



Industrial Automation Technology
Innovator and Enhancer.

ICP DAS CO.,LTD.

Investor Conference

Date : 2024 / 9 / 26 (Thu.)

Time : 3 P.M.

Location : The first floor meeting room at ICP DAS CO., LTD.

ICP DAS CO., LTD.

www.icpdas.com



Agenda

01

ICP DAS CO.,LTD.
INTRODUCTION

02

Financial Result

03

Q&A



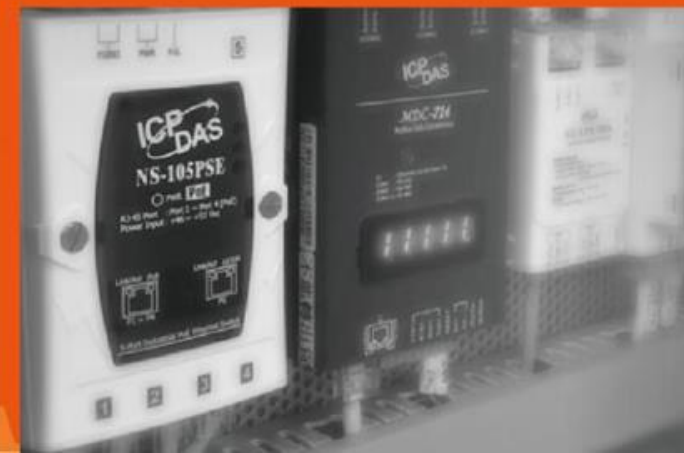
Industrial Automation Technology
Innovator and Enhancer.

總經理

President

-Good at Marketing & PM

鄭樹發 Frank Cheng



ICP DAS CO., LTD.

www.icpdas.com

01

ICP DAS's INTRODUCTION



ICP DAS



Established in 1993

ICP DAS strives for developing advanced remote I/O controllers, distributed I/O modules, and I/O data acquisition boards as well as providing the total industrial automation solutions and complete after-sales services.



Officially listed on Taiwan OTC Market in Jan. 2009

To maintain the position of technology-leading platform provider, ICP DAS invests heavily in R&D and has excellent R&D team to provide the best solutions and innovative products.



Total capital 639 million TWD

As one of the domestic outstanding suppliers, our profits have grown steadily year by year. We offer a comprehensive set of service in U.S., Europe, China and etc. ICP DAS always maintains our high-quality and reliable products to get worldwide clients' affirmation and support.



ISO Certificate

ISO 9001 : 2015 Quality management systems
Developed by International Standards Organization.



Business Philosophy

Shareholder

***Create win-win
situations***

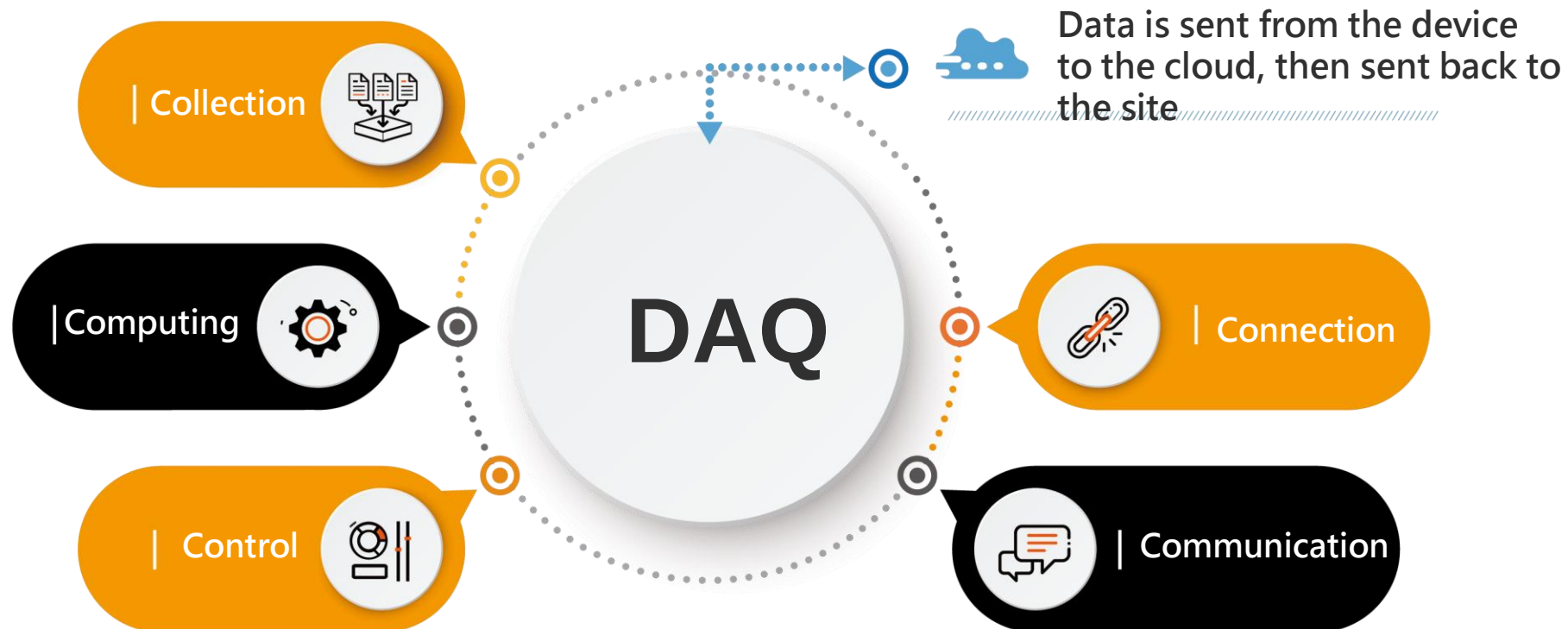
Customer

Employee

***Integrity and
sustainable
operation***

Distributor



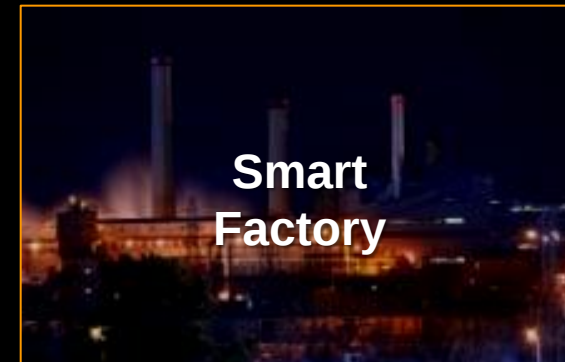
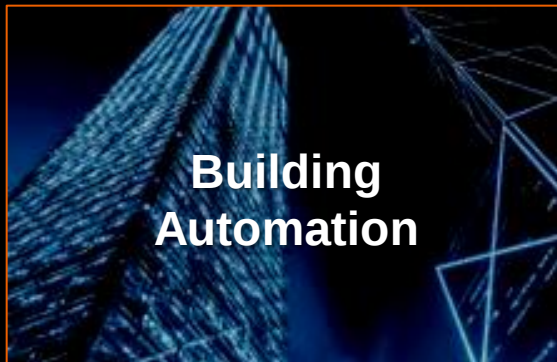


ICP DAS' core technology develops from five aspects: collection, computing, control, communication, and data connection. By sending the collected data to the cloud for management, this creates the one-stop management solution while providing customers convenience and flexible applications in various application fields.

By collecting big data and processing it flexibly, managers can make decisions, further optimize work processes, strengthen personnel management and improve productivity.



Application Fields' Solutions





Taiwan Branch Offices



Banqiao Office

16F-1, No. 33, Section 1, Minsheng Road, Banqiao District, New Taipei City 22069
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Xindian Office

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Tel : +886-2-8919-2220 Fax : +886-2-8919-2221



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No. 111, Guangfu N. Rd., Hukou Township,
Hsinchu County 30351, Taiwan, R.O.C. (Hsinchu Industrial Zone)
Tel : +886-3-597-3366 Fax : +886-3-597-3733



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24F-1, No. 360, Section 2, Taiwan Avenue, North District,
Taichung City 40453
Tel : +886-4-2328-5522 Fax : +886-4-2328-3389



Kaohsiung Office

3F, No. 505, Zhongshan 2nd Road, Qianjin District, Kaohsiung City 80146
Tel : +886-7-215-7688 Fax : +886-7-216-2602





Greater China Sales and Services



ICP DAS CO., LTD.

No.111, Guangfu N. Rd., Hukou Township,
Hsinchu County 30351, Taiwan (R.O.C.)



SHANGHAI GOLDEN ICP DAS INTERNATIONAL TRADE CO., LTD.



ICP DAS (WUHAN) CO., LTD.



BEIJING
Sales office



SUZHOU
Sales office



XIAN
Sales office



CHENGDU
Sales office



CHONGQING
Sales office



SHENZHEN
Sales office



Global Distributor

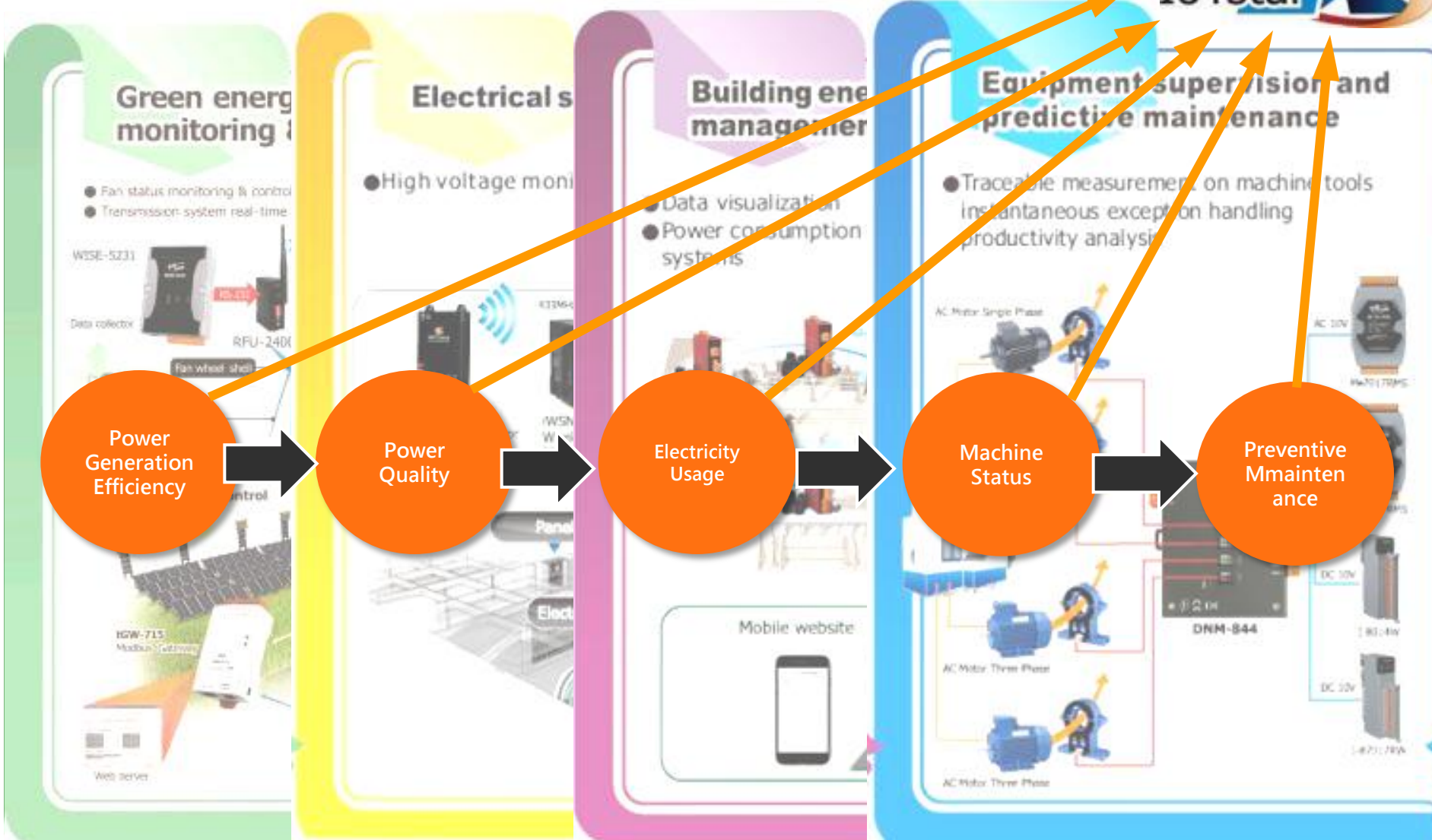


02

Operational overview : Products & marketing strategy

Energy management solutions

- Power generation • Transmission • Power distribution •
- Electricity Consumption • Energy saving •



ICP DAS 溫格科技
ICP DAS CO., LTD.



ICP DAS 泓格科技
ICP DAS CO., LTD.

能源使用效率



空氣品質監測

數據可視化 即時量測 即時告警 資料儲存



物聯網雲端管理

可以透過 Line APP 及網頁介面方式管理感測器及 I/O 模組並進行即時與歷史資料的查詢與顯示

WISE-5231M-4GE
邊緣運算控制器

CL-20A-C

甲烷(CH4)

空氣品質

CH₄

甲烷

DLW-1000 系列

微型氣象站

空氣品質

CO CO₂ PM1 PM2.5

一氧化碳 二氧化碳

PM10 總揮發性有機物

PM10 總揮發性有機物

PM10 總揮發性有機物

氣象資訊

溫度 濕度 光照度 雨量

風速 風向 大氣壓力 海平面高度

DLW-2360

室外空氣品質偵測

空氣品質

CO CO₂ PM1 PM2.5

一氧化碳 二氧化碳

PM10 總揮發性有機物

PM10 總揮發性有機物

PM10 總揮發性有機物

氣象資訊

溫度 濕度

DL-1000 系列

室內空氣品質偵測

空氣品質

CO CO₂ PM1 PM2.5

一氧化碳 二氧化碳

PM10 總揮發性有機物

PM10 總揮發性有機物

PM10 總揮發性有機物

氣象資訊

溫度 濕度



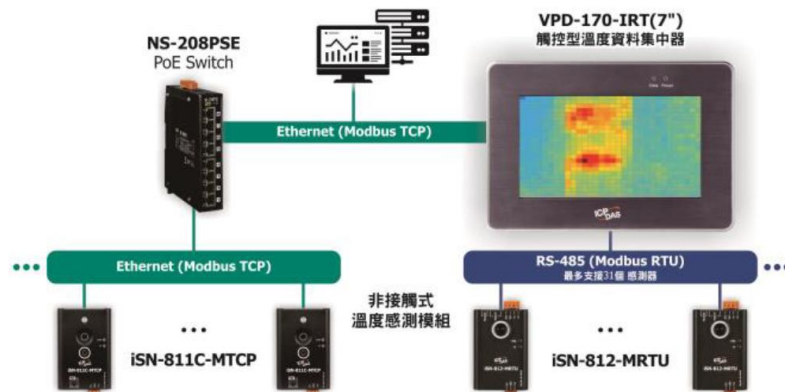
E-Catalog
工業物聯網：環境
感測、微型氣象站



IIoT: Environmental
Monitoring, Mini
Weather Station

紅外線熱顯像解決方案

- 非接觸、矩陣式持續監測盤內溫度。
- 支援 Modbus/MQTT/RESTful 通訊協議。
- 人機集中管理，透過可視監控功能，使各區狀態清晰可見。
- 完整數據紀錄功能，全面捕捉盤內溫度的變化趨勢。



整合熱成像與現場影像

- ISN-811C-MTCP 是電氣異常、機械過溫、設備巡查、與其他故障排除的首選工具。
- 使用熱顯像感測器和可見光攝影機，提供融合式雙重影像資訊，可快速發現問題。



量測視角

型號	像素	待測物距離 (m)	量測範圍 (寬)	量測範圍 (高)
ISN-811-MRTU	8x8	1m	1.15m	1.15m
ISN-811C-MTCP		25cm	28cm	28cm
ISN-812	32x24	1m	2.86m	1.53m
		25cm	71.5cm	38cm



E-Catalog
熱顯像產品

設備振動監診解決方案

🔍 採集 📁 紀錄 📡 監控



多通道快速溫度量測



高速 USB I/O 模組



EtherCAT® 高速自動化解決方案

- 主站最大支援 64 軸運動控制
- 主站最大支援 512 從站模組資料讀寫
- 多樣化運動功能：P-to-P (點對點)、Line(線)、Circle (圓)、3D-arc(三維圓弧)、Helix(螺旋)
- 符合EtherCAT通訊與CiA402標準
- 支援第三方 EtherCAT 從站設備
- Motion API 提供快速的應用開發
- 多種 Coupler 與 Junction 模組，讓佈線靈活而且減少纜線
- 硬體緊急停止功能



IT 與 OT 輕鬆整合 設備連網上雲端

數據加密與安全

提供 OPC UA, MQTT, SNMP,
RESTful API 通訊服務

行動裝置通知

智能控制

OT 資料直接寫入
資料庫與資料補遺雲端與
行動裝置

數據整合

資料擷取
與轉換

Data Base

U-7000
OPC UA I/O 模組OPC UA / MQTT
(支援 UA-2x/52/72xx)
RESTful
(支援 UA-28xx)UA-2000/5000/7000
OPC UA 通訊伺服器E-Catalog
UA系列/BRK系列
雲端物聯網解決方案

AIB-2941M Edge AI 控制器

訓練
過程數據收集
電流電壓訊號
溫度訊號
振動訊號 ...
訓練資料集

CPU/GPU 平台 / Cloud 平台

數據處理

特徵提取

特徵選擇

模型訓練

佈署

I-7000/
M-7000
I/O 模組ET-7000/
ET-2000
I/O 模組XV/ XB
I/O 擴充板

I/O Bus

Ethernet

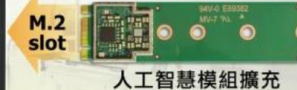
RS-485



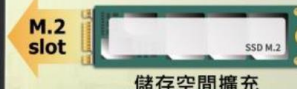
溫度

電流/電壓

振動



人工智慧模組擴充



儲存空間擴充

AIB-2941M

推
理
過
程數據輸入
電流電壓訊號
溫度訊號
振動訊號 ...
新資料AI 模型
• LSTM
• CNN
• Semi-supervised deep learning

訓練過模型

RUL
剩餘使用
壽命預測E-Catalog
AIB-2941M
Edge AI 控制器



Let ICP DAS be your best partner for IIoT

- Innovative Design
- 100%QC
- High quality products
- Stable production performance



- OEM/ODM
- Professional services
- Made in Taiwan
- Deliver in time
- Global supply



ICP DAS BMP - Medical grade TPU Product Series
- Complete specifications

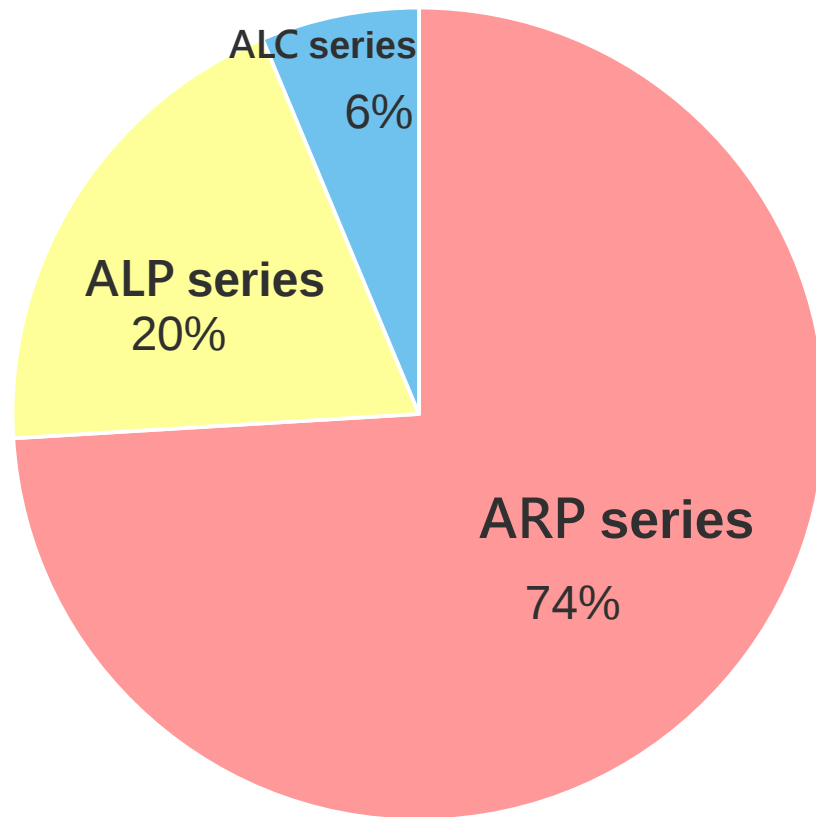
	Specification	BMP Series
01	聚醚芳香族聚氨酯 (Aromatic Polyether-based) 75A-70D	Arothane™/ARP
02	聚醚脂肪族聚氨酯 (Aliphatic Polyether-based) 75A-70D	Alithane™/ALP
03	聚碳酸酯脂肪族聚氨酯 (Aliphatic Polycarbonate-based) 75A-70D	Durathane™/ALC
04	聚碳酸酯芳香族聚氨酯 (Coming soon) (Aromatic Polycarbonate-based)	Durathane™/ARC

* There's no color matching for TPU with Tungsten powder.



2024 H1 Sales

Proportion of series



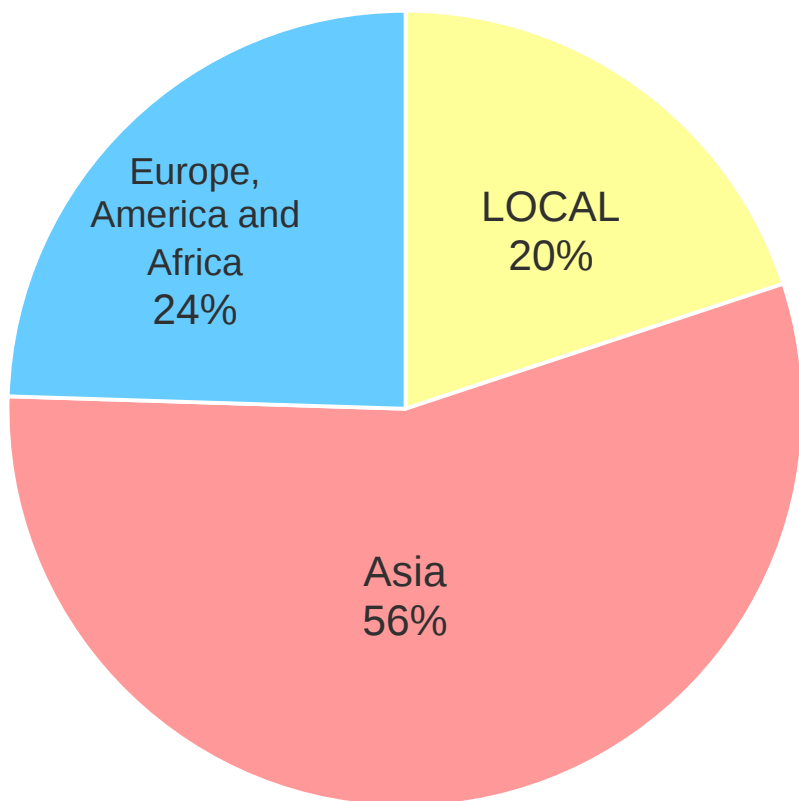
Product Advantages :

- The specifications are complete.(More than 100 kinds.)
- Developable 、 Available for color matching.
- Short delivery time.
- Stable quality.



2024 H1 Sales

Proportion of regional sales



2024 H1 sales Double

It takes a long time for medical materials to go from sample and certification to marketability.

After the epidemic, we will start to actively participate in the exhibition layout in 2023.

There are more than 140 sample customers. This year, there will be one after another

The customer enters the batch sample and applies for medical material certification.

Fermentation is expected to begin in 2025.

2024 Exhibitions

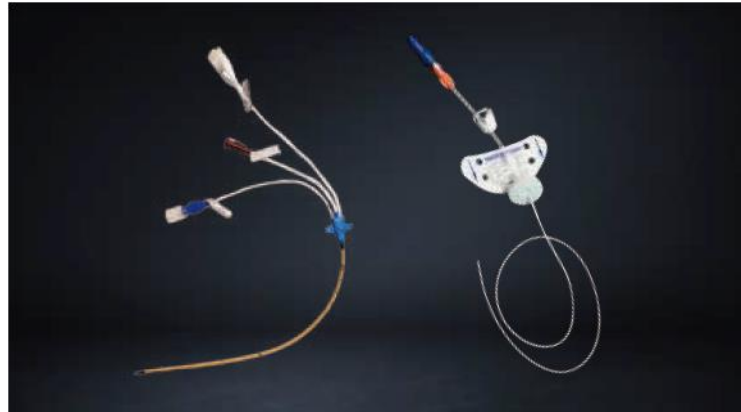
- 2024/02月 MD&M West America
- 2024/04月 CMEF Shanghai China
- 2024/04月 Medtec Japan Japan
- 2024/09月 Medtec China China
- 2024/11月 Compamed Germany



TUP Application



Cancer treatment devices



Central venous catheter



Gastrointestinal devices



Urology catheters



Dental orthodontics



Loach guidewire



ARP-B20 / ALC-B40

ARP-B20 / ALC-B40 Series passed ISO 10993-60

90-day implantation test and demonstrated long-term biocompatibility.

Meet the application needs of long-term invasive or implantable medical devices.





2024 NEW Soft ARP



ICP DAS
BMP



Soft Arothane™ ARP Series

Medical Grade Aromatic Polyether-Based
Thermoplastic Polyurethane (TPU)

- ✓ Hardness below 70A without any plasticizer
- ✓ Good physical properties
- ✓ Color-Matched
- ✓ Suitable for injection molding and extrusion

Soft Arothane™

因應市場需求，泓格生醫已陸續推出硬度低於 70A 的軟料 ARP 系列產品(Soft ARP)。

適用：擠出、射出

應用：醫療線纜連接頭、球囊、彈簧鞘管等



2024 NEW EARP Series



Engineering Arothane™ EARP Series

Medical Grade Rigid Aromatic Polyether-
Based Thermoplastic Polyurethane (TPU)



- ✓ Good mechanical properties and biocompatibility
- ✓ Higher glass transition temperature (Tg)
- ✓ Color-Matched
- ✓ Suitable for injection molding and extrusion

工程塑膠 Engineering Arothane™ (EARP 系列) 材料。此醫療級芳香族硬質 TPU (EARP 系列) 具有：

- 優異的加工性
- 高玻璃轉化溫度 (Tg)
- 卓越的透光性

適用：擠出、射出

應用：硬質醫療連接頭、體外循環管等

About ICP DAS



WEBSITE

www.icpdas.com



BLOG

www.icpdas.blog



E-NEWS



LINKEDIN

www.linkedin.com/company/icpdas-tw



FACEBOOK

www.facebook.com/ICPDASTW



YOUTUBE

www.youtube.com/user/icpdas



Industrial Automation Technology
Innovator and Enhancer.

財務長CFO

發言人Spokesman

鄭碧玉 Serena Cheng



ICP DAS CO., LTD.

www.icpdas.com

03

Operating Performance



合併損益表

Statement of Comprehensive Income

單位：新台幣仟元；元 Unit: NT\$ thousands；NT\$	2024Q1		2024Q2		2023Q2		2024Q1~Q2		2023Q1~Q2		季比 QoQ	年比 YoY
合併財務報表 Consolidated Financial Statements	金額	%	金額	%	金額	%	金額	%	金額	%	%	%
營業收入 Operating revenue	234,855	100	251,690	100	216,668	100	486,545	100	487,989	100	7.17%	-0.30%
銷貨成本 Operating costs	121,534	52	109,804	44	108,625	50	231,338	47	227,577	46	-9.65%	1.65%
銷貨毛利 Gross profit (loss) from operations	113,321	48	141,886	56	108,043	50	255,207	53	260,412	54	25.21%	-2.00%
營業費用 Operating expenses	106,270	45	111,609	44	106,875	49	217,879	45	213,317	44	5.02%	2.14%
營業淨利 Net operating income (loss)	7,487	3	30,818	12	1,749	1	38,305	8	48,159	10	311.62%	-20.46%
營業外收入及支出 Non-operating income and expenses	4,608	2	3,351	2	1,094	-	7,959	1	648	-	-27.28%	1,128.24%
稅前淨利 Profit (loss) from continuing operations before tax	12,095	5	34,169	14	2,843	1	46,264	9	48,807	10	182.51%	-5.21%
本期淨利 Profit (loss)	9,676	4	27,020	11	2,435	1	36,696	7	39,206	8	179.25%	-6.40%
每股盈餘 (NT\$) Total basic earnings per share	0.15		0.42		0.04		0.57		0.61		7.17%	-0.30%

營業收入 of H1： 486百萬元；EPS of H1：0.57元
Operating revenue of H1：486million NT dollars；EPS of H1：0.57 NT dollars.



合併資產負債表及重要財務指標

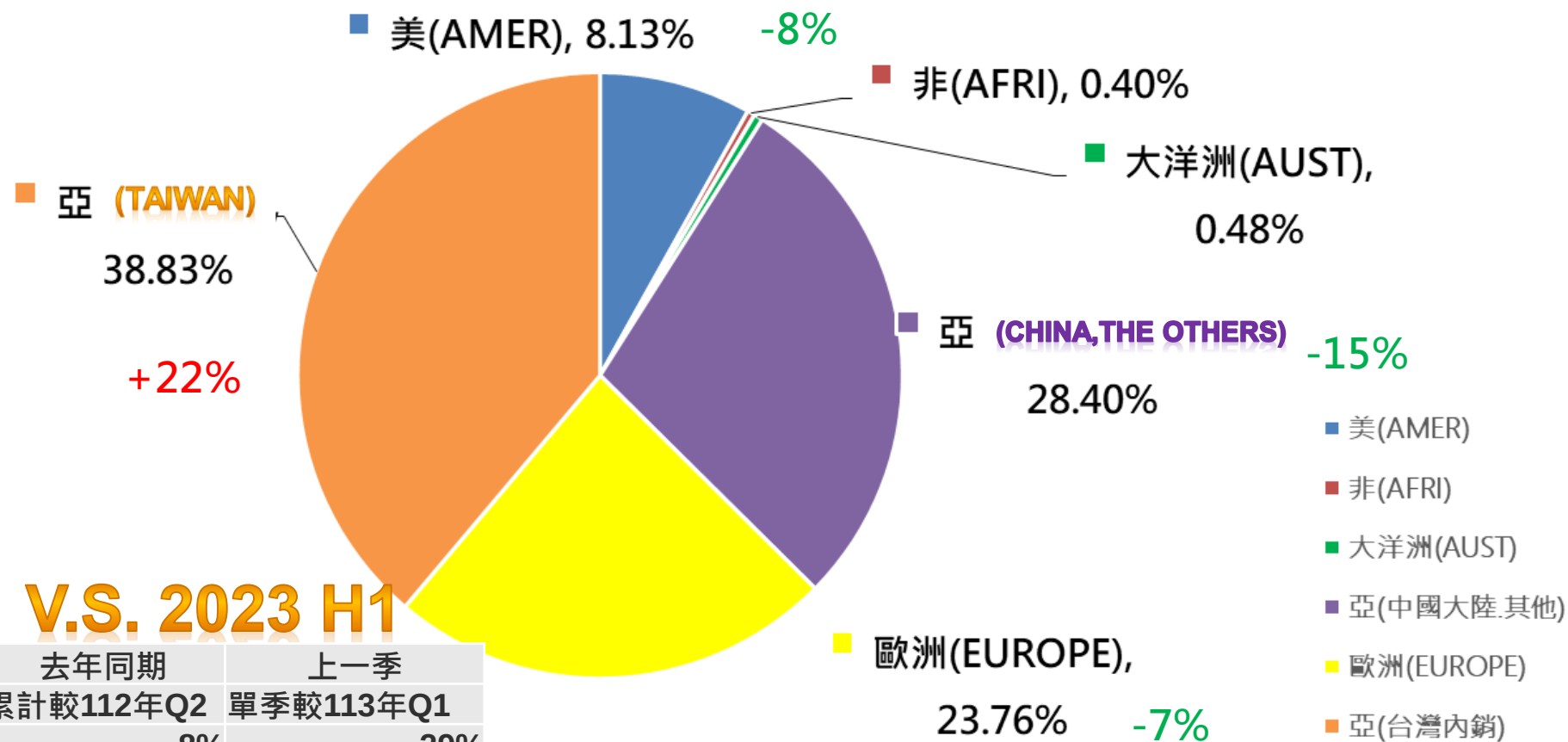
Balance Sheet and Key Indices

單位：新台幣仟元 Unit: NT\$ thousands

合併財務報表 Consolidated Financial Statements	2024年6月30日	%	2024年3月31日	%	2023年6月30日	%
現金與約當現金 Cash and cash equivalents	135,011	8	121,699	7	80,019	5
應收帳款 Accounts receivable, net	122,781	7	101,683	6	73,458	4
存貨 Current inventories	551,215	33	580,742	35	684,763	40
不動產、廠房及設備 Property, plant and equipment	714,741	43	723,962	43	736,597	43
資產總計 Total assets	1,663,930	100	1,666,428	100	1,712,008	100
流動負債 Total current liabilities	308,966	19	275,414	17	443,760	26
非流動負債 Total non-current liabilities	105,013	6	105,614	6	49,271	3
負債總計 Total liabilities	413,979	25	381,028	23	493,031	29
權益總計 Total equity	1,249,951	75	1,285,400	77	1,218,977	71
重要財務指標 Key Indices						
應收款項收現天數 AR turnover days	42		40		33	
平均銷貨天數 Inventory turnover days	595		576		629	
應付款項付現天數 AP turnover days	28		23		58	
權益報酬率(%) Return On Equity	5.82		3.02		6.30	

2024年上半年度區域別

2024 H1 Regional Segments

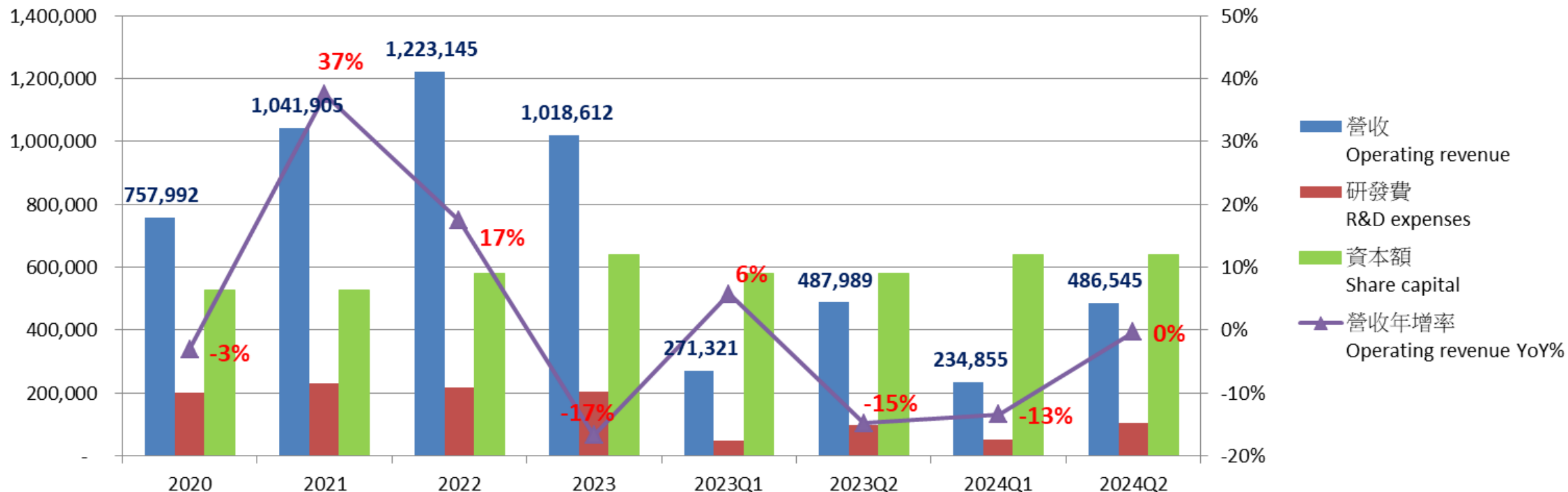


2024 H1 V.S. 2023 H1

	去年同期 累計較112年Q2	上一季 單季較113年Q1
美(AMER)	-8%	-29%
歐洲(EUROPE)	-7%	5%
亞(台灣內銷)	22%	33%
亞(中國大陸.其他)	-15%	-9%

合併營收/研發費

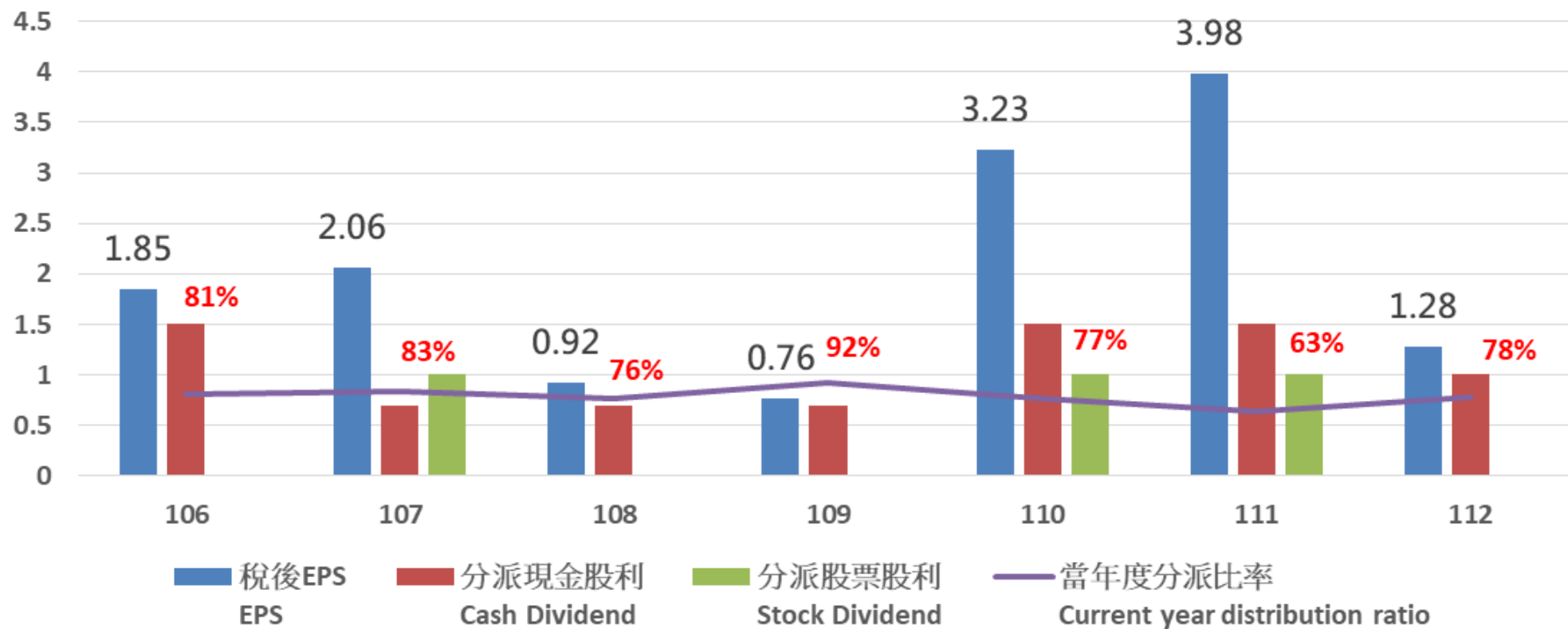
Consolidated Operating revenue /R&D expenses



年度	2022	2023	2023Q2	2024 Q2
營收 Operating revenue	1,223,145	1,018,612	487,989	486,545
研發費 R&D expenses	216,194	203,404	97,091	103,714
資本額 Share capital	581,506	639,657	581,506	639,657
研發比重 R&D %	18%	20%	20%	21%

歷年股利分派 Dividend

單位：元 Unit: NT\$



項目\年度	106(2017)	107(2018)	108(2019)	109(2020)	110(2021)	111(2022)	112(2023)
稅後每股盈餘 EPS	1.85	2.06	0.92	0.76	3.23	3.98	1.28
分派現金股利 Cash Dividend	1.5	0.7	0.7	0.7	1.5	1.5	1
分派股票股利 Stock Dividend	0	1	0	0	1	1	0

04

Q & A 時間

Q & A TIME



Industrial Automation Technology
Innovator and Enhancer.

Thank you for your listening.

If you have any questions, please feel free to contact us.

ICP DAS CO., LTD. 泓格科技股份有限公司



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