



**Industrial Automation Technology  
Innovator and Enhancer.**

# ICP DAS Investor Conference

Date : 2022 / 9 / 1 ( Thu. )

Time : 3 P.M.

Location : The first floor meeting room at ICP DAS





**Industrial Automation Technology  
Innovator and Enhancer.**

行銷業務處  
Sales & Marketing & PM  
Vice President  
鄭樹發 Frank Cheng



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# ICP DAS INTRODUCTION





# ICP DAS



## ● 泓格科技 (ICP DAS CO., LTD.)

Established in 1993, ICP DAS, focusing on research and innovation, is committed to developing remote I/O, programmable automation controllers (PAC), distributed I/O modules, and data acquisition cards. ICP DAS has completed industrial automation solutions and after-sales services.

ICP DAS's products are widely applied in the field of industrial control and automation worldwide. Our leading cutting-edge techniques are provided by our research and development team, which invests a lot in research. ICP DAS provides the best solutions and innovative products and wins global customers' supports with our high-quality and stable products.

In addition, ICP DAS- BMP was established in 2018. It produces medical polymers and provides medical TPU, featuring excellent biocompatibility, hydrolytic resistance, and mechanical properties.





# 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 530 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.



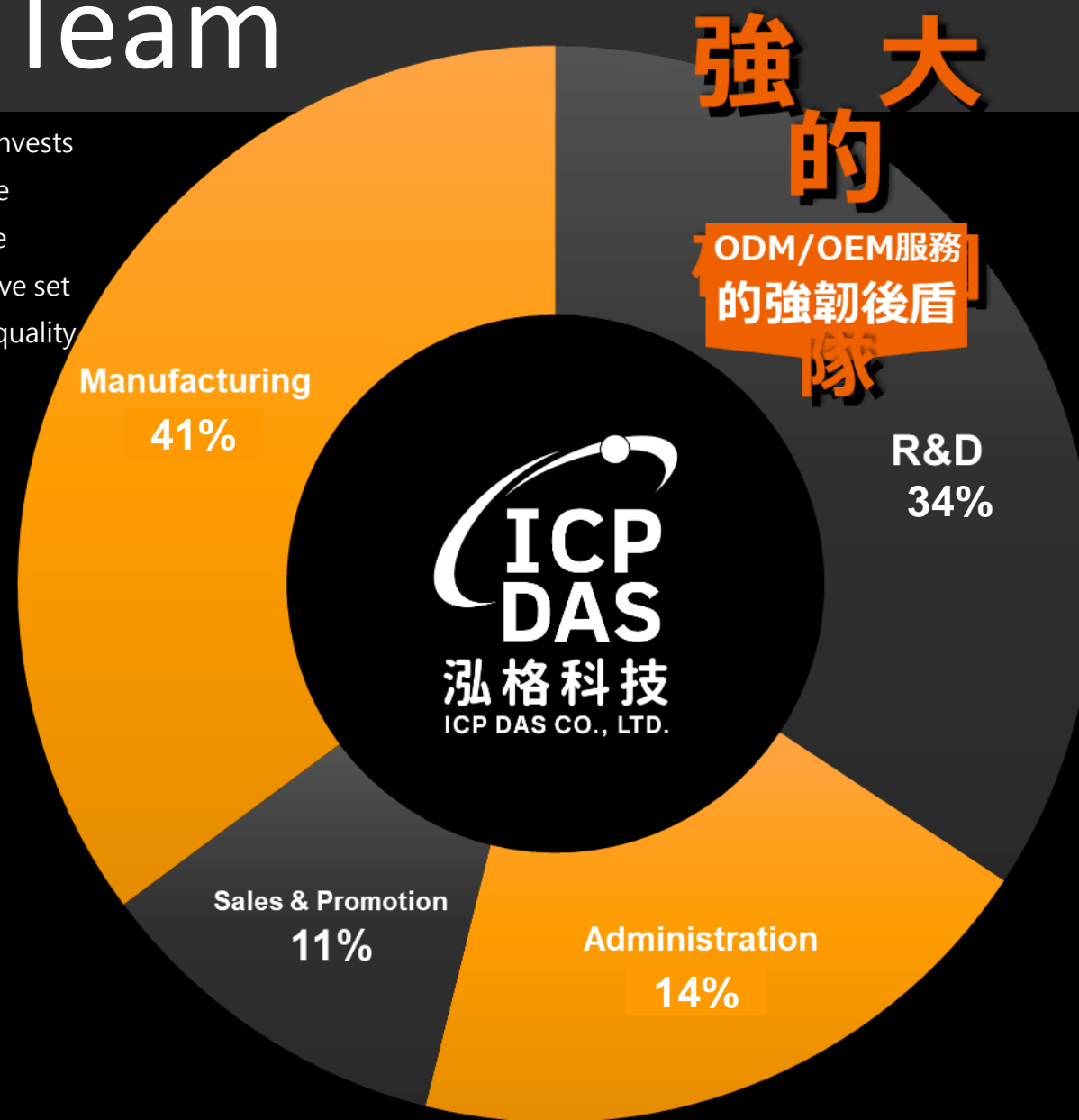
# Management Team

To maintain the position of technology-leading platform provider, ICP DAS invests heavily in R&D and has excellent R&D team. Over 110 software and hardware engineers provide the best solutions and innovative products to upgrade the development of the automation industry. Moreover, 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.

## Employees

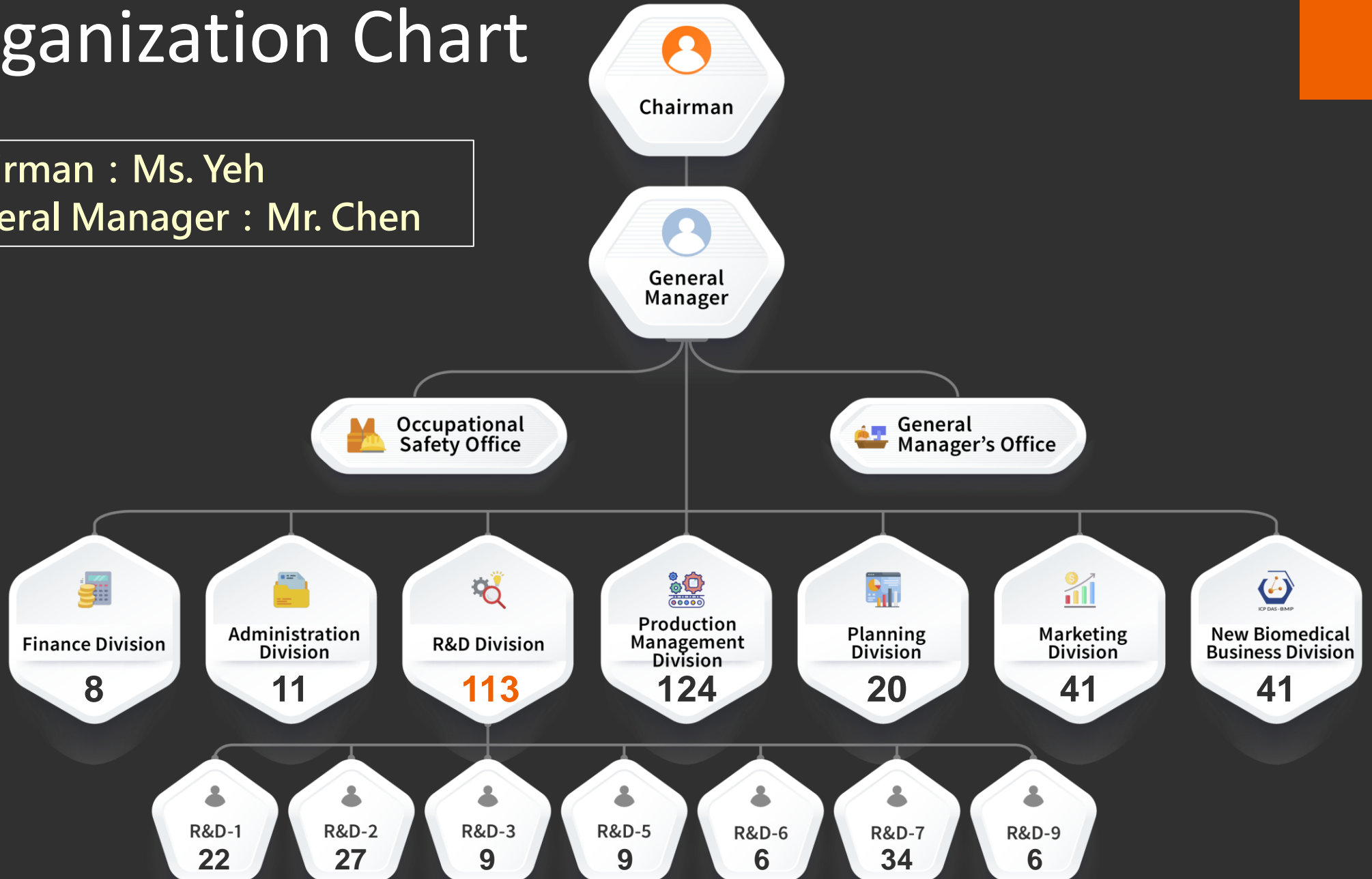
Date: 2022.06.30

R&D	123	34%
Administration	51	14%
Sales & Promotion	41	11%
Manufacturing	151	41%
<b>Total</b>	<b>366</b>	<b>100%</b>



# Organization Chart

Chairman : Ms. Yeh  
 General Manager : Mr. Chen







# Taiwan Branch Offices



## Banqiao Office

16F-1, No. 33, Section 1, Minsheng Road, Banqiao District, New Taipei City 22069  
Tel : +886-2-2950-0655 Fax : +886-2-2950-0807



## Xindian Office

7F-2, No. 137, Lane 235, Baoqiao Road, Xindian District, New Taipei City 23145  
Tel : +886-2-8919-2220 Fax : +886-2-8919-2221



## Hsinchu Headquarter

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



## Taichung Office

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



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# PRODUCTS INTRODUCTION





# ICP DAS Products and Services

**1993**

**HARDWARE PROVIDER**

Fieldbus I/O

Microcontrollers

DAQ Card

OEM/ODM

**2014**

**SERVICE PROVIDER**

Smart Industry Service Solutions

**2009**

**2004**

**SOLUTION PROVIDER**

PAC

SCADA

Communication  
& Gateway

Motion control

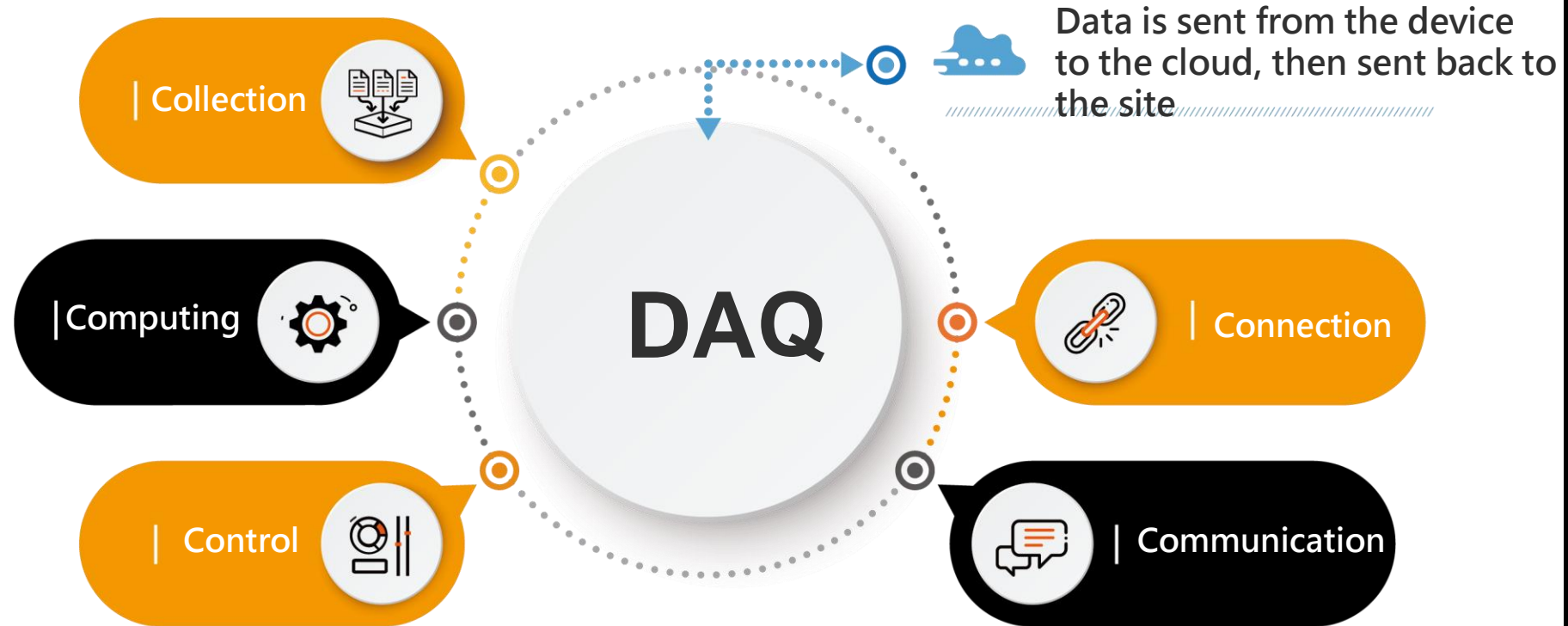
Smart I/O  
Products

Power Meter  
Concentrator

M2M

TouchPAD

DCS



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.



# ICP DAS Products and Services

- **Fieldbus**  
Converter/Gateway/  
Repeater/Hub
- **IoT/M2M**

Industrial  
Communication  
Products



- **Embedded Controller**
- **XPAC, WinPAC,  
LinPAC, ViewPAC, IWS  
PAC**

Programmable  
Automation Controller  
(uPAC/ PAC)



- **RS-485, Ethernet,  
CAN Bus, PROFIBUS,  
Machine Automation**
- **ZigBee, WiFi, USB,  
MQTT**

Remote I/O &  
Expansion Unit



- **PC-based I/O Card**
- **DAQ Card**

PC I/O Card



- **OEM/ODM**

Customized  
service





## Comprehensive IIoT & Automation Portfolio

<b>Management Layer</b> 	<b>Software</b> 										
<b>Control Layer</b> 	<b>Edge Controller</b> <p>WISE / PAC / UA Controller</p>	<b>PAC (Programmable Automation Controller)</b> <p>IPPC series MS series YViewPAC Touch PAD AEBC WinPAC AEBC UniPAC</p>				<b>PC Card</b> <p>DAQ Card Motion Control Boards Industrial Communication Boards</p>					
<b>Communication Layer</b> 	<b>PPDS / PDS / DS / IDS</b> 	<b>Ethernet Switch</b> 	<b>OPC UA</b> 	<b>Data Concentrator</b> <p>Modbus / Zigbee / Wi-Fi</p>	<b>Fieldbus</b> <b>Gateway</b> <p>CRNopen J2039 CRN DeviceNet BACnet MART</p> <b>Converter</b> <p>BACnet MART</p> <b>Repeater &amp; Hub</b> 			<b>Wireless</b> <p>DSSS 3G/4G Dybor GPS LoRa WLAN WLS NB-IoT</p>			
<b>Actuator and Sensor Layer</b> 	<b>I/O</b> <p>RS-485 Modbus MQTT FRnet Ethernet EtherCAT CAN DeviceNet BACnet MART OPC UA Accelerometer Data Logger Stack Light Monitor Lighting Control Series Network Camera</p> <hr/> <b>Expansion</b> <p>Industrial Modbus LED Display</p> <b>Power Meter</b> <b>Signal Conditioning Modules</b> <b>Sensor</b> 										



# Fieldbus & Communication

- **Fieldbus Converter/Gateway/ Repeater/Hub**
- **IoT/M2M**

Industrial Communication Product



Gateway



Device Server



Converter



Hub (USB/Serial/CAN)



Switch



IR



RF



ZigBee



GSM/GPRS



WiFi



LoRa



NB-IoT





# Embedded PAC

- Embedded Controller
- XPAC, WinPAC, LinPAC, ViewPAC, IWS PAC

Programmable  
Automation  
Controller  
(uPAC/ PAC)







# Wireless & 3G/4G/5G

## EXPANSION

- RS-485, Ethernet, CAN Bus, PROFIBUS, Machine Automation
- ZigBee, WiFi, USB, MQTT

Remote I/O & Expansion Unit



## WIRELESS



ZigBee



GPRS/GSM



WiFi



IR

## WIRED



RS-485/RS-422/  
RS-232



Ethernet



CAN



USB



FRnet



PROFIBUS  
PROFINET



BACnet



EtherNet/IP  
EtherCAT



HART



WISE



RU-87Pn



ET-87Pn



PROFIBUS



CAN/CANopen/  
DeviceNet



F-8000



iDCS-8830



I-8K/I-87K



X-board



XW-board  
VW-board



# PC-based I/O Card

- PC-based I/O Card
- DAQ Card

PC I/O Card



## Motion Card

PISO-PS410/600/810



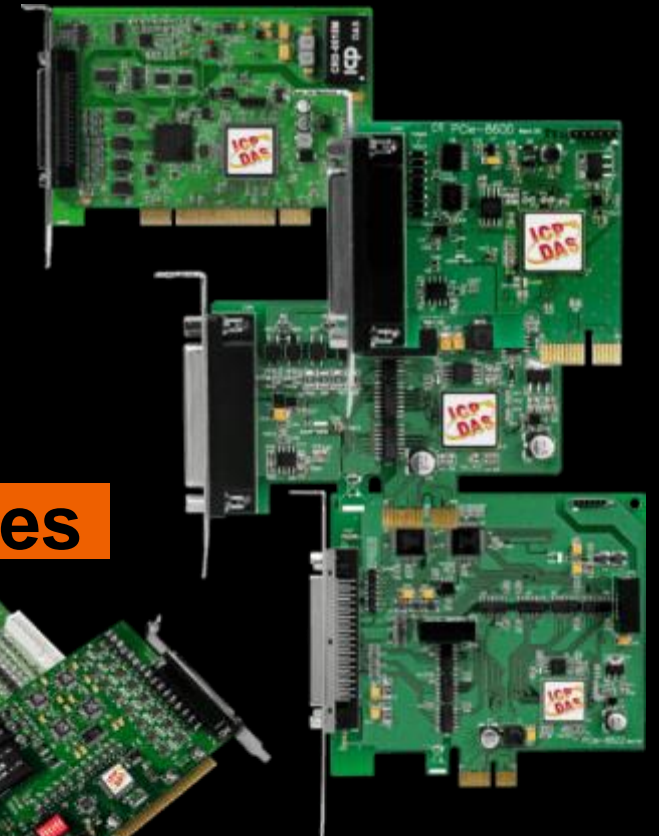
## Communication Card

Multi-Port Serial Card /  
CANBUS / FRnet / GPIB



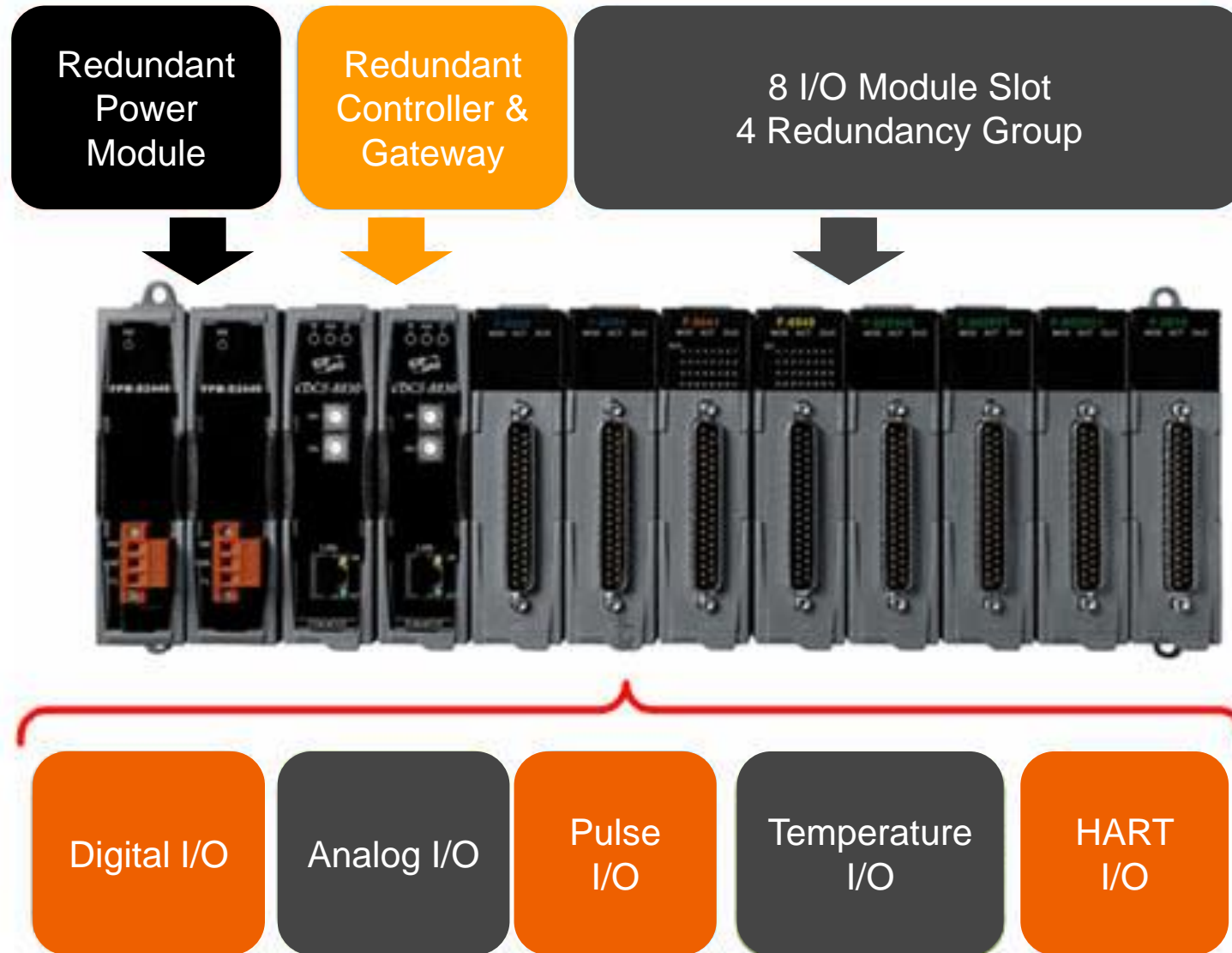
## High Speed DAQ Card

PCI-2602U  
PCIe-8600/8620/8622



I/O series







## Software



MiniOS7



Microsoft Windows XP Embedded  
Microsoft Windows CE



Linux



IoTstar



WISE



AVEVA Edge



UniDAQ



VxComm



NAPOPC



RTU Center



SMS\_DB



InduSoft



Win-GRAF



HMIWorks



MiniOS7  
Studio



Visual  
Studio.NET



VCEP



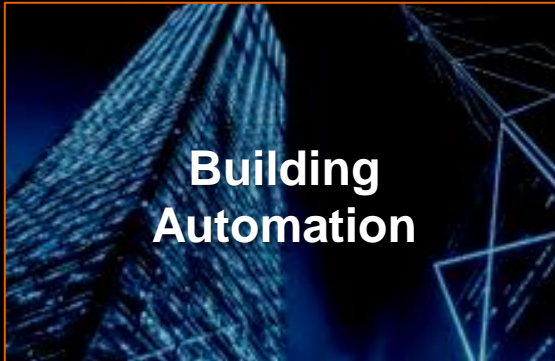
eLogger



EzDataLogger



# Application Fields' Solutions





# Building Automation

Smart Access Control System

Visitor Card Issuing System

Security Intercom Systems

Air quality, Temperature and Humidity

Public Area Lighting Control

Energy Management System

Lighting Toning & Dimming Systems

Smart IP-CAM System

Display Panel Solutions

Leakage monitoring

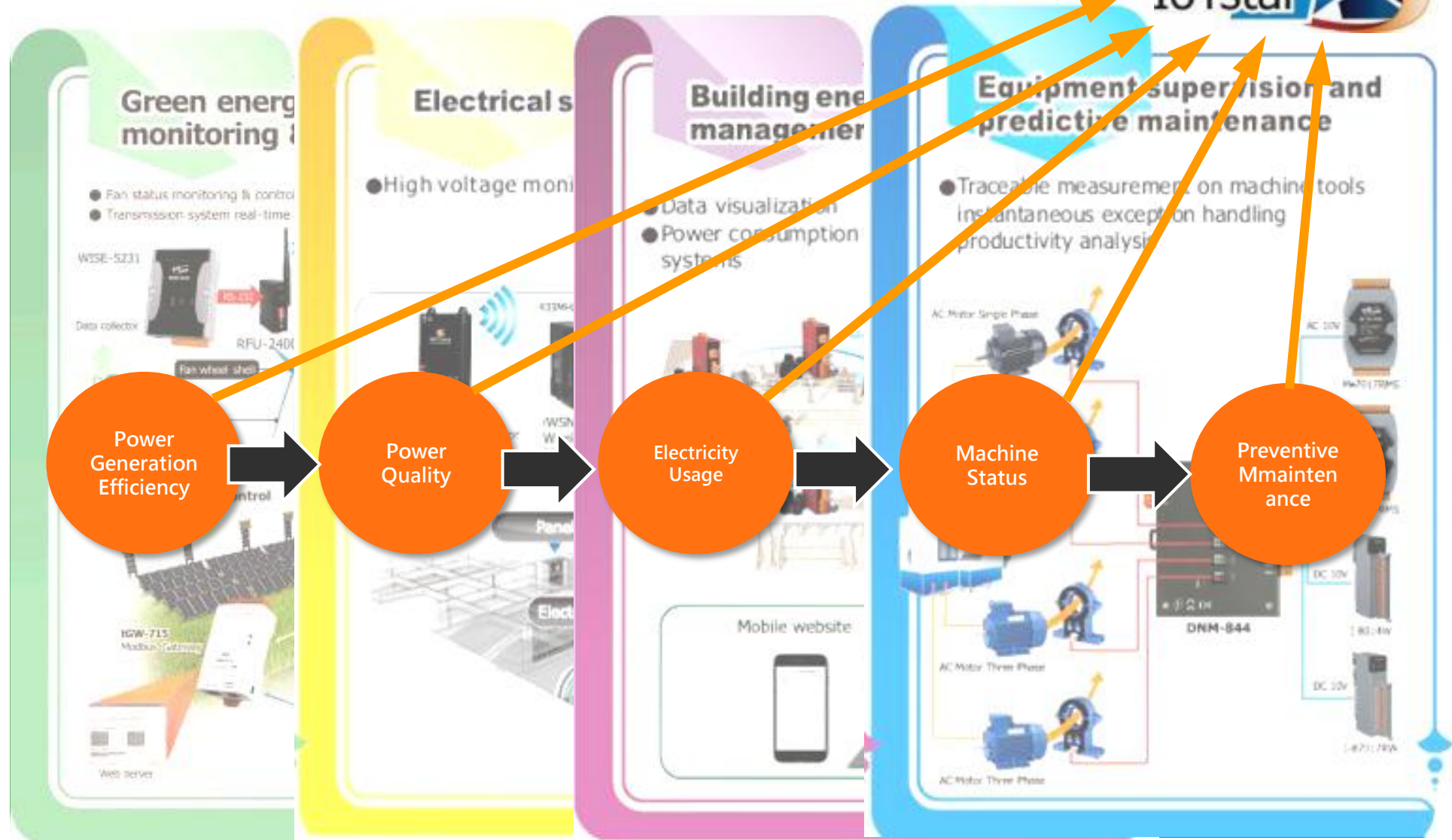




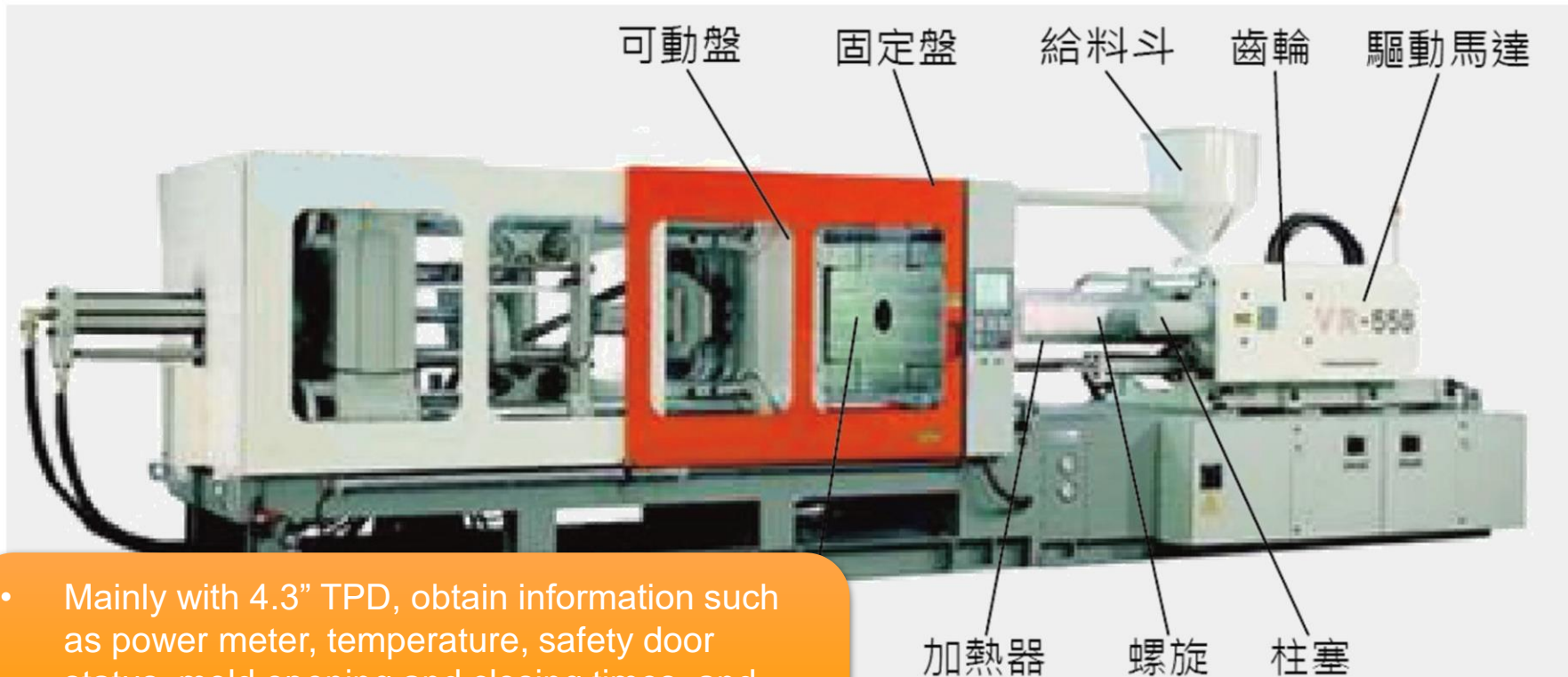


# Energy management solutions

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



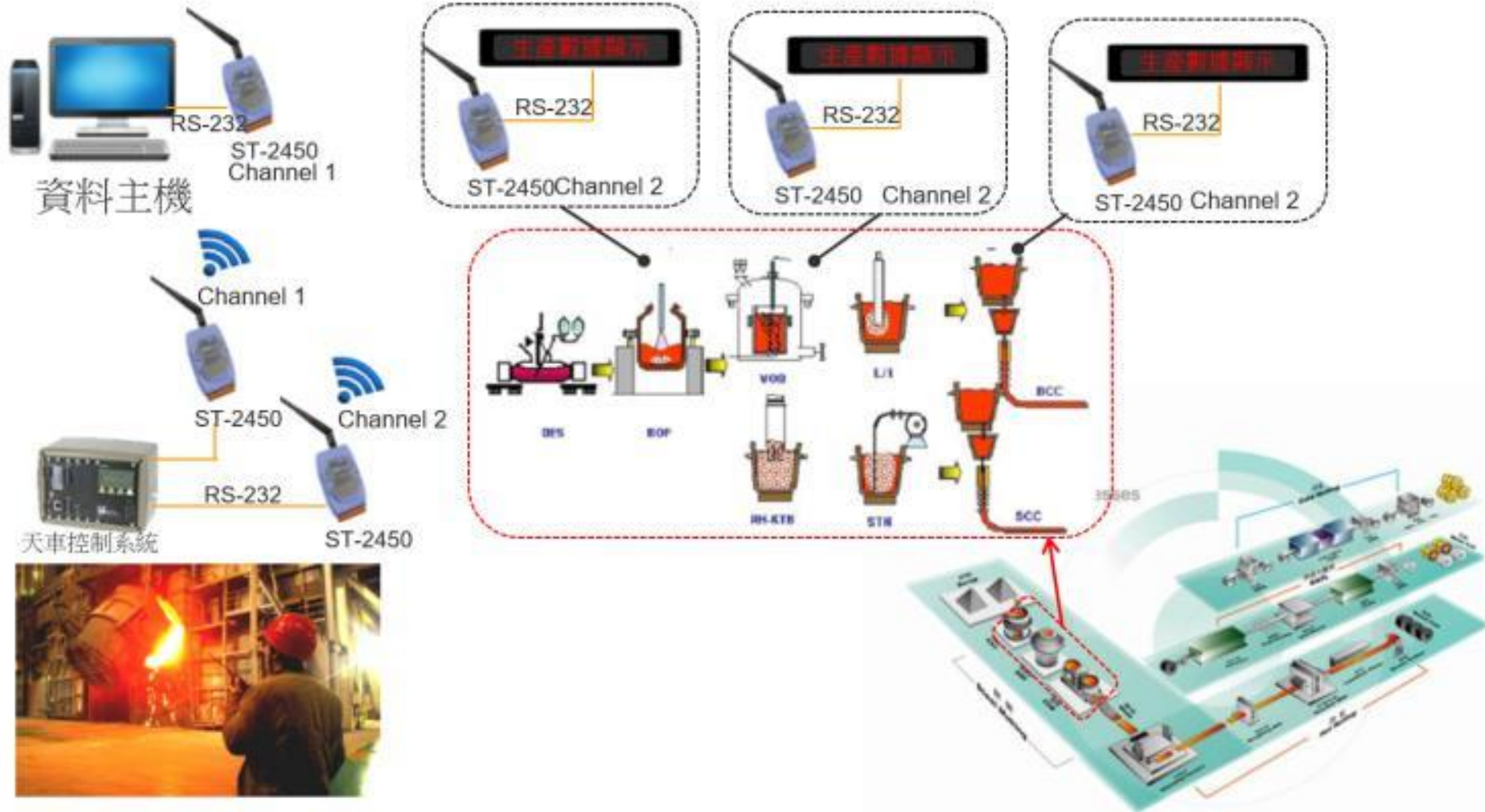
# Machine Condition Monitoring in Plastic Injection Factory



- Mainly with 4.3" TPD, obtain information such as power meter, temperature, safety door status, mold opening and closing times, and preheating status.
- Through the network, RS-485 or ZigBee, etc., it can be integrated with the background SCADA to achieve unified monitoring and management.



# Real-time production data for steel plants and refining stations







# Food Factory Production History



Oil tank overflow  
monitoring system

Product Fill  
Checkweigher System

Computer room  
monitoring system

Warehouse/factory  
temperature & humidity  
monitoring system





# 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



ISO 9001: 2015



TÜV Rheinland



Dun & Bradstreet

# The affirmation of the previous Taiwan Excellence Awards



**DL-302 and WF-2000**



**WISE-5200**

**Web-based IoT I/O Controller**



**WP-8841 and G-4500**



**WISE-7901**



**WISE-5800**

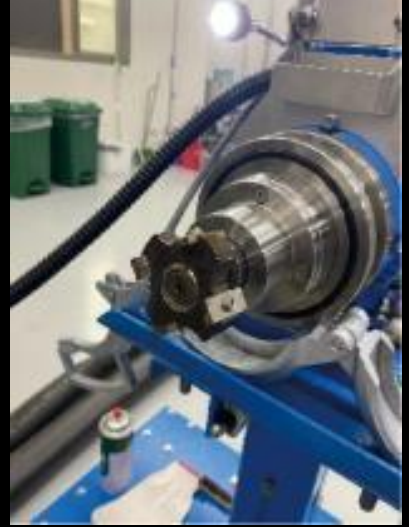
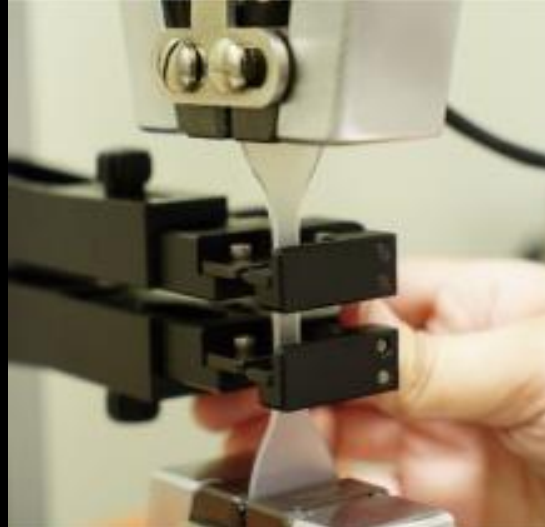
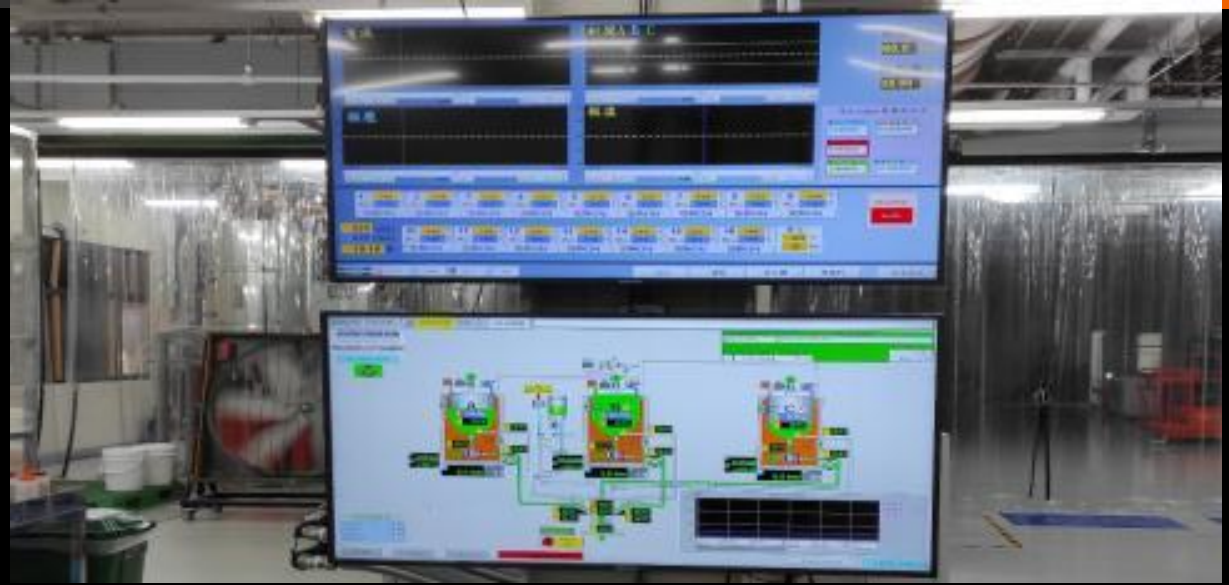


**μPAC-5000 and WISE-5801**





# TPU Facility







# TPU Production Line





# TPU Product Series

Specification		BMP Series
<b>Polyether Polycarbonate based Hardness: 75A*-70D</b>	<ul style="list-style-type: none"><li>■ Transparent</li><li>■ 20% Ba2SO4(B20)</li><li>■ 40% Ba2SO4(B40)</li><li>■ Available for colour matching</li><li>■ Tungsten (W30,40,50)</li></ul>	<b>Polyether aliphatic polyurethane /ALP Alithane/ALP</b>
<b>Aliphatic Polycarbonate based Hardness: 75A*-65D</b>		<b>Polycarbonate aliphatic polyurethane/ALC Durathane/ALC</b>
<b>Polyether Aromatic based Hardness: 75A*-70D</b>		<b>Polyether aromatic polyurethane/ARP Arothane/ARP</b>

The TPU products provided by ICP DAS-BMP have passed the USP Class VI Biosafety testing, ISO 10993-4 Hemocompatibility testing, ISO 10993-5 Cytotoxicity testing, and ISO 10993-10 Irritation and Skin Sensitization testing. The production is committed to the ISO 13485 Quality Management Systems.



Port-A Catheter



Guidewire for Pacemaker



CVC



PICC



Ureteric Stent



Nasogastric Feeding Tubes



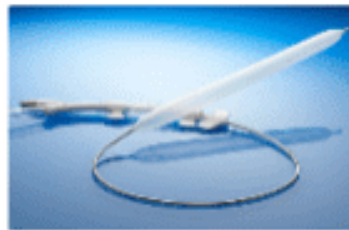
Orthodontic Aligner/Retainer



Venous Catheter



Peritoneal Dialysis Catheter



Balloon Dilatation Catheters

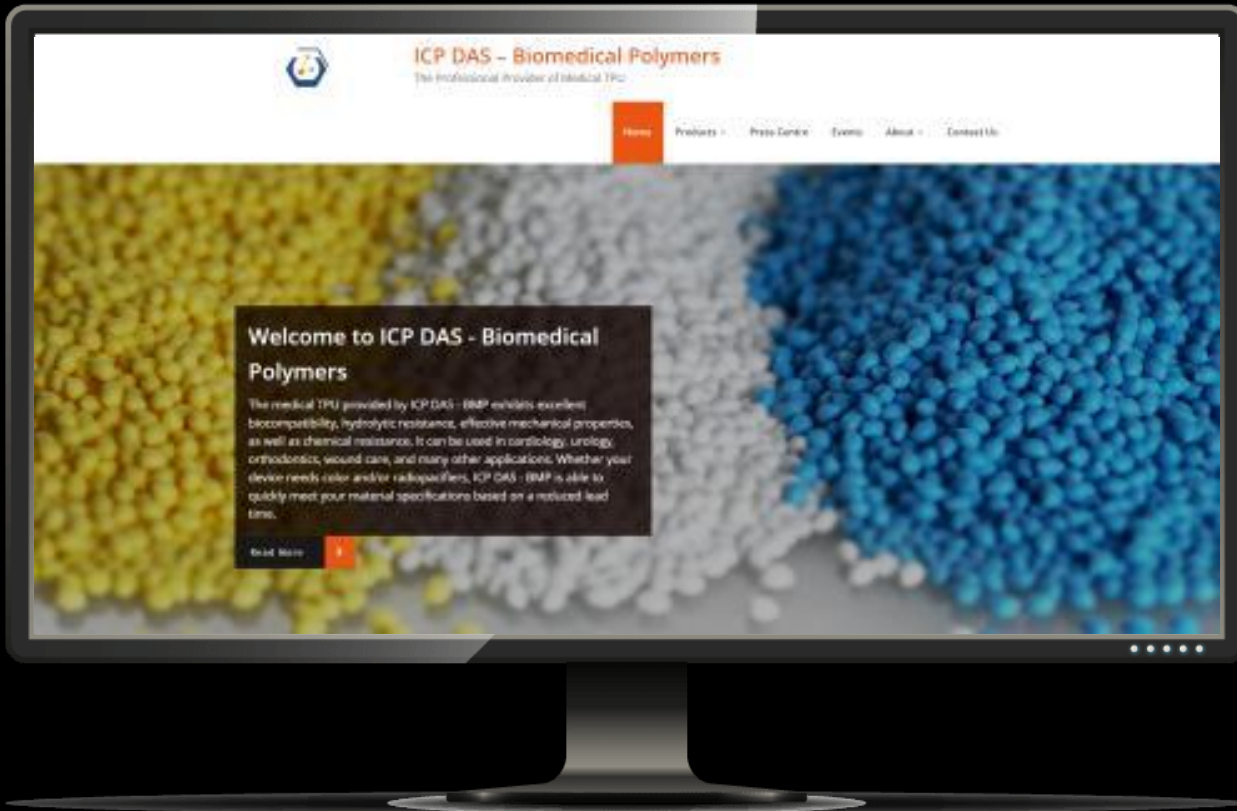


High Pressure Tubing





# For More TPU Information



Website



LinkedIn



Twitter



# ICP DAS Core Traits





# ICP DAS Vision

**Service**  
Is our appeal

**Quality**  
is our insistence

**Service**

**Innovation**  
is our essence

**Products**  
are what customers  
expect

Innovation & Integration & Solution





# ICP DAS



## Industrial Automation Technology

Innovator and Enhancer.



**Industrial Automation Technology**  
**Innovator and Enhancer.**

## Financial Division

**鄭碧 玉 Serena Cheng**  
**財務長 Chief Financial Officer**  
**發言人 Spokesman**





03

# Operating Performance





# Statement of Comprehensive Income

Unit: NT\$ thousands ; NT\$	2022Q1		2022Q2		2022Q1~Q2		2021Q1~Q2		Quarterly QoQ	Yearly YoY
Consolidated Financial Statements	Amount	%	Amount	%	Amount	%	Amount	%	%	%
Operating revenue	256,584	100	316,251	100	572,835	100	507,598	100	+23.25%	+12.85%
Operating costs	110,815	43	129,073	41	239,888	42	217,578	43	+16.48%	+10.25%
Gross profit (loss) from operations	145,769	57	187,178	59	332,947	58	290,020	57	+28.41%	+14.80%
Operating expenses	108,272	42	110,271	35	218,543	38	197,075	39	+1.85%	+10.89%
Net operating income (loss)	38,281	15	77,677	24	115,958	20	94,494	19	+102.91%	+22.71%
Non-operating income and expenses	3,301	1	2,726	1	6,027	1	- 211	-	-17.42%	+2956.40%
Profit (loss) from continuing operations before tax	41,582	16	80,403	25	121,985	21	94,283	19	+93.36%	+29.38%
Profit (loss)	33,266	13	64,209	20	97,475	17	75,116	15	+93.02%	+29.77%
Total basic earnings per share ( NT\$)	0.63		1.21		1.84		1.42		+92.06%	+29.58%

Operating Revenue : **June 2022 revenue hit a five-year high**

Non-operating income and expenses : **Net foreign currency exchange benefit of \$4,738,000 in 2022 Q2**

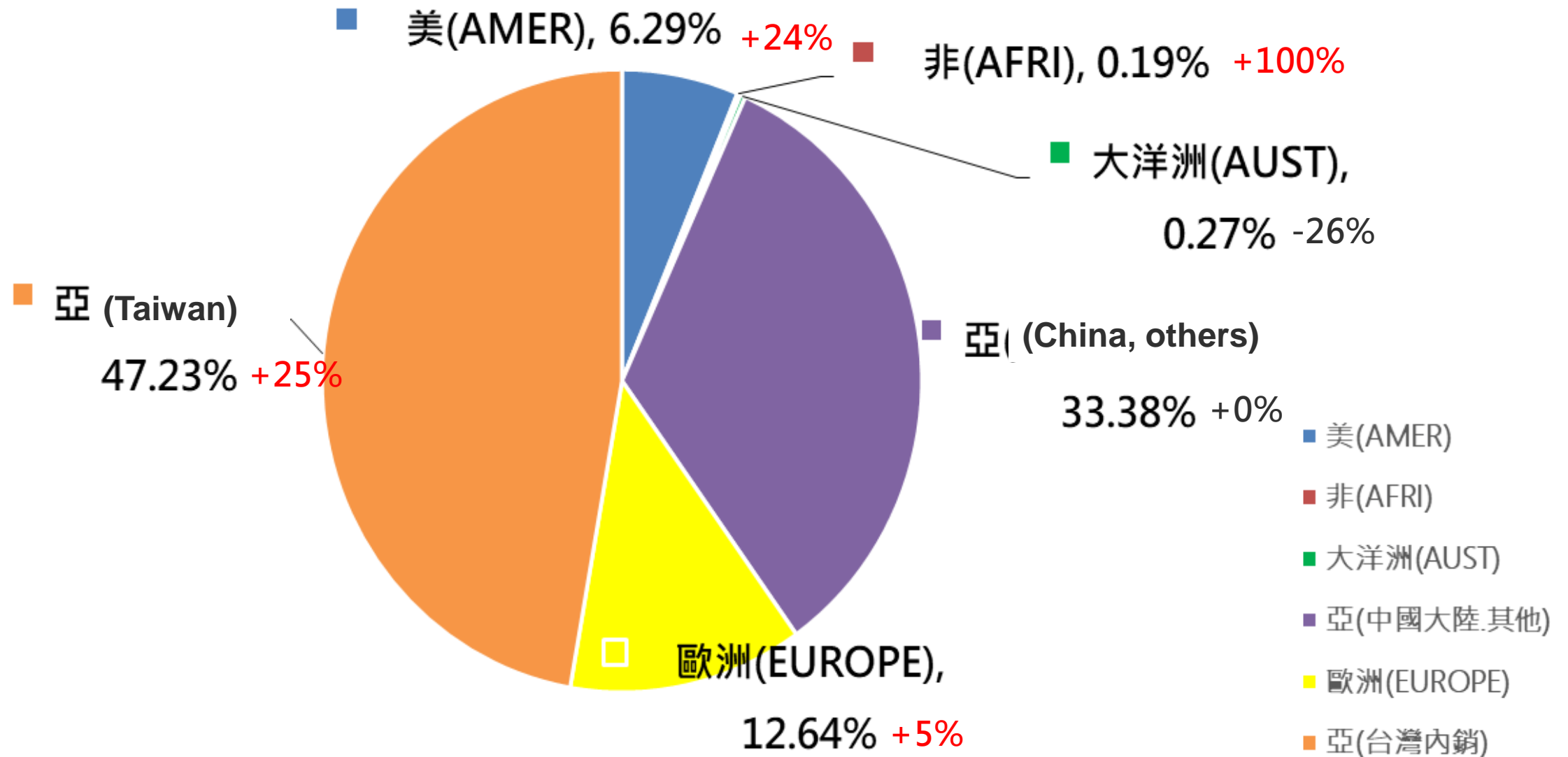
EPS : **2022 Q2 profit hits a five-year high**



# Consolidated Balance Sheet and Key Indices

Unit: NT\$ thousands

Consolidated Financial Statements	2022/6/30	%	2022/3/31	%	2021/6/30	%
Cash and cash equivalents	120,486	7	118,254	8	165,556	12
Accounts receivable, net	138,027	8	101,404	6	118,739	9
Current inventories	552,973	34	501,971	32	325,854	23
Property, plant and equipment	684,733	42	656,585	42	656,754	47
<b>Total assets</b>	<b>1,642,062</b>	<b>100</b>	<b>1,554,405</b>	<b>100</b>	<b>1,401,910</b>	<b>100</b>
Total current liabilities	438,361	27	326,281	21	287,454	21
Total non-current liabilities	62,567	4	70,342	5	88,360	6
<b>Total liabilities</b>	<b>500,928</b>	<b>31</b>	<b>396,623</b>	<b>26</b>	<b>375,814</b>	<b>27</b>
<b>Total equity</b>	<b>1,141,134</b>	<b>69</b>	<b>1,157,782</b>	<b>74</b>	<b>1,026,096</b>	<b>73</b>
<b>Key Financial Indices</b>						
應收款項收現天數 AR turnover days	41		39		40	
平均銷貨天數 Inventory turnover days	464		481		350	
應付款項付現天數 AP turnover days	75		74		57	
權益報酬率(%) Return On Equity	17.24		11.68		14.90	

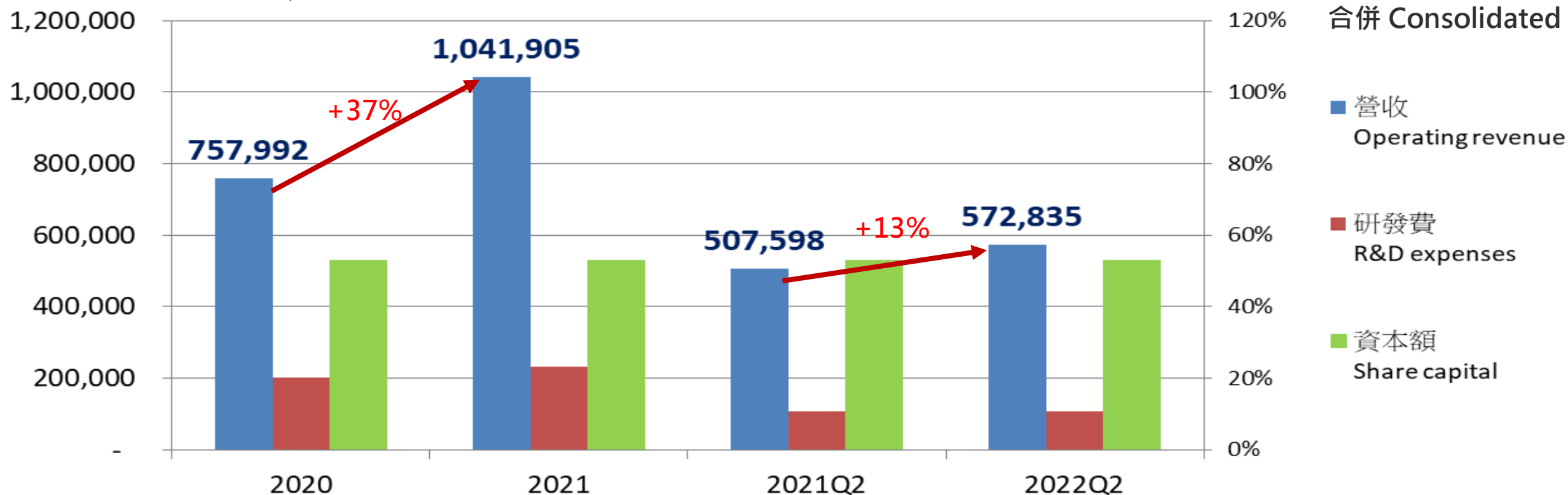






# Consolidated Operating revenue /R&D expenses

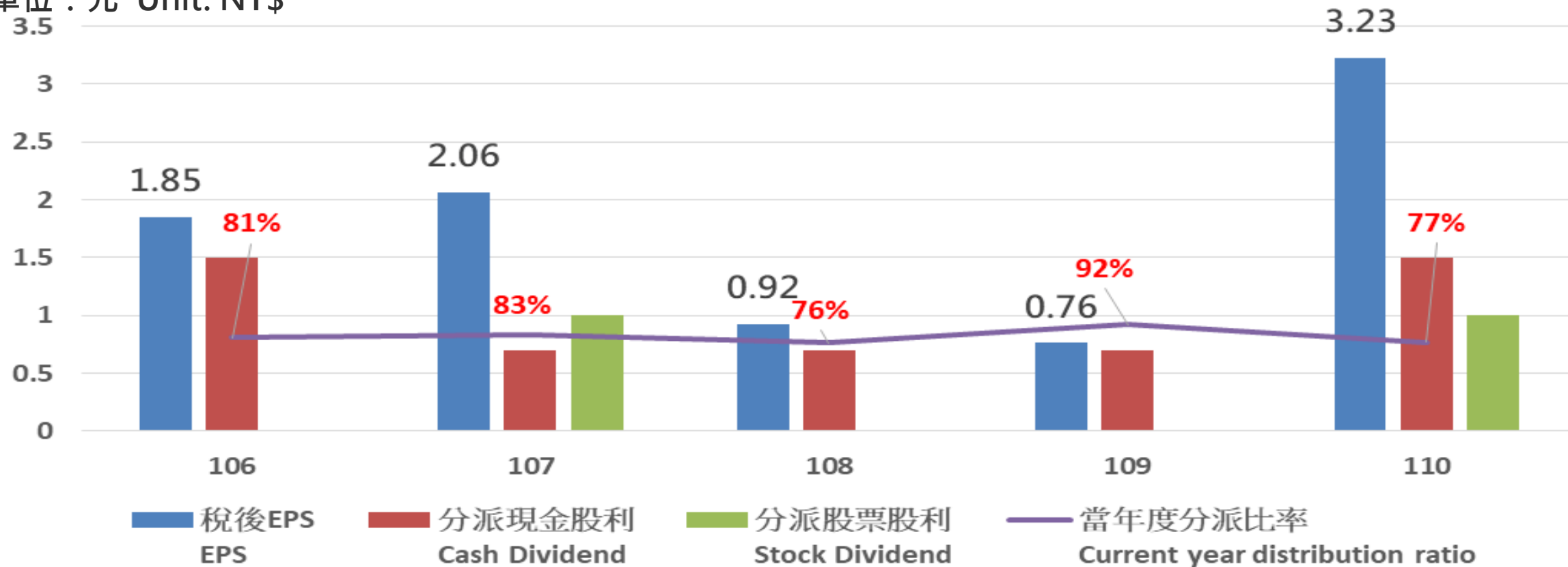
單位：新台幣仟元 Unit: NT\$ thousands



年度	2020	2021	2021Q2	2022Q2
營收 Operating revenue	757,992	1,041,905	507,598	572,835
研發費 R&D expenses	202,060	230,655	105,941	107,138
資本額 Share capital	528,642	528,642	528,642	528,642
營收年增率 Operating revenue YoY%	-3%	37%	40%	13%
研發比重 R&D %	27%	22%	21%	19%

# Dividend over the years

單位：元 Unit: NT\$



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



# Business Philosophy

Shareholder

***Create win-win situations***

Customer



Employee

***Integrity and sustainable operation***

Distributor



04

Q & A

# About ICP DAS



**WEBSITE**

[www.icpdas.com](http://www.icpdas.com)



**BLOG**

[www.icpdas.blog](http://www.icpdas.blog)



**E-NEWS**



**LINKEDIN**

[www.linkedin.com/company/icpdas-tw](http://www.linkedin.com/company/icpdas-tw)



**FACEBOOK**

[www.facebook.com/ICPDASTW](http://www.facebook.com/ICPDASTW)



**YOUTUBE**

[www.youtube.com/user/icpdas](http://www.youtube.com/user/icpdas)



**Industrial Automation Technology  
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Thank you for your listening.

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

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