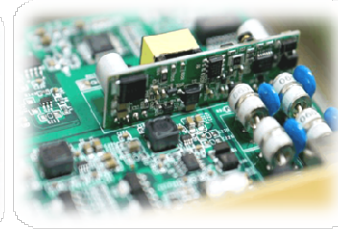


AHOKU

歐格電子股份有限公司  
AHOKU Electronic Company

法人說明會  
Investor Conference

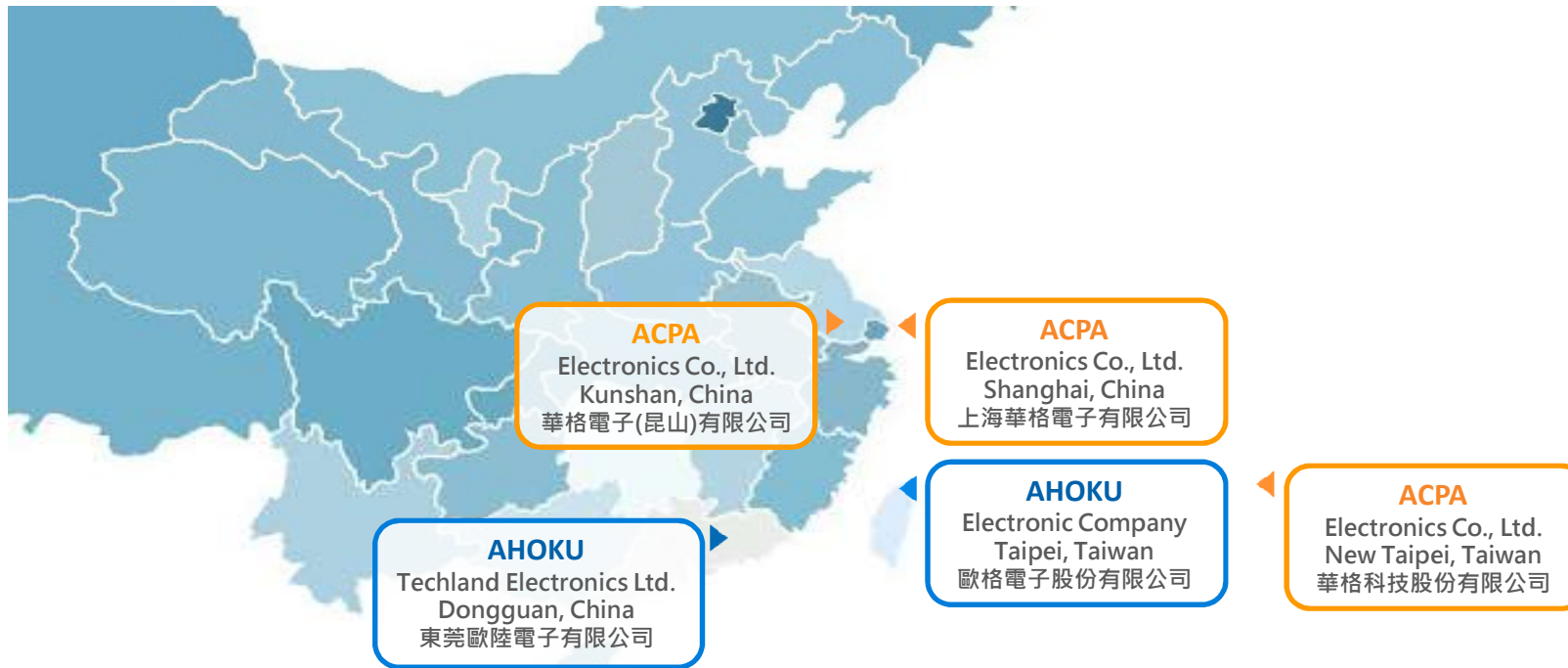
Date: Dec. 1, 2021



# 簡報大綱 AGENDA



- 01** 公司簡介    Company Profile
- 02** 財務報告    Financial Results
- 03** 產品銷售    Products Marketing
- 04** 研發佈局    R&D Roadmap
- 05** 意見交流    Q&A



# Company Profile



AHOKU Group	歐格電子 AHOKU Electronic	東莞歐陸 AHOKU Techland
公司設立 Established	Aug. 1, 1983	Jul. 15, 1997
營運據點 Location	Taipei, Taiwan	Dongguan, China
集團定位 Position	Head Office Sales Center R&D Center	Manufacturing Center Engineering Center
資本額 Capital	NT\$ 1,020,000 Thousand	HK\$ 50,000 Thousand
上市日期 IPO	TWSE in Jan. 23, 2002	-----
工廠認證 Certification	-----	ISO 9001
主要產品 Core Products	Smart Power Management Devices Touch Display and Peripherals of Arcade Games	

# Company Profile

# 生產基地 Production Base



Office Building and Factory Area of AHOKU Techland

# Company Profile

## 生產基地 Production Base



Semi-automatic  
Production  
Machines of  
AHOKU Techland



# Company Profile

## 公司治理與企業社會責任 Corporate Governance and Social Responsibility



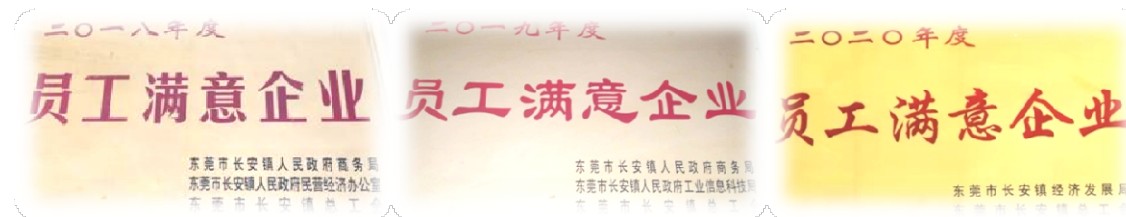
- 電信聯盟企業社會責任論壇 JAC CSR Forum / Sedex 全球社會責任聯盟 Sedex Global CSR



- 贊助公益活動/提供獎助學金 Sponsor Public Welfare Activity/ Student Scholarship



- 幸福員工企業獎 Happy Employee Enterprise Award



# Company Profile

AHOKU



ACPA Group	華格科技 ACPA Technology	上海華格 ACPA Shanghai	昆山華格 ACPA Kunshan
公司設立 Established	Nov. 26, 2001	Nov. 8, 2001	Nov. 7, 2006
營運據點 Location	New Taipei, Taiwan	Shanghai, China	Kunshan, China
集團定位 Position	Head Office Sales Center Customer Service	Sales Office Customer Service	Manufacturing Center R&D Center Engineering Center
資本額 Capital	NT\$ 231,312 Thousand	US\$ 320 Thousand	US\$ 4,200 Thousand
工廠認證 Certification	-----	-----	ISO 9001 ; ISO 14001
主要產品 Core Products	Circuit Protection Components		



# Company Profile

## 生產基地 Production Base



Factory Area of [ACPA Kunshan](#)

## Company Profile

## 生產基地 Production Base

AHOKU



Production Lines of [Protection Components](#) at ACPA Kunshan  
Specifications and production quantities of [Gas Discharge Tube](#) rank second in this industry

## Company Profile

## 生產基地 Production Base

AHOKU



Production Lines of [Semiconductor Components](#) at ACPA Kunshan

As passing customer's testing certification, the sales of Semiconductor Components will continue to increase in the future

## Company Profile

## 生產基地 Production Base

AHOKU



Overall QC & QA Inspection at ACPA Kunshan  
Impulse Current Test Lab. ([IEC 61643-311 / UL 1449](#)) at ACPA Kunshan, providing circuit design assistance and products test service

財務報告



# 財務報告 Financial Results

# Financial Results

## 合併綜合損益表 Consolidated Income Statement



單位：新台幣仟元 / Unit in NT\$ thousand

年度 Year	Year 2017		Year 2018		Year 2019		Year 2020		2021 Q1~Q3		2020 Q1~Q3	
營業收入 Net Revenue	665,555	100.0%	612,158	100.0%	684,216	100.0%	818,717	100.0%	403,878	100.0%	593,970	100.0%
營業毛利 Gross Profit	201,085	30.2%	172,574	28.2%	200,667	29.3%	203,617	24.9%	85,070	21.1%	157,016	26.4%
營業淨利 Operating Income	32,782	4.9%	(3,088)	-0.5%	18,694	2.7%	6,851	0.8%	(22,756)	-5.6%	5,811	1.0%
稅前淨利 Pre-tax Income	85,937	12.9%	15,085	2.5%	75,891	11.1%	66,761	8.2%	1,546	0.4%	56,265	9.5%
稅後淨利 Net Income	72,814	10.9%	(31,922)	-5.2%	61,202	8.9%	51,031	6.2%	1,621	0.4%	44,735	7.5%
基本每股盈餘(元) Basic EPS (NT\$)	0.73		(0.28)		0.64		0.57		(0.05)		0.48	

# Financial Results

## 合併資產負債表 Consolidated Balance Sheet



單位：新台幣仟元 Unit in NT\$ thousand	2017.12.31		2018.12.31		2019.12.31		2020.12.31		2021.09.30	
現金及有價金融商品投資 Cash & Marketable Securities	1,161,993	62.0%	1,137,468	62.2%	1,197,738	62.2%	1,233,096	65.0%	1,087,812	59.8%
應收帳款 Accounts Receivable	194,288	10.4%	168,040	9.2%	172,021	8.9%	147,264	7.7%	145,966	8.0%
存貨 Inventories	121,618	6.5%	144,754	7.9%	191,220	9.9%	181,685	9.6%	248,720	13.7%
不動產、廠房及設備 Property, Plant and Equipment	321,678	17.2%	306,646	16.7%	288,788	15.0%	275,511	14.5%	260,828	14.4%
其他資產 Other Assets	72,918	3.9%	72,866	4.0%	77,806	4.0%	60,455	3.2%	74,726	4.1%
<b>資產總計 Total Assets</b>	<b>1,872,495</b>	<b>100.0%</b>	<b>1,829,774</b>	<b>100.0%</b>	<b>1,927,573</b>	<b>100.0%</b>	<b>1,898,011</b>	<b>100.0%</b>	<b>1,818,052</b>	<b>100.0%</b>
流動負債 Current Liabilities	183,236	9.8%	152,856	8.4%	189,398	9.8%	183,737	9.7%	178,019	9.8%
非流動負債 Non-Current Liabilities	265,455	14.2%	311,736	17.0%	325,280	16.9%	337,253	17.8%	337,566	18.6%
<b>負債總計 Total Liabilities</b>	<b>448,691</b>	<b>24.0%</b>	<b>464,592</b>	<b>25.4%</b>	<b>514,678</b>	<b>26.7%</b>	<b>520,990</b>	<b>27.5%</b>	<b>515,585</b>	<b>28.4%</b>
<b>權益總計 Total Equity</b>	<b>1,423,804</b>	<b>76.0%</b>	<b>1,365,182</b>	<b>74.6%</b>	<b>1,412,895</b>	<b>73.3%</b>	<b>1,377,021</b>	<b>72.5%</b>	<b>1,302,467</b>	<b>71.6%</b>

# Financial Results

## 財務指標 Financial Indicators

AHOKU

項目	2017.12.31	2018.12.31	2019.12.31	2020.12.31	2021.09.30
負債比率 Debt Ratio(%)	24.0%	25.4%	26.7%	27.5%	<b>28.4%</b>
流動比率 Current Ratio(%)	823.1%	968.5%	844.1%	865.0%	<b>853.6%</b>
速動比率 Quick Ratio(%)	745.6%	865.2%	733.3%	758.3%	<b>704.3%</b>
資產報酬率 Return On Asset(%)	4.3%	-1.5%	3.5%	3.0%	-0.3%
權益報酬率 Return On Equity(%)	5.8%	-2.3%	5.2%	4.6%	-0.5%
每股淨值 Equity Per Share (NT\$)	12.49	11.97	12.51	12.20	11.42



產品銷售



產品銷售 Products Marketing



### 電源及雲端智慧管理裝置 Smart Power Management Devices

- Surge Protectors
- Smart Power Management
- Travel Adapter/Converter



### 博弈機觸控螢幕及周邊設備 Touch Display and Peripherals of Arcade Games

- Touch Display of Arcade Games
- Peripheral Equipments



### 電路保護元件 Circuit Protection Components

- Protection Components
- Semiconductor Components

Desk & Edge-Mount Power Outlets



Desk Clamp Power Strip



Power Strip with Wireless charger



Foldable Surge Protector



Patented UFO

• 智慧電源系統 Smart Safety Power

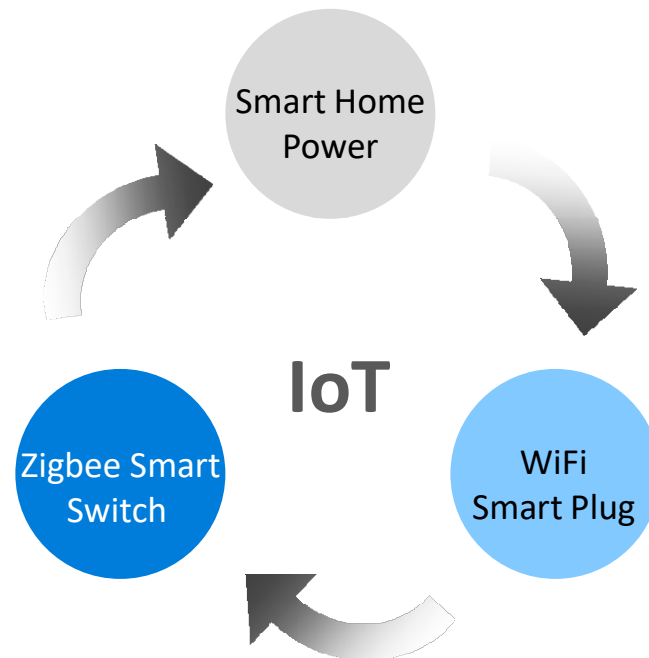
智慧家庭電源設備  
Smart Home Power



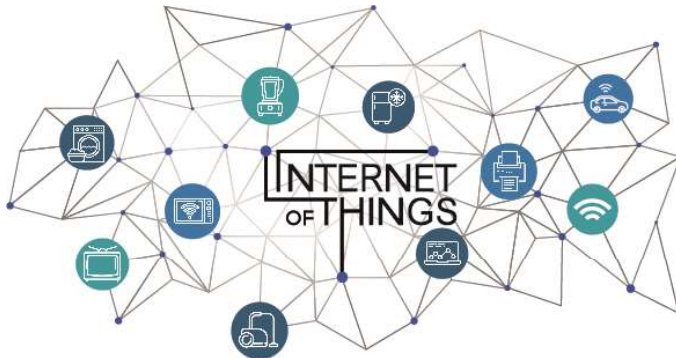
無線智慧插座  
IoT Smart Plug



智能開關  
Zigbee Smart Switch



• Smart Plug



Ahoku provides one-stop solution for IoT smart plug from hardware, firmware, mechanical, APP to package.

• Smart Plug to EV Charging



### 電源分配器 Rack PDU Series

The AHOKU PDU provides data centers with multiple levels of power distribution solutions. It not only adds functionalities such as remote monitoring, energy management, but also built-in surge protector to ensure the safety that power equipment are protected from circuit overload.



Basic PDU



Metered PDU



Smart PDU



Europe PDU



萬國旅行  
45W PD  
**TRAVEL ADAPTER**  
FAST CHARGING



18W/30W/45W Type-C PD/QC3.0快速充電，  
可支援最新行動充電設備並同時使用5~6款行動裝置。

Type C PD Travel Adapter  
USB-C PD  
旅行快充轉換器



變壓器模式 Converter Mode:  
電壓轉換 220V 轉 110V



轉換器模式 Adapter Mode:  
適用電壓100V-240V 旅行插頭轉換



充電器模式 PD & USB Charger:  
USB-C PD & USB輸出 · 快速充電



25W/2000W 雙插座智能變壓器  
專利自動切換、USB-C PD快充



• **Wireless Charger 磁吸無線充電器**

微笑•互動•充電: 15W磁吸精準定位·靜音溫控·讓生活充滿無限可能





博奕機觸控螢幕  
Touch Display of Arcade Games



博奕機週邊設備組件  
Peripheral Equipments



- ACPA – Protection Components 華格-保護元件



- 氣體放電管 Gas Discharge Tube (GDT)
- 壓敏電阻 Metal Oxide Varistor (MOV)
- 高分子正溫度係數熱敏電阻 Polymeric Positive Temperature Coefficient (PPTC)



## • ACPA – Semiconductor Components 華格-半導體元件



### 保護/半導體元件應用：

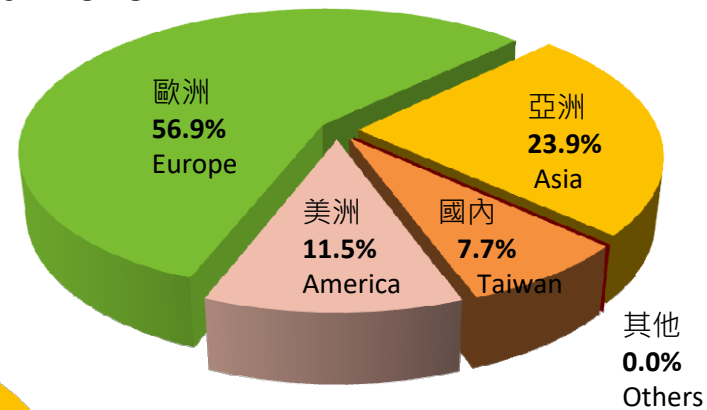
通訊設備、通訊基地台、電源、消費電子、安全防護、智慧家居、汽車電子、再生能源、照明、醫療等。

### Protection/Semiconductor Components Applications:

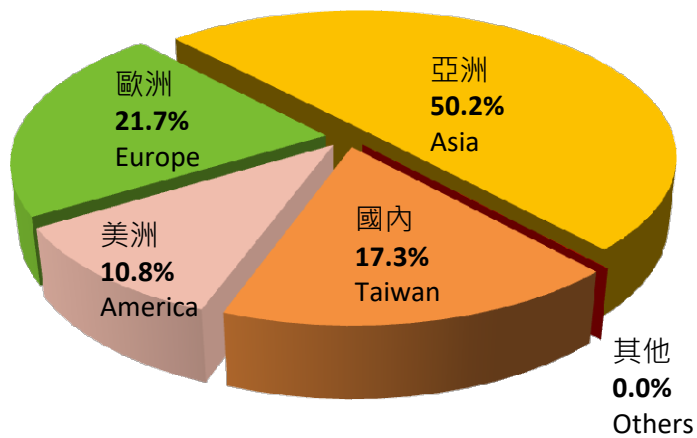
Telecom Equipment、Telecom Base Station、Power Supply、Consumer Electronics、Security System、Smart Home、Automotive Electronics、Renewable Energy、Lighting、Medical Care etc.

- 瞬態電壓抑制二極體  
Transient Voltage Suppressors (TVS)
- 靜電保護器  
ESD Protector
- 穩壓二極體  
Zener Diode
- 肖特基整流二極體  
Schottky Barrier Rectifier
- 電晶體  
Transistor

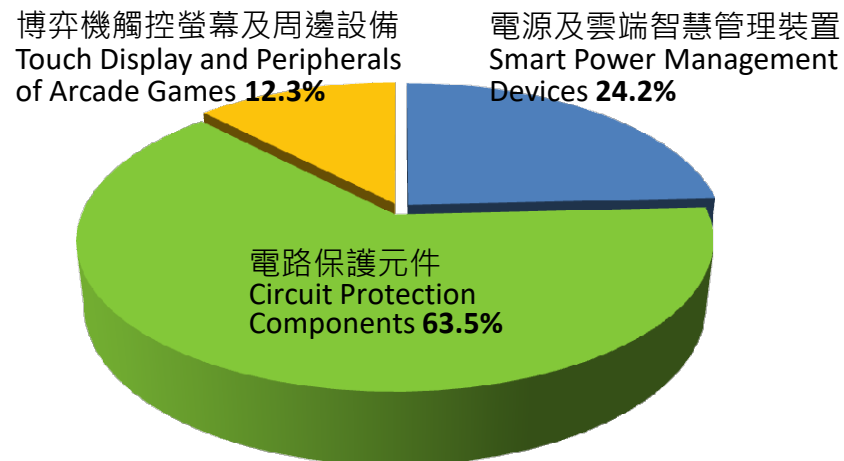
Year 2020



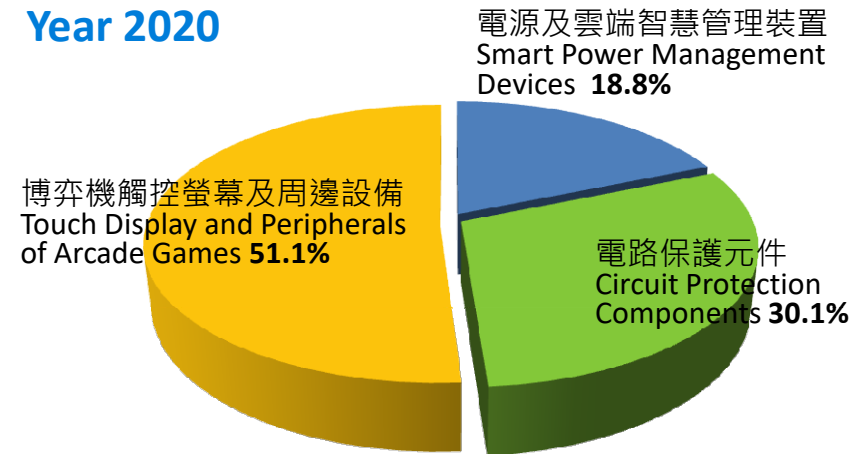
2021 Q1~Q3



2021 Q1~Q3



Year 2020



研發佈局



AHOKU

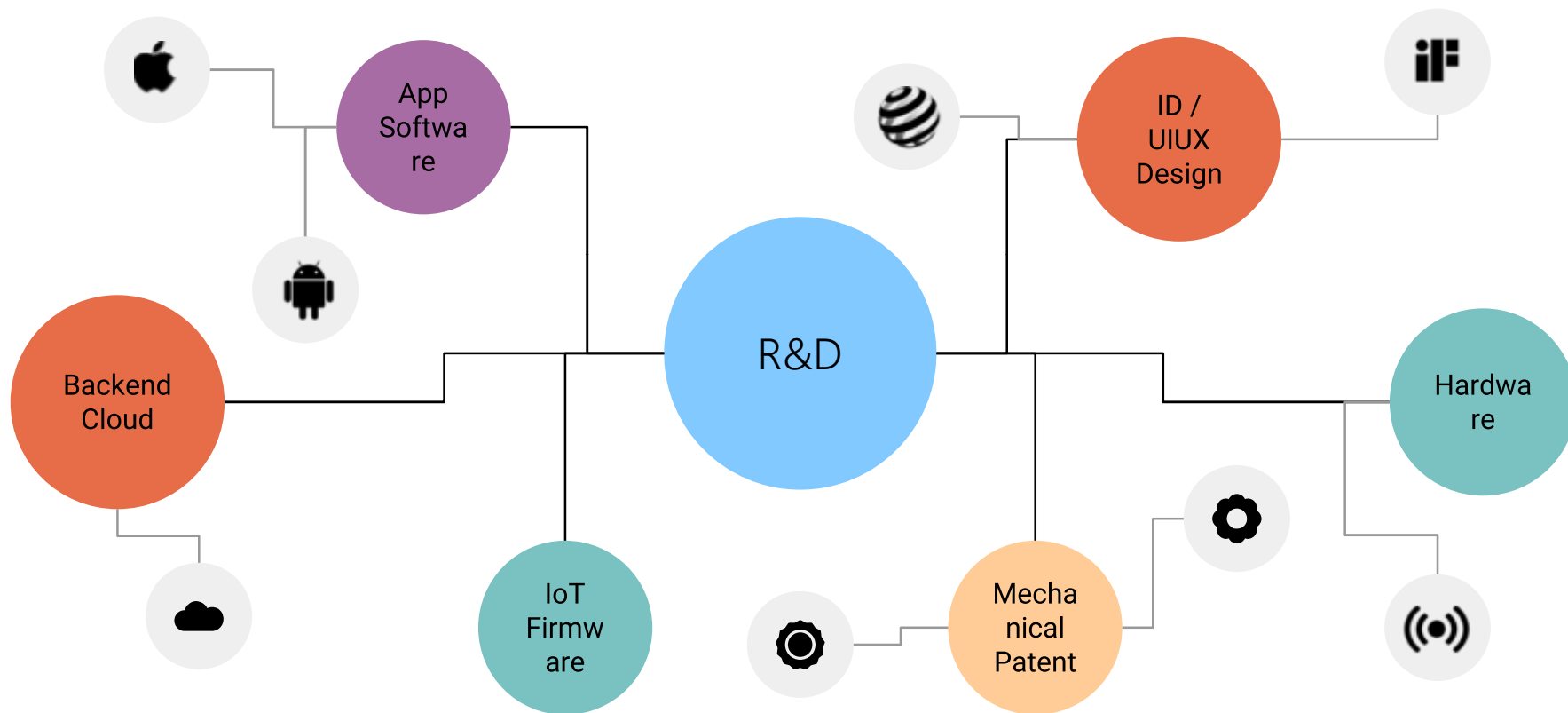
研發佈局 R&D Roadmap

# 研發團隊

## 具備六大核心人才



我們能夠獨立及相互整合，因應各種開發需求，提供最佳設計服務及解決方案  
Extensive R&D capabilities, providing the best design services and solutions





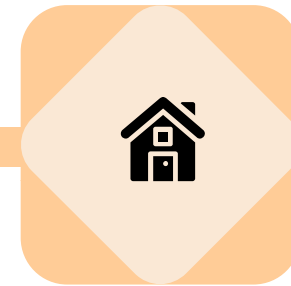
充電+無線  
Wireless charger  
Smart plug  
EV charger



智慧電力管理  
Smart PDU  
Meter PDU



LCD  
LCD monitor  
Touch screen



Home IoT  
Home Station  
Home Care App



# 全面性認證

## Certification

AHOKU

全面性安規測試項目  
Comprehensive safety test USB /Type C/PD 充電性能測試  
USB/Type C/PD charging performance test  
禁用有害物質檢測 Hazardous substance inspection



TUV Certificate  
TUV Witness  
Test Lab.



# 專利獎項

## Patents and Awards

AHOKU



COMPUTEX TAIPEI  
BEST CHOICE





### 持續深耕核心電源插座產品開發

Continuously devoting to development of core surge protectors



汽車AC充電器  
結合電源與無線  
通訊的應用



產品開發

Product Development

AHOKU



# 智能PDU

Smart PDU series

AHOKU



## 遠端智能電源管理系統

因應資料中心發展趨勢及客戶端對電源管理智慧化需求，開發具備雲端監控之智能PDU系列產品。

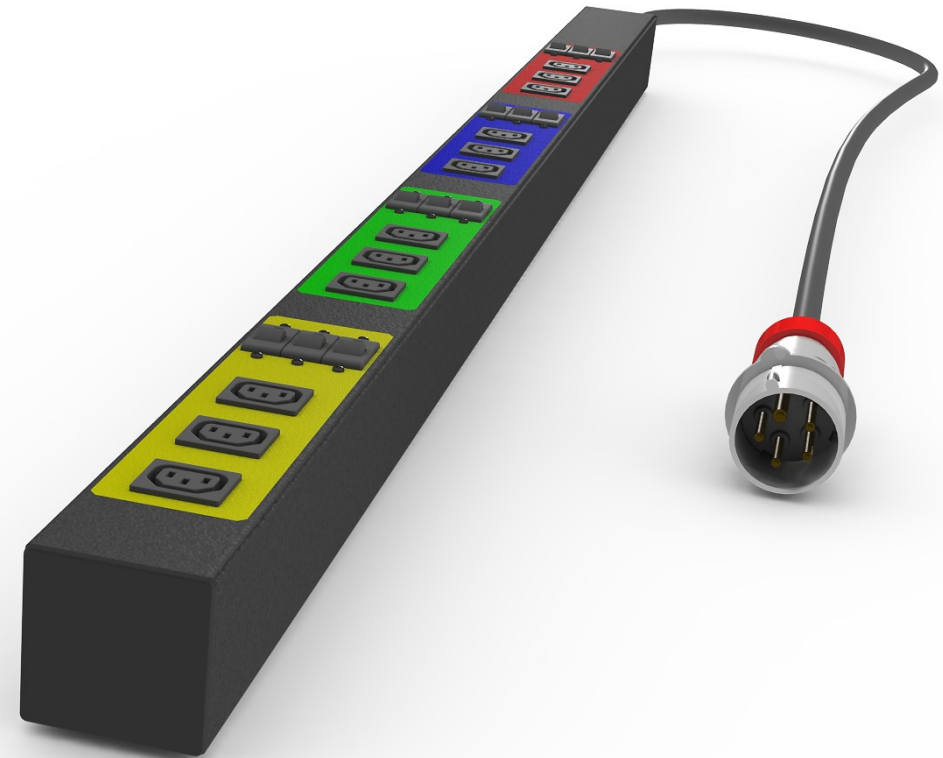
Considering the development trend of data centers and customer requirements for smart power management, we develop intelligent PDU series with remote power monitoring and networked iPDU system.



# 大功率PDU

Remote Smart Power Management System

AHOKU



# 遠端控制

## Remote Control

AHOKU

Intelligent PDU helps IT administrators efficiently manage servers remotely via web-based management platform, allows them to keep track of the power status of each cabinet to improve system uptime. Improve the energy efficiency and environmental performance of the data center.



# 博弈機觸控螢幕

## Touch Display of Arcade Games



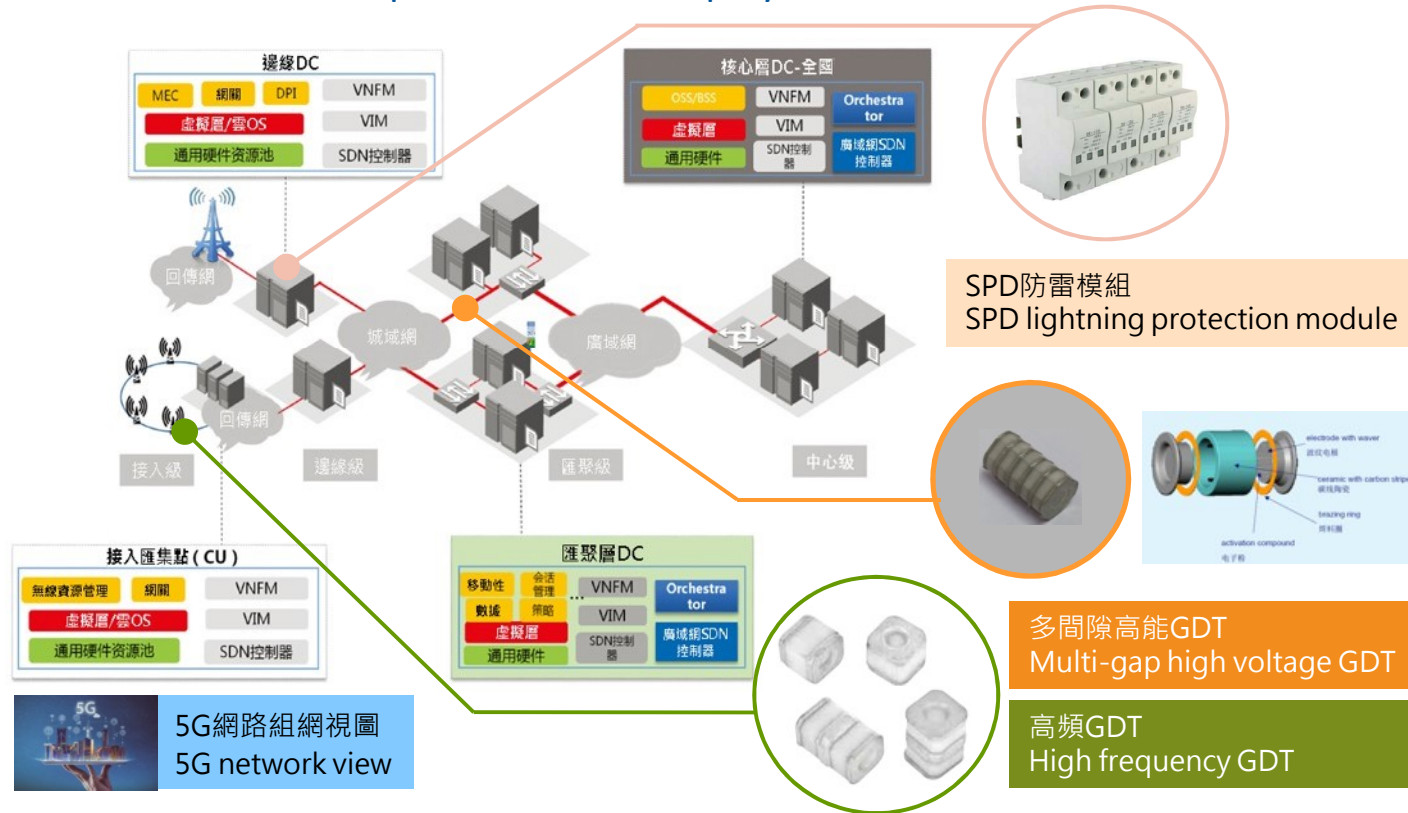
持續開發博弈機觸控螢幕及週邊設備

Continuously develop touch display of arcade games and peripherals equipment, expanding the development of product lines.





### Protection components-future deployment of 5G market



# 應用趨勢

## Application Trends



保護元件-應用趨勢 (醫療、電動車、電池管理、充電樁、太陽能、  
安防系統、LED照明等)

Protection components-application trends (medical, electric vehicle, battery management,  
charging, solar, security system, LED lighting etc.)





Thank you for your attention!

AHOKU

AActive HOnor O rganic K nowledge U nique

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To learn more about AHOKU Group, Please Visit  
<https://www.ahoku.com.tw>

If you have any questions, please drop us an e-mail  
at [sales.web@ahoku.com](mailto:sales.web@ahoku.com) , and we will get back to  
you shortly

