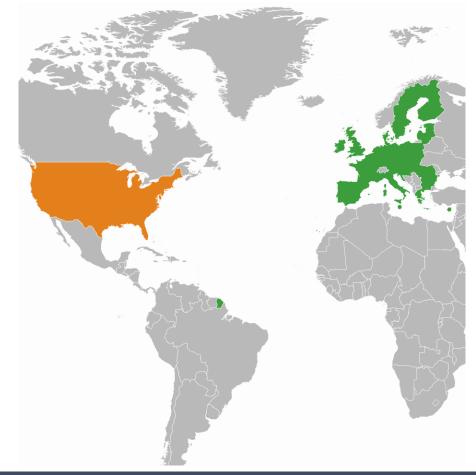


美國德州Plano廠時程及產品規劃



SYSGRATION®

美國德州Plano廠主要目標市場





ESG永續經營

榮獲Asia Sustainability Reporting Awards 四項提名 SYSC

SYSGRATION®

Taiwan Finalists	Capital (NT\$ B)	Report (Large Company)	First Time	Goverance	CEO Letter	Human Right	SDG	Materialty	Stakeholder	Climate	Environment Impact	Workplace	Diversity	Supply Chain	Community Impact	Items of Finalists	Award Winner
Innolux	90.8				Gold	Silver	V	٧	V		٧	Bronze	٧	٧	٧	10	3
E Ink	11.4	Gold		Gold				Gold	Bronze		٧			Gold	Gold	7	6
Sinyi Realty	7.4			Silver	٧		Silver		Silver				٧	٧		6	3
Asustek	7.4	٧						٧		V	٧			٧		5	0
Taishin Financial Holding	13.5	Silver						Silver	Gold			٧		٧		5	3
Sysgration	1.8				V		Bronze			V		V				4	1
Cathay Financial	162.0	٧						٧				٧	٧			4	0
AUO	77.0					Gold				V	٧			Bronze		4	2
Cathay Century Insurance	3.3						٧		V	V						3	0
Hon Hai	138.6	٧												٧		2	0
Cathay Securities	7.7		Bronze						V							2	1
Cathay Life Insurance	63.5									Gold						1	1

https://www.csrworks.com/asra/winners-2023/



BRONZE

Asia Sustainability Reporting Awards 2023

Asia's Best SDG Reporting



榮獲天下雜誌TRIPs企業減碳溫度計1.5°C標章



Methodology | CW Sustainability

Taiwanese corporations' Ambition of Carbon Reduction

How ambitious Taiwanese corporations are regarding carbon reduction? According to the TRIPs, more than 100 corporations in Taiwan have made a clear commitment to net-zero emissions or carbon neutrality by joining the Science-Based Target Reduction Initiative (SBTi), the Renewable Energy 100 percent (RE100) organization, or by announcing it in the "Excellence in Corporate Social Responsibility Award" or on public occasions. According to the information actively provided and passively disclosed, the current percentage of corporate ranked "Excellent" and "Good" is over 35%.















2022

Level 6~20%, Rank #2



臺灣證券交易所公司治理評鑑 https://cgc.twse.com.tw/evaluationCorp/listCh



Level 1~5%, Rank #1 for Both TPEX Companies
Market Value NT\$5B~10B Companies





提問討論

Sysgration Ltd. 44 2024/6/12

