Industrial Automation Technology
Innovator and Enhancer.

ICP DAS CO.,LTD.

Investor Conference

Date：2025 / 5 / 27（Tue.）

Time：**2：30 P.M.**

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

Agenda

01 ICP DAS CO.,LTD. INTRODUCTION

02 Operating Performance

03 Q&A

ICP DAS

Industrial Automation Technology
Innovator and Enhancer.

President

-Good at Marketing & PM

鄭 樹 發 **Frank Cheng**

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

(Stock Symbol : 3577)

ICP DAS has been committed to developing automation products and offering holistic solutions, spanning aspects of industrial automation & control, IoT, industry 4.0, energy management, smart factory, smart manufacturing, smart building, smart city, and ESG.

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

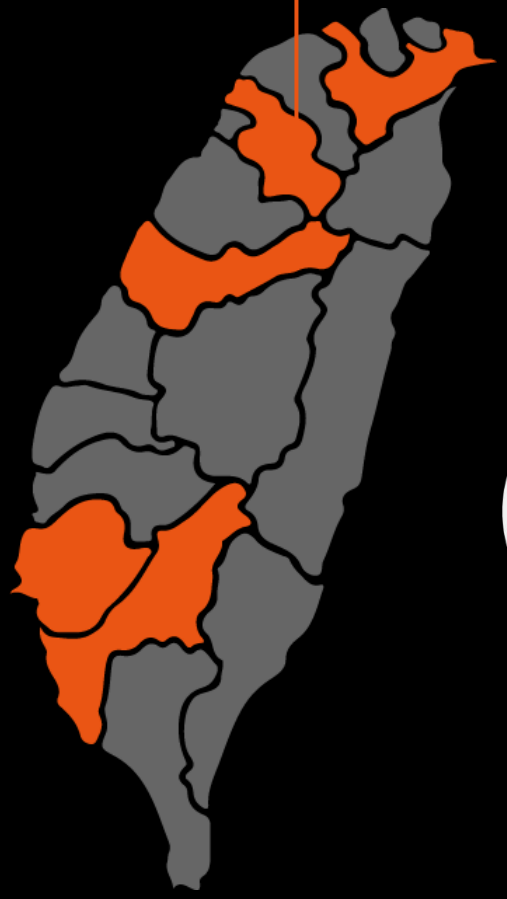
ISO 13485: 2016

TÜV Rheinland 0000056241

About ICP DAS

Headquarters & Factory

Hsinchu, Taiwan

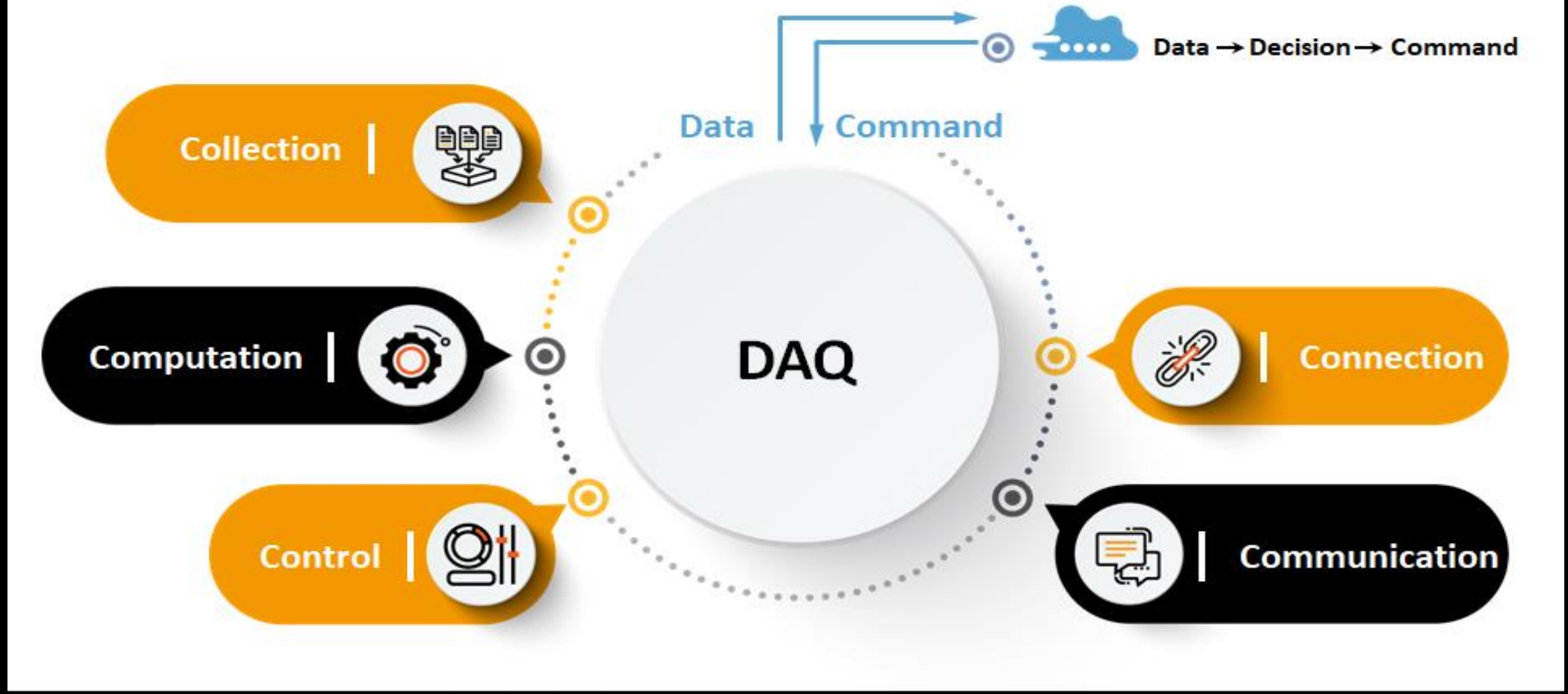


Taiwan Offices

Banqio
Xindian
Taichung
Tainan
Kaohsiung

Number of Employees : 385人

Core Technologies



One-stop Holistic Solution:
Flexibility for applications in various fields.

Improved Overall Equipment Effectiveness (OEE):
Real-time monitoring/control. Optimized availability, quality, and production processes.

History

【ICP DAS
was established.

1993

Shanghai Golden ICP DAS International Trade Co., Ltd. was established to provide marketing, selling, and customized services in China market.

2004

ICP DAS undertook the “Voyage Data Recorder” project for islandwide fishing vessels in Taiwan

2007

ICP DAS (Wuhan) Co., Ltd. was established.

2010

InduSoft

ICP DAS became an InduSoft general agent in Greater China.

2013

PMC-5141 won the “Innovation Award” at the “China Automation Annual Conference.”

2014

The 23rd Taiwan Excellence Award

- The DL-302 Industrial AirBox, detecting CO_2, temperature & humidity won the “Taiwan Excellence Award.”

- The WF-2000 Series Smart Wireless Data Acquisition Module received the “Taiwan Excellence Award.”

2015

The 24th Taiwan Excellence Award

The WISE-5200 IIoT Edge Controller was honored with the 24th “Taiwan Excellence Award.”

2016

泓格生醫
ICP DAS - BMP

The biomedical business unit was established to produce polymeric materials for medical applications.

2018

History

2020

泓格生醫 ICP DAS - BMP

【Product Launch】

- Medical Grade Aliphatic Polyether-based TPU (ALP)
- Medical Grade Aliphatic Polyether-based TPU loaded with 20% Barium Sulfate (ALP-B20)
- Medical Grade Aliphatic Polyether-based TPU loaded with 40% Barium Sulfate (ALP-B40)
- Medical Grade Aliphatic Polycarbonate-based TPU (ALC) Clear Grade.

2021

泓格生醫 ICP DAS - BMP

- Medical Grade Aromatic Polyether-based TPU loaded with 20% Barium Sulfate (ARP-B20)
- Medical Grade Aromatic Polyether-based TPU (ARP) Clear Grade.

2022

泓格生醫 ICP DAS - BMP

- Medical Grade Aliphatic Polycarbonate-based TPU with 20% Barium Sulfate (ALC-B20)
- Medical Grade Aromatic Polyether-based TPU loaded with 30% Tungsten (ARP-W30)
- Medical Grade Aromatic Polyether-based TPU loaded with 50% Tungsten (ARP-W50)

2022

DLW-1000 Series Mini Weather Station won the 31st "Taiwan Excellence Award." It measures environmental data and can be combined with WISE edge controllers to set alarm notifications, enabling facility personnel to monitor on-site information and manage air quality

2023

Tainan office was established.

泓格生醫 ICP DAS - BMP

【 Product Launch 】

- Medical Grade Aromatic Polyether-based TPU loaded with 40% Tungsten (ARP 85A W40)

2024

泓格生醫 ICP DAS - BMP

【 Product Launch 】

- Soft ARP Series Medical Grade Aromatic Polyether-based Soft TPU
- ARP-W-G Series Medical Grade Aromatic Polyether-based TPU loaded with 40-60% Tungsten
- EARP Series Medical Grade Aromatic Polyether-based Engineering Rigid TPU

Global Partners

ICP DAS products are available in over 150 countries, supported by a global network of distributors.

The company is trusted for its high-quality products, expert technical support, and fast delivery.

02

Operational overview :
Products & marketing strategy

PRODUCTS INTRODUCTION - Automation products + TPU

Advantages

Comprehensive Product Line

- Sensors
- I/O Modules
- Communication Devices
- Controllers
- Management Software

Various Communication Protocols & Interfaces

Meeting Diverse Application Needs

Complete Range of Product Specifications

Customizable Sizes and Channel Numbers

Enhanced Cybersecurity Measures

Supporting OPC UA & MQTT for Industry 4.0 and IIoT Applications

Motion Control Products

Comprehensive EtherCAT Product Line

- 64-axis Master Cards
- High-speed I/O Modules
- Encoders
- Junction Modules
- Gateways

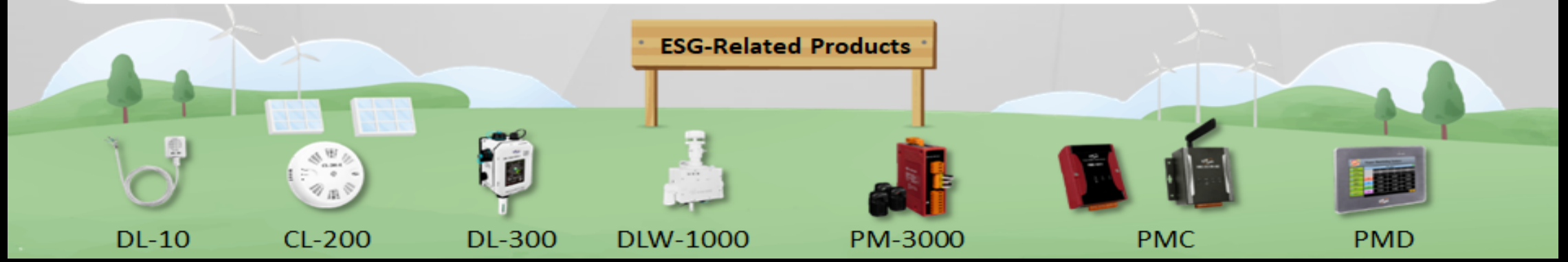
A Variety of ESG-related Products

✓ **Air Quality & Environmental Monitoring :**

DL-10 Series, DL-100 Series, CL-200 Series, DL-300 Series, DL-1000 Series, and DLW-1000 Series Sensor Modules and Air Boxes

✓ **Wired/Wireless Power Monitoring :**

PM-21xx, PM-3xxx, PM-4xxx, PM-5xxx Series Smart Power Meters and PMC/PMD Series IIoT Power Meter Concentrators



Net Zero Living

Food & Clothing

Environmental Monitoring - Livestock & Poultry Farms

Power Management - Cold Storage Warehousing

ICP DAS IoT technologies enable precise assessment and control of the costs and carbon emissions associated with food production.
The company provides monitoring & control solutions for farming, transportation, and cold chain logistics. These solutions increase the efficiency of livestock farming, reduce carbon emissions, maximize energy efficiency, and enable real-time equipment status monitoring to ensure food safety.

Production Monitoring & Product Traceability - Food Manufacturing

Energy Management & Automated Production - Textile Manufacturing

In food factories, ICP DAS equips older machines and equipment with sensors and communication devices for networking and manufacturing traceability. This optimizes production processes and product quality, reduces waste, and ensures food safety.
In textile factories, ICP DAS introduces the energy management system and automated production to monitor equipment availability and reduce energy waste.

Net Zero Living

Housing & Transportation

Smart Monitoring - Commercial Buildings

Data Transmission - Charging Piles

ICP DAS boosts the energy efficiency of buildings with IoT and energy management systems by integrating generators, lifts, ventilation, fire safety, lighting, and water systems. This achieves automation and control, saving energy and creating a conducive workplace.
The EV market booms with low-carbon transport. ICP DAS solution enables data transmission from the charging piles in the field to the control center via fiber optics, realizing remote monitoring, electromagnetic interference resistance, and extended communication distance.

Real-time Status Monitoring - Electric Vehicles

Traffic Flow Monitoring - Highways

ICP DAS installs remote controllers to transmit electric bus data on travel speed, rotational speed of motors, battery, daily mileage, and locations via 3G/4G in real time. The data are crucial references for fleet management.
The inductive loop detector monitoring solution enables data collection and analysis for identifying causes of traffic jams and real-time traffic control. The smart transportation system avoids traffic congestion, thus reducing vehicle idling time and carbon emissions.

Net Zero Living

Education & Entertainment

Power Management System - Campuses

Water Recycling System - Campuses

Through the ICP DAS power management solution, the personnel can keep abreast of the power usage of campus-wide buildings and classrooms. This solution achieves higher energy efficiency and lower costs. Due to global freshwater scarcity and worsened pollution, the importance of water reuse is more recognized. ICP DAS deploys a water recycling system on campus to collect and treat greywater or wastewater for various purposes such as toilet flushing, cleaning, and irrigation.

Environmental Monitoring - Resorts/ Recreation Areas

Environmental Monitoring - Music Centers

At crowded resorts, ICP DAS Mini Weather Station monitors meteorological and air quality data, including T&H, CO, CO_2, HCHO, negative air ions, PM1/2.5/10, etc. The information provides crucial references for adopting decarbonization measures. ICP DAS builds a holistic environmental monitoring and energy management system in the music center for building management and energy consumption controls.

Market Focus

ESG - Digital Transformation

Energy Management - Palm Oil Mill Plants

Stack Light Monitoring - CNC Machining Production Lines

ICP DAS assists conventional factories in realizing digital transformation and overcoming challenges arising from harsh environments. The solution reduces human errors caused by manual work, facilitating remote and real-time data acquisition to calculate availability, enable predictive maintenance, and optimize production and processes.

Wireless Overhead Crane Monitoring - Bicycle Painting Production Lines

Digitalization in Production Processes - Manufacturers of Electric Wires & Cables

Bicycle painting production lines are equipped with ICP DAS wireless modules for remotely controlling overhead cranes via radio-frequency communication. This solution protects on-site personnel from heavy metal exposures and addresses the problem of cross-interference.

In electric wire and cable manufacturing factories, ICP DAS deploys remote monitoring systems to keep management personnel posted on machine temperature, vibration data, and plant-wide power consumption.

Market Focus

ESG - Natural Resources & Air Qualities

Air Quality Monitoring - Underground Mines

Water Resource Monitoring - Water Purification Plants

In dark and dank mines, ICP DAS Mini Weather Station monitors meteorological and air quality data: T&H, CO, CO_2, HCHO, negative air ions, PM1/2.5/10, etc. Data and alarm messages are shown for workplace safety using the ICP DAS edge controller and industrial LED display.

ICP DAS installs a water quality & quantity monitoring system in a purification plant. Real-time field data are sent back via I/O modules and analyzed using PAC and SCADA. In case of data anomalies, personnel receive alarm notifications for timely intervention.

Remote Equipment Monitoring - Pumping Stations

Remote Equipment Monitoring - Wind Turbines

ICP DAS utilizes WISE Edge Controllers to transmit the status of water supply equipment and wind turbine foundations. Integrated with the IoTstar IIoT Cloud Management Software in the control center, the system achieves data visualization, allowing management personnel to remotely monitor equipment in real time. The data collected also serves as a reference for predictive maintenance.

Market Focus Energy Management

Battery Cabinet Monitoring - Wind & Solar Energy Storage

Equipment Status Management - Solar Power Plants

ICP DAS energy management solutions, with excellent integration capabilities, facilitate data collection and seamless integrations with back-end management platforms. The client uses PAC and I/O modules for the customized battery cabinet monitoring and management.
For solar power plant management, the use of ICP DAS WISE Edge Controller and IoTstar IIoT Cloud Management Software allows personnel to view real-time energy consumption and historical data without the need for programming, enhancing energy efficiency.

Power Consumption Management - Data Centers

Power Consumption Management - Data Centers

ICP DAS provides tailored solutions for data center monitoring. Temperature, humidity, and power data of server cabinets are displayed in the control center. Simultaneously, the door position of server cabinets is also monitored to prevent unauthorized access and protect crucial files. The solutions help clients achieve energy savings, preventive maintenance, security, and safety of server rooms.

Market Focus Smart Manufacturing

Vibration Monitoring - Iron & Steel Plants

Precision Material Feeding & Power Monitoring - Metal Casting Factories

In iron and steel plants, ICP DAS's predictive maintenance solutions monitor motor bearing vibrations and calculate machine availability. This enables advanced diagnostics, effectively reducing production losses and ensuring production line safety.
ICP DAS implemented a raw material management system in metal casting factories, achieving precise material feeding that reduces casting losses and excess material rates by 28%. Additionally, through data integration and optimized power control, energy consumption was significantly lowered, saving 22% in electricity costs.

Temperature Monitoring - Electronic Component Plants

Environmental & Energy Monitoring - Contact Lens Manufacturing

The automated monitoring system in the electronic component plant collects data on machine temperature, energy, material filling, door openings, operating states, standby, and anomalies. Besides, the data obtained is displayed, stored, analyzed, and managed in real time for process optimization.
In contact lens manufacturing plants with stringent environmental standards, ICP DAS installs environmental monitoring modules to measure on-site T&H and PM1/2.5/10. This ensures consistent product qualities. In addition, ICP DAS utilizes IoT technologies to remotely monitor the power consumption of the factories and machines, helping manufacturers achieve energy efficiency and energy savings.

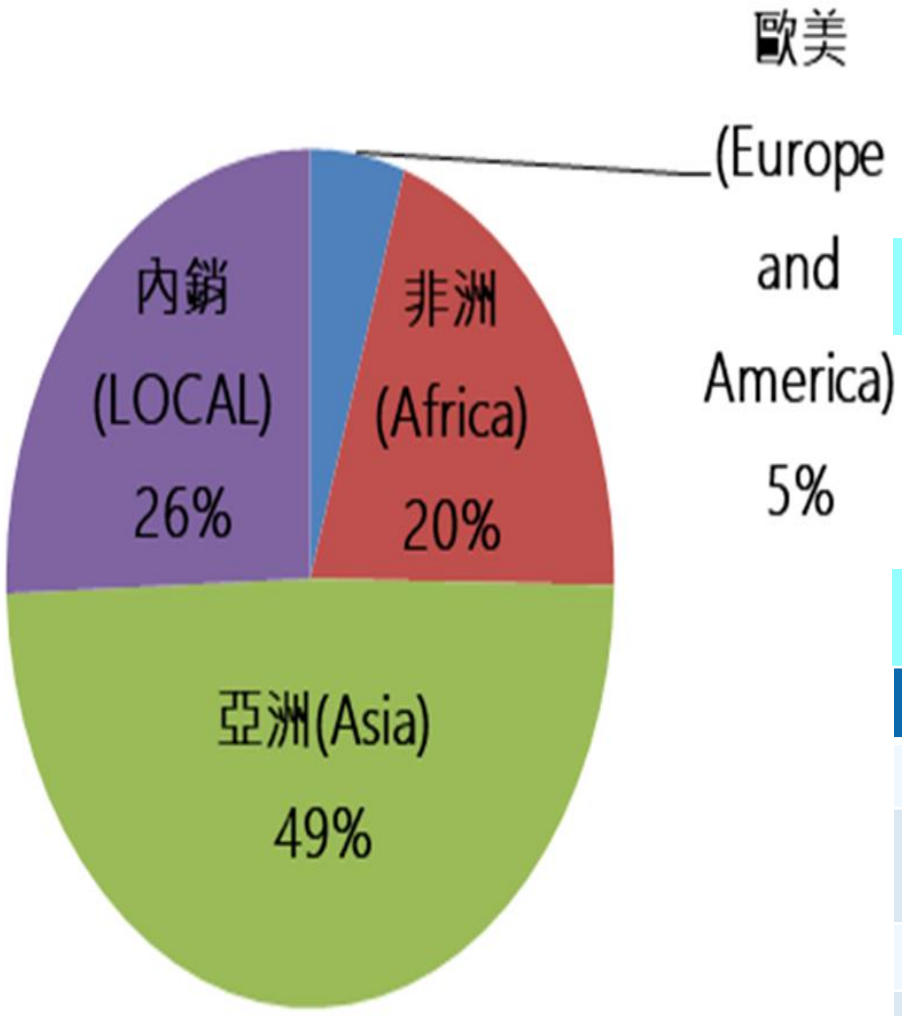
ICP DAS BMP - Medical grade TPU Product Series
- Complete specifications

	Specification		BMP Series
01	聚醚芳香族聚氨酯 (Aromatic Polyether-based) 75A-70D	• Transparent • Developable - Ba_2SO_4 (20%, 30%, 40%) - Tungsten powder (30%, 40%, 50%, 60%, 70%, 80%) • Available for color matching*	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.

TPU Sales

2024年區域銷售占比



Sales growth in 2024: 6.73%

It takes a long time for medical materials to go from sample testing and certification to market availability. Actively participate in exhibition layout, and have more than 140 customers for sample testing. Customers are gradually entering the stage for batch testing and applying for medical device certification.

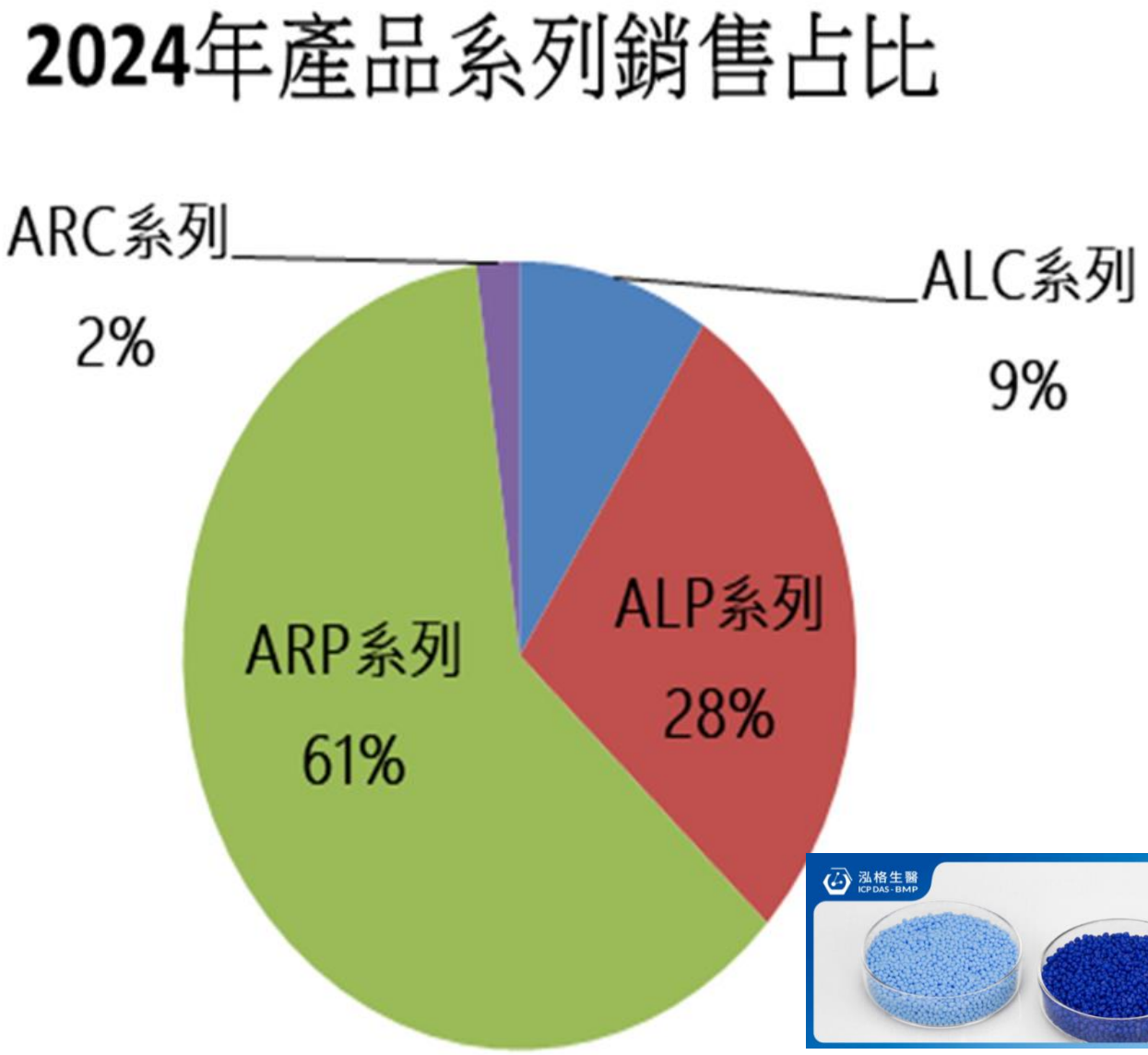
Sales in the first quarter of 2025

This represents a year-on-year growth of 56.80% and a quarter-on-quarter decrease of 14.43%.Currently in markets such as Taiwan, China, Egypt, etc. They have all received periodic orders and are growing steadily.

2025 Exhibitions

Date	Area	展覽
2025/04/08-11	China	CMEF 2025
2025/07/09-11	Japan	Manufacturing World Japan – Tokyo (Kanto Region)
2025/09/24-26	China	Medtec China 2025
2025/11/17-20	Germany	Compamed

TPU Sales



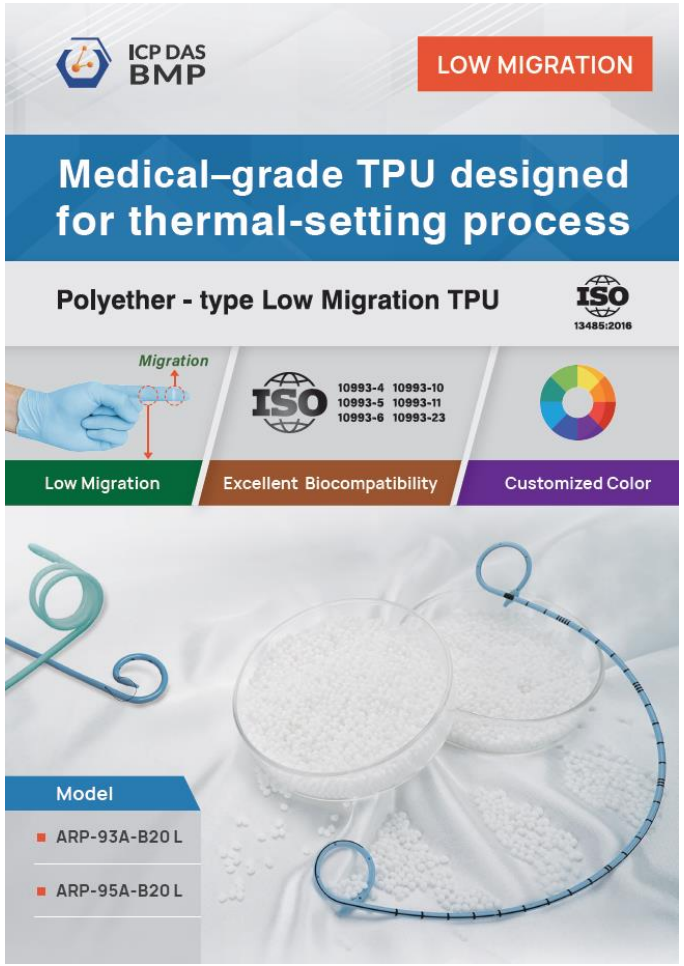
Product Advantages

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

Differentiation from competitors

- Low floating powder
- Lubrication properties
- High pressure resistance

Key Differentiator from Competitors



Low Migration

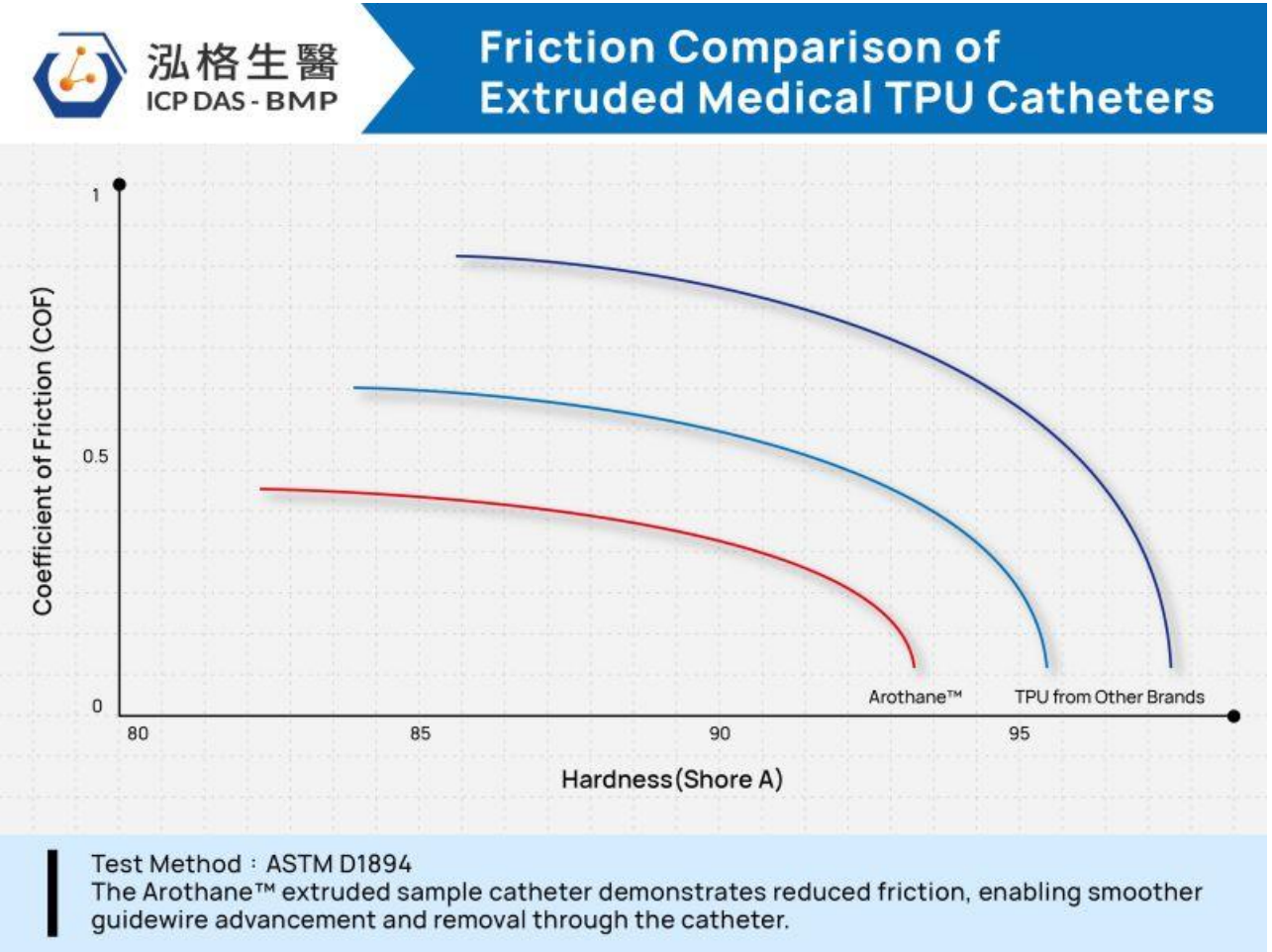
Superior Performance Tailored for Ureteral Stent Applications

ARP-93A-B20 L & ARP-95A-B20 L

- **Suitable for Thermal Setting Processes: Such as ureteral stents and drainage tubes.**
  High processing stability with no migration issues, ensuring product quality and reliability.
- **Biocompatibility: Complies with ISO 10993-4/5/10/11/23. and ISO 10993-6** (implantation for 90 days)**.**
- **Color Options: Offers 15 commonly used color** choices for medical devices**.**

Key Differentiator from Competitors

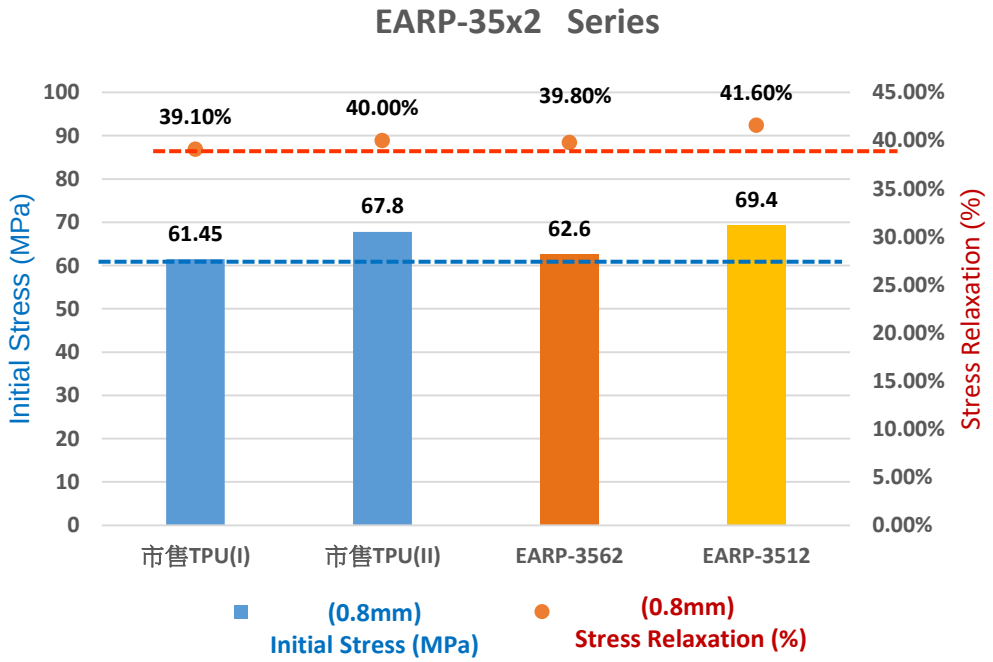
Lubrication Characteristics



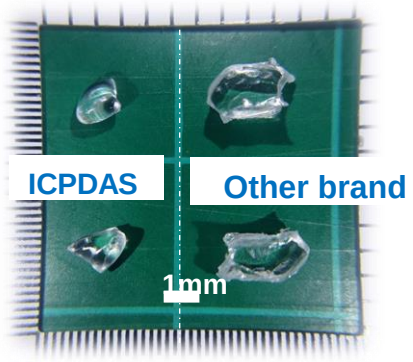
ARP Series Medical TPU

- **Built-in lubricity**; superior guidewire pushability compared to other brands at the same hardness level.
- **Made of 100% TPU**, eliminating the need for additional surface treatment.
- **Ideal for lubrication-demanding applications**, such as nasogastric tubes with guidewires.
- **Stable for long-term storage** with no migration issues.

EARP-35x2 Series



- **Note:** Test conducted using a **three-point bending method**
- **Specimen thickness:** 0.8 mm
- **Test conditions:** 30 ˚C / Span: 20 mm / Dry state
- **Strain:** 3% / **Duration:** 60 minutes



- **Elliptical-shaped pellets, smooth feeding process**
- **Short drying time, energy-saving and carbon-reducing**

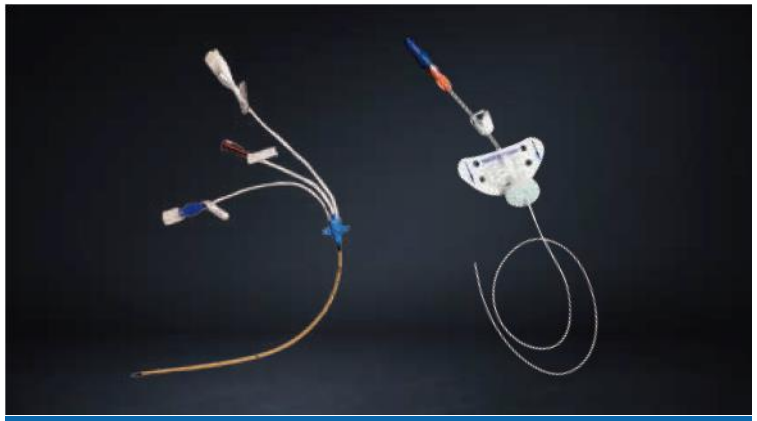
		Commercial TPU	EARP-3562	EARP-3512
Pellet Appearance		Irregularly shaped pellets	Elliptical	Elliptical
Pellet Size		Larger size with cut edges prone to powder generation	Small pellets diameter 1.0–1.5 mm	Small pellets diameter 1.0–1.5 mm
Glass Transition Temperature (Tg)		94˚C	96˚C	94˚C
Stress Relaxation		39.1%	40%	41%
Processing Characteristics	– Drying Temperature	90°C	110–120°C	80–90°C
	– Drying Time	8-12 hours	6-8 hours	6-8 hours
	– Processing Temperature	230-240°C	230-235°C	210-215°C
Characteristics		Industry Standard Product	Most similar in properties to the industry standard product	Lower processing temperature higher initial stress offer potential for developing thinner aligners.

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.

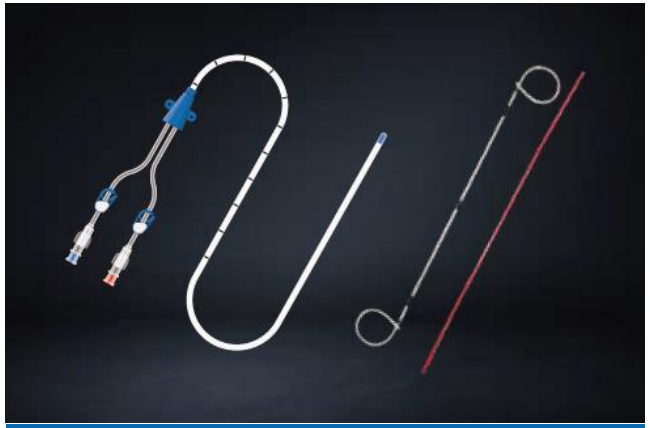
TUP Application

Cancer treatment devices



Central venous catheter

Gastrointestinal devices



Urology catheters

Dental orthodontics

Loach guidewire

Commitments

Innovative Design | 100% QC | High-quality Products | Professional Services | OEM/ODM | Made in Taiwan | Short Lead Time

Hsinchu Headquarters	No. 111, Guangfu N. Rd., Hukou Township, **Hsinchu County, Taiwan, R.O.C.**	+886-3-597-3366	+886-3-597-3733
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Industrial Automation Technology
Innovator and Enhancer.

CFO

Spokesman

鄭碧玉 Serena Cheng

03

Operating Performance

合併損益表
Statement of Comprehensive Income

單位：新台幣仟元；元 Unit: NT$ thousands；NT$	2024		2023		年比 YoY	2025Q1		2024Q1		年比 YoY
合併財務報表 Consolidated Financial Statements	金額	%	金額	%	%	金額	%	金額	%	%
營業收入 Operating revenue	1,070,791	100	1,018,612	100	5.12%	315,715	100	234,855	100	34.43%
銷貨成本 Operating costs	505,931	47	485,723	47	4.16%	147,847	47	121,534	52	21.65%
銷貨毛利 Gross profit (loss) from operations	564,860	53	532,889	53	6.00%	167,868	53	113,321	48	48.13%
營業費用 Operating expenses	448,559	42	435,809	43	2.93%	110,510	35	106,270	45	3.99%
營業淨利 Net operating income (loss)	118,286	11	99,428	10	18.97%	57,921	19	7,487	3	673.62%
營業外收入及支出 Non-operating income and expenses	13,874	1	3,657	0	279.38%	3,998	1	4,608	2	-13.24%
稅前淨利 Profit (loss) from continuing operations before tax	132,160	12	103,085	10	28.20%	61,919	20	12,095	5	411.94%
本期淨利 Profit (loss)	103,780	10	82,052	8	26.48%	49,567	16	9,676	4	412.27%
每股盈餘（NT$) Total basic earnings per share	1.62		1.28		26.56%	0.77		0.15		413.33%

營業收入of Q1 ： 315百萬元 ；EPS of Q1：0.77元

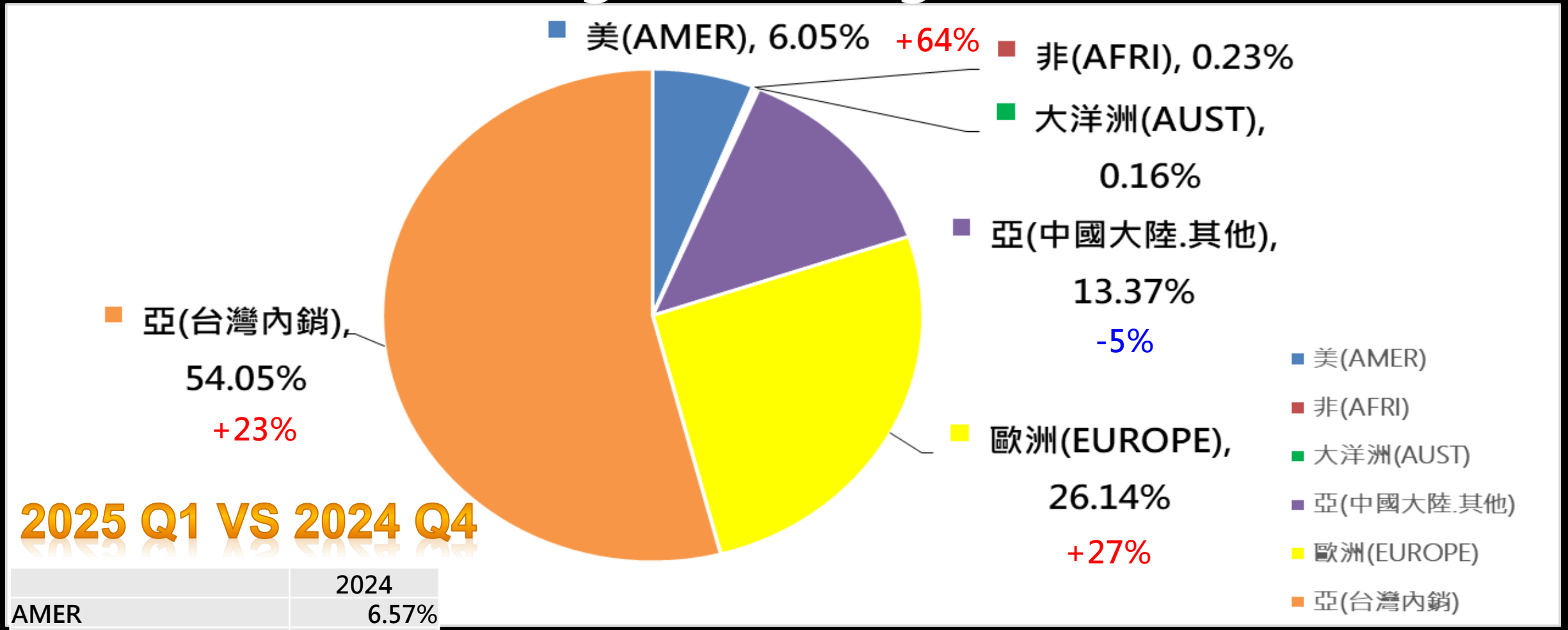
Operating revenue of Q1 ：315 million NT dollars； EPS of Q1：0.77 NT dollars.

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	2025年3月31日	%	2024年12月31日	%	2024年3月31日	%
現金與約當現金 Cash and cash equivalents	202,512	12	153,434	9	121,699	7
應收帳款 Accounts receivable, net	124,929	7	130,904	8	101,683	6
存貨 Current inventories	501,159	30	505,122	31	580,742	35
不動產、廠房及設備 Property, plant and equipment	706,012	42	713,419	44	723,962	43
資產總計 Total assets	1,680,417	100	1,637,635	100	1,666,428	100
流動負債 Total current liabilities	275,027	16	266,608	16	275,414	17
非流動負債 Total non-current liabilities	25,425	2	42,299	3	105,614	6
負債總計 Total liabilities	300,425	18	308,907	19	381,028	23
權益總計 Total equity	1,379,965	82	1,328,728	81	1,285,400	77
重要財務指標 Key Indices						
應收款項收現天數 AR turnover days	39		40		40	
平均銷貨天數 Inventory turnover days	439		538		576	
應付款項付現天數 AP turnover days	49		43		23	
權益報酬率(%) Return On Equity	14.64		7.98		3.02	

2025年第一季區域別
2025 Q1 Regional Segments



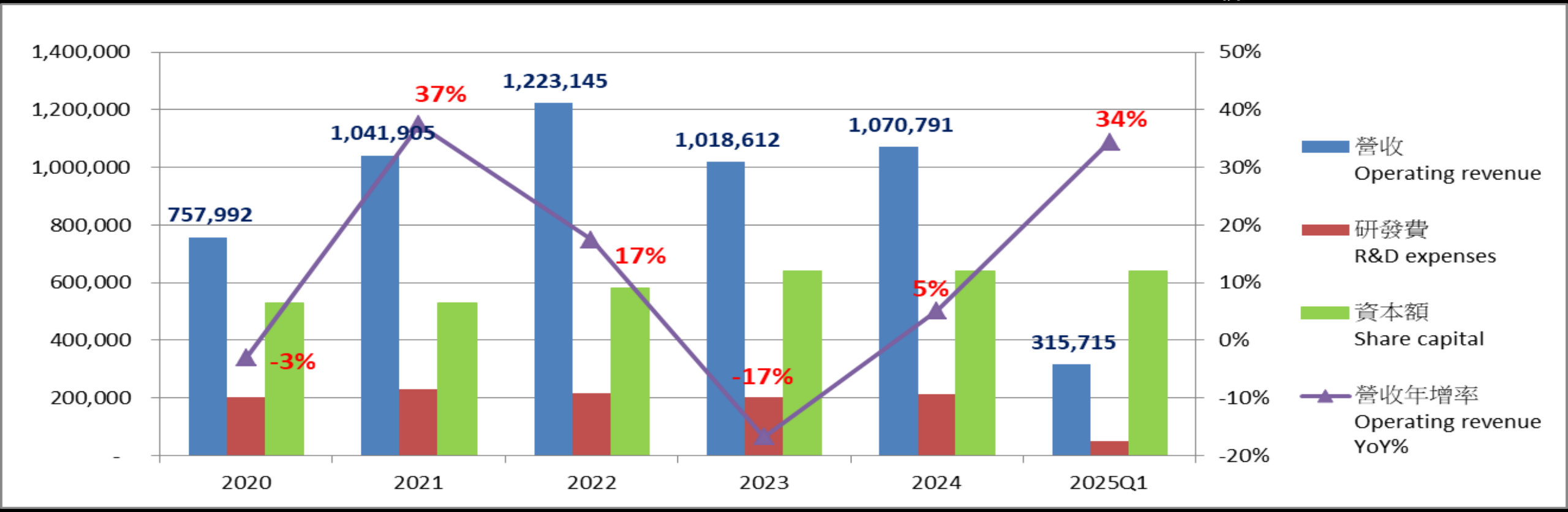
2025 Q1 VS 2024 Q4

	2024
AMER	6.57%
EUROPE	22.49%
Taiwan domestic sales	46.77%
Asia(China and other)	23.47%
Other(AFRI/AUST)	0.7%

合併營收/研發費
Consolidated Operating revenue /R&D expenses

單位：新台幣仟元 Unit: NT$ thousands

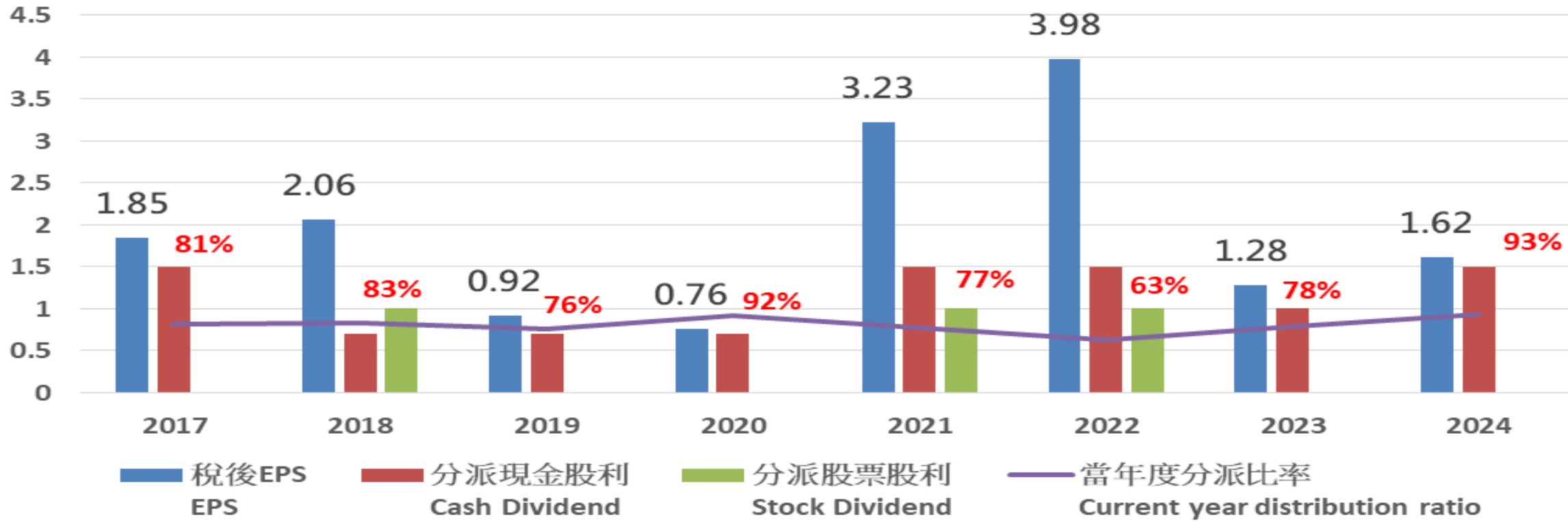
合併 Consolidated



年度	2022	2023	2024	2025 Q1
營收 Operating revenue	1,223,145	1,018,612	1,070,791	315,715
研發費 R&D expenses	216,194	203,404	213,954	51,841
資本額 Share capital	581,506	639,657	639,657	639,657
研發比重 R&D %	18%	20%	20%	16%

歷年股利分派
Dividend

單位：元 Unit: NT$



Project \ Year	2017	2018	2019	2020	2021	2022	2023	2024
稅後每股盈餘 EPS	1.85	2.06	0.92	0.76	3.23	3.98	1.28	1.62
分派現金股利 Cash Dividend	1.5	0.7	0.7	0.7	1.5	1.5	1	1.5
分派股票股利 Stock Dividend	0	1	0	0	1	1	0	0

04

Q & A 時間

Q & A TIME

ICP DAS

Industrial Automation Technology
Innovator and Enhancer.

Thank you for your listening.

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

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