

新唐科技股份有限公司

3Q'25 法人說明會

2025年11月4號

Agenda



新唐合併財務數字



新唐3Q'25 營運概況更新



數位電源與馬達控制微控制器



Q&A

免責聲明

- ❖ 本簡報中所提及之預測性資訊包括營運展望、財務狀況以及業務預測等內容，乃是建立在本公司從內部與外部來源所取得的資訊基礎。
- ❖ 本公司未來實際所可能發生的營運結果、財務狀況以及業務成果，可能與這些明示或暗示的預測性資訊有所差異。其原因可能來自於各種因素，包括但不限於市場風險、供應鏈、市場需求，以及本公司持續推出高品質產品能力等因素。
- ❖ 本簡報中對未來的展望，反應本公司截至目前為止對於未來的看法。對於這些看法，未來若有任何變更或調整時，本公司並不負責隨時再度提醒或更新。

新唐合併財務數字

新唐合併綜合損益表

	3Q'25		2Q'25		QoQ	
Unit: NT\$ M	Amount	%	Amount	%	Amount	%
Net Revenue	7,272	100	7,816	100	(544)	-
Gross Profit	2,597	35.7	2,728	34.9	(131)	0.8
Operating Income	(516)	(7)	(302)	(4)	(214)	(3)
Non-Operating Income	45	(1)	(343)	(4)	388	3
Income before Income Tax	(471)	(6)	(645)	(8)	174	2
Net Income (Loss)	(513)	(7)	(675)	(8)	162	1
EPS (NTD)	(1.22)		(1.61)		0.39	

新唐合併資產負債表

Unit: NT\$ M	Sep 30 '25		June 30 '25		QoQ	
	Amount	%	Amount	%	Amount	%
Cash & Cash Equivalents	9,584	29	9,685	29	(101)	-
Accounts Receivable	4,239	13	4,353	13	(114)	-
Other Receivable	508	1	565	2	(57)	(1)
Inventories	6,188	19	6,537	19	(349)	-
Long-Term Investments	2,723	8	2,636	7	87	1
Property, Plant, Equipment and R.O.U	7,702	23	7,766	24	(64)	(1)
Others	1,855	6	2,021	6	(166)	-
Total Assets	32,799	100	33,563	100	(764)	-
Current Liabilities	10,972	34	11,037	33	(65)	1
Non-Current Liabilities	8,010	24	8,462	25	(452)	(1)
Total Liabilities	18,982	58	19,499	58	(517)	-
Total Equity	13,817	42	14,064	42	(247)	-
Debt/Equity Ratio	1.4		1.4			

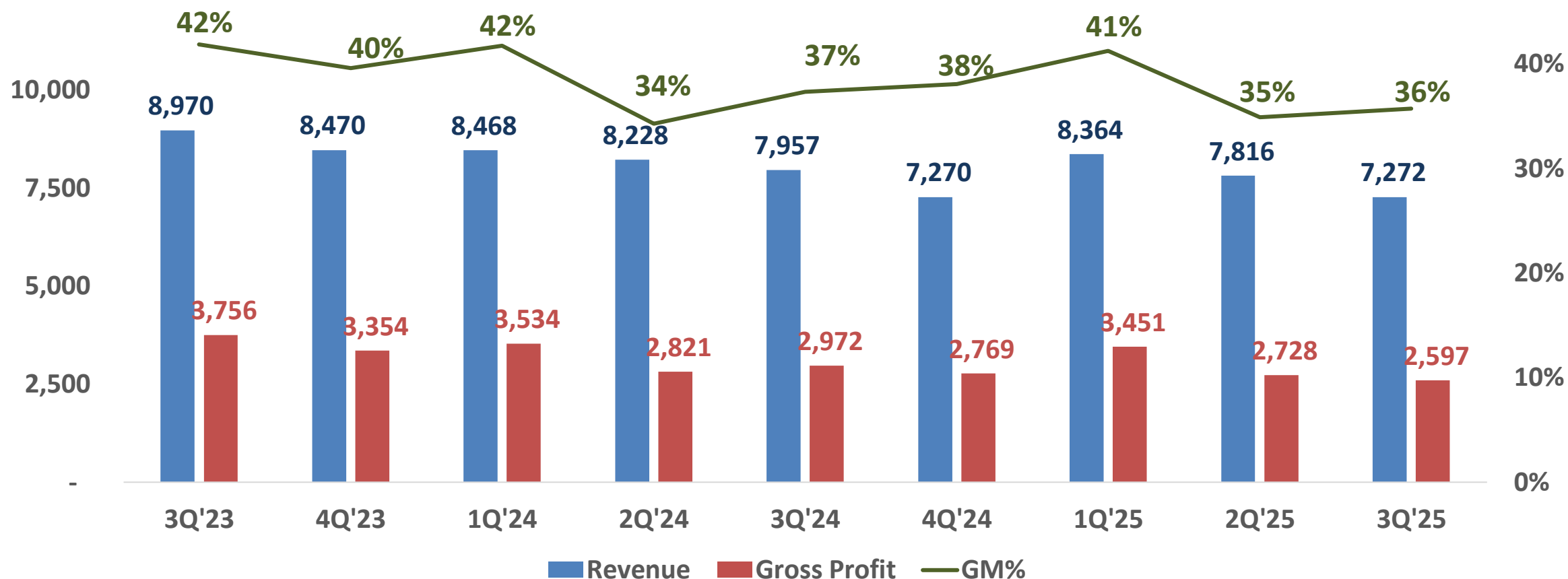
新唐合併現金流量表

	3Q'25	2Q'25	1Q'25
Unit: NT\$ M	Amount	Amount	Amount
Cash Flows from Operating Activities	58	202	(898)
Cash Flows from Investing Activities	(124)	(254)	(437)
Cash Flows from Financing Activities	(242)	217	5,679
Cash & Cash Equivalents	9,584	9,685	10,436

新唐合併營業收入與毛利

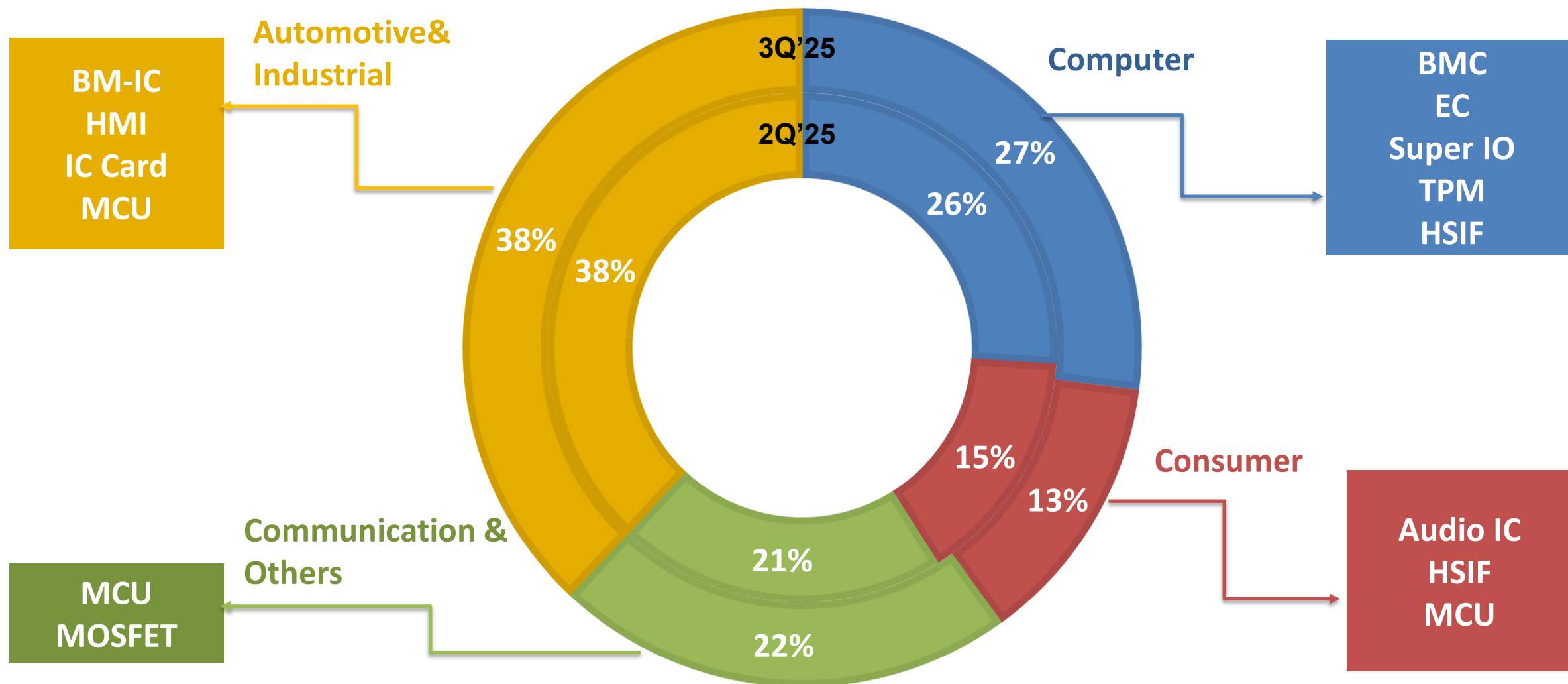
Revenue/Gross Profit (NT\$ M)

Gross Margin



新唐 3Q'25 營運概況更新

3Q'25銷售分析- 4C應用



Note: Foundry revenue was not included in the numbers .

新唐 3Q'25 營運概況更新(1)

Automotive & Industrial

- ❖ 在安全領域持續創新，新一代NFC標籤晶片(NFC Tag IC) 於本季開始量產，導入日本的駕照使用，持續強化產品競爭力
- ❖ Digital power MCU本季也已量產導入日本客戶的電動自行車充電樁應用，進一步強化新唐在電動化基礎設施市場的布局
- ❖ 推出「智慧座艙」一站式解決方案，採用符合汽車等級（AEC-Q100）的元件，可應用於車載通訊、車載緊急呼叫系統及車載儀表板，提升車艙內的安全性與使用者體驗

新唐 3Q'25 營運概況更新(2)

Computer

- ❖ 上季推出的Arbel系統級封裝(System-in-Package)BMC晶片NPCM8mnx，本季也於OCP高峰會發表，展現我們的整合型 BMC子系統，已具備支援下一代AI 伺服器及資料中心基礎設施的能力
- ❖ 48伏馬達驅動 IC也拓展至伺服器領域，可應用於伺服器風扇，本季已開始量產出貨給台灣電源大廠，目標市場涵蓋全球一線雲端服務供應商及伺服器品牌客戶

Communication

- ❖ 具備強大影像訊號處理(ISP)技術的Bridge IC，已成功導入中國智慧眼鏡客戶

數位電源與馬達控制微控制器

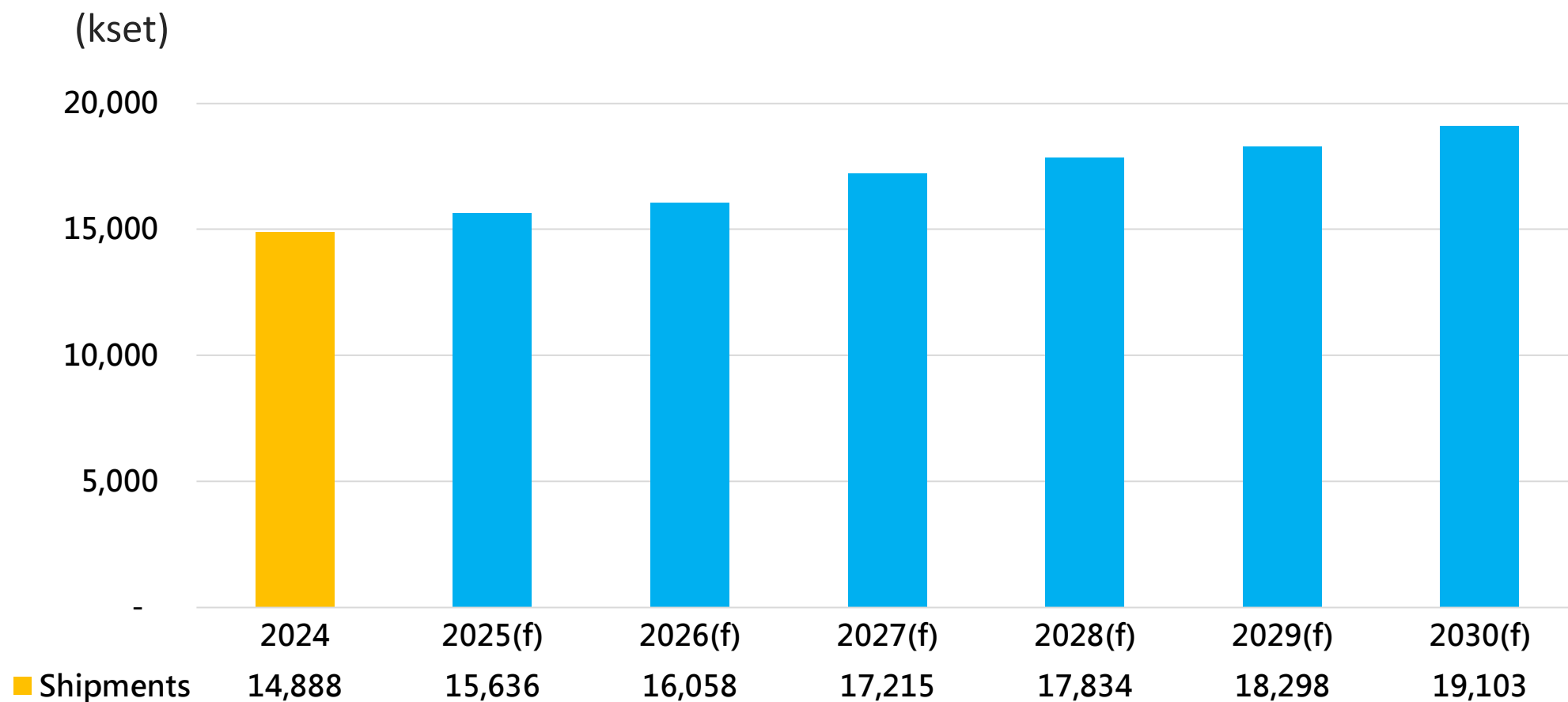


Sales Center
Johnson Chen



AI推動伺服器成長

Worldwide Server Shipment & Forecast



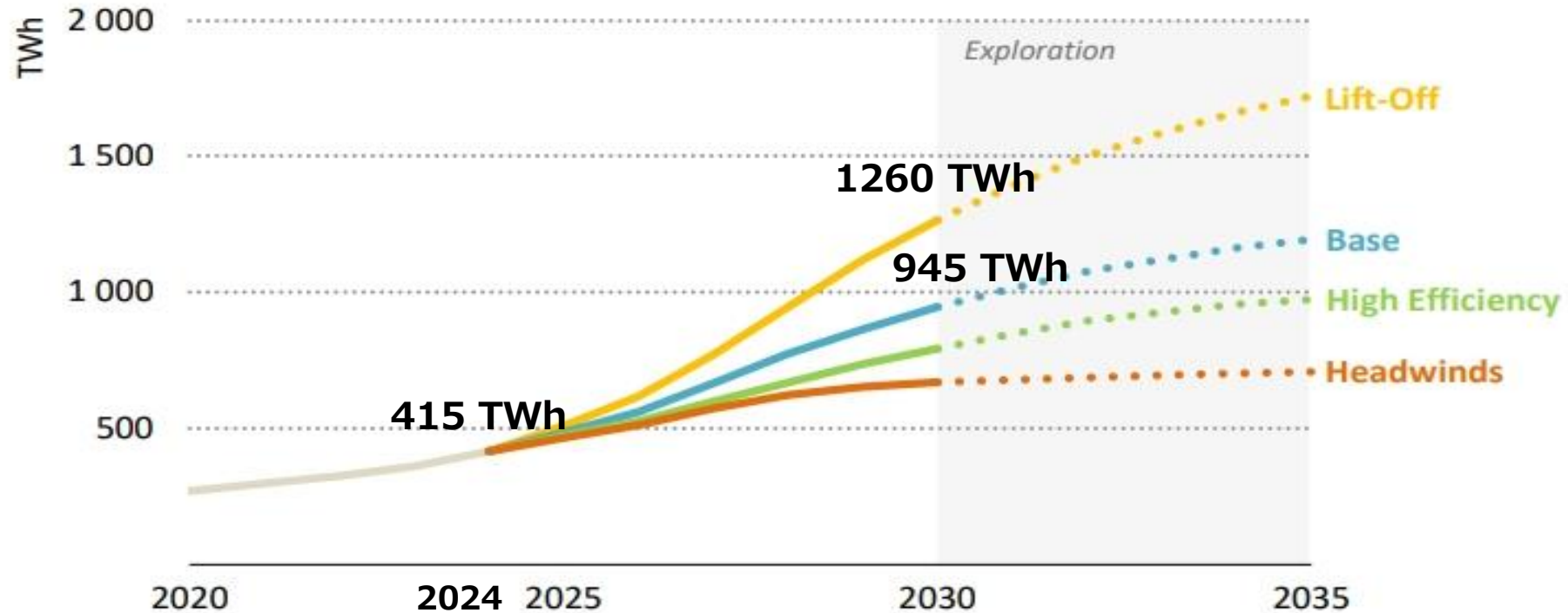
資料來源：DIGITIMES · 2025/10

伺服器日益增長的電力需求

Data center electricity demand will increase 530 ~ 845 TWh from 2024' to 2030'.

Or, 66~ 105 nuclear power plants. Or, USD 660 B ~ 1 T.

=> 1% energy saving ~ USD 10B



Global data center power consumption forecast by IEA (International Energy Agency)

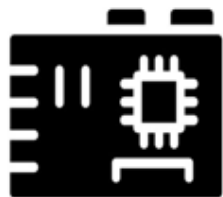
數位電源與馬達控制微控制器

節能與舒適，成就更好的工作與生活

Power : Digital Power Control MCU

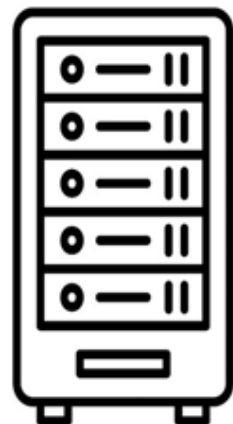


Server Power
(AC/DC)



Server Onboard
Power Supply
(DC/DC)

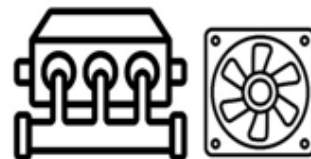
Server Rack



Cooling : Motor Controller



Air Cooling System
(Server FAN)



Liquid Cooling System
(Pump and Fan)

Inverter Controller



產品組合

Digital Power Control

Digital Power MCU

Server, Workstation



Server PSU
Workstation IBC
Workstation PSU

Motor Control

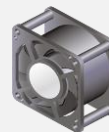
DC Fan MCU

Inverter MCU

Air Cooling, Liquid Cooling

Home appliance

Fan



Pump



Air con



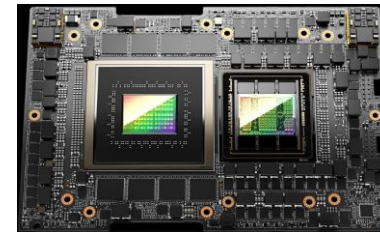
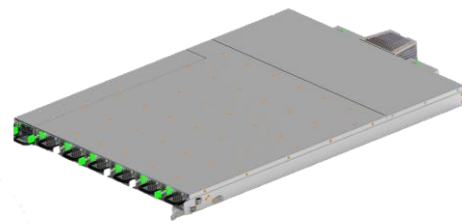
Washer



Fridge



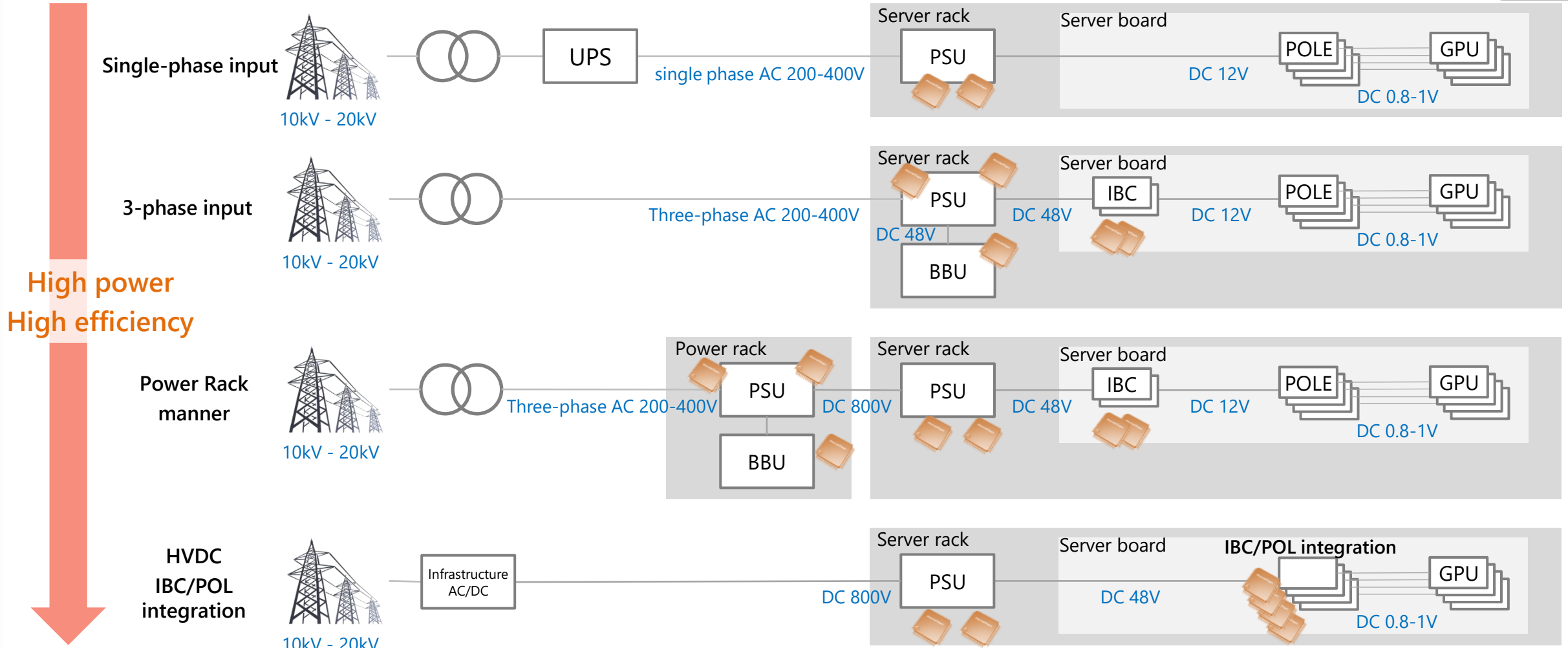
數位電源微控制器



不斷演進的電源架構推動Power Control MCU需求



Power Control MCUs

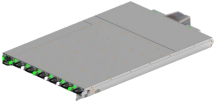


UPS : Uninterruptible Power Supply, PSU : Power Supply Unit

BBU : Battery Backup Unit, IBC : Intermediate Bus Converter, POL : Point Of Load, HVDC : High Voltage DC

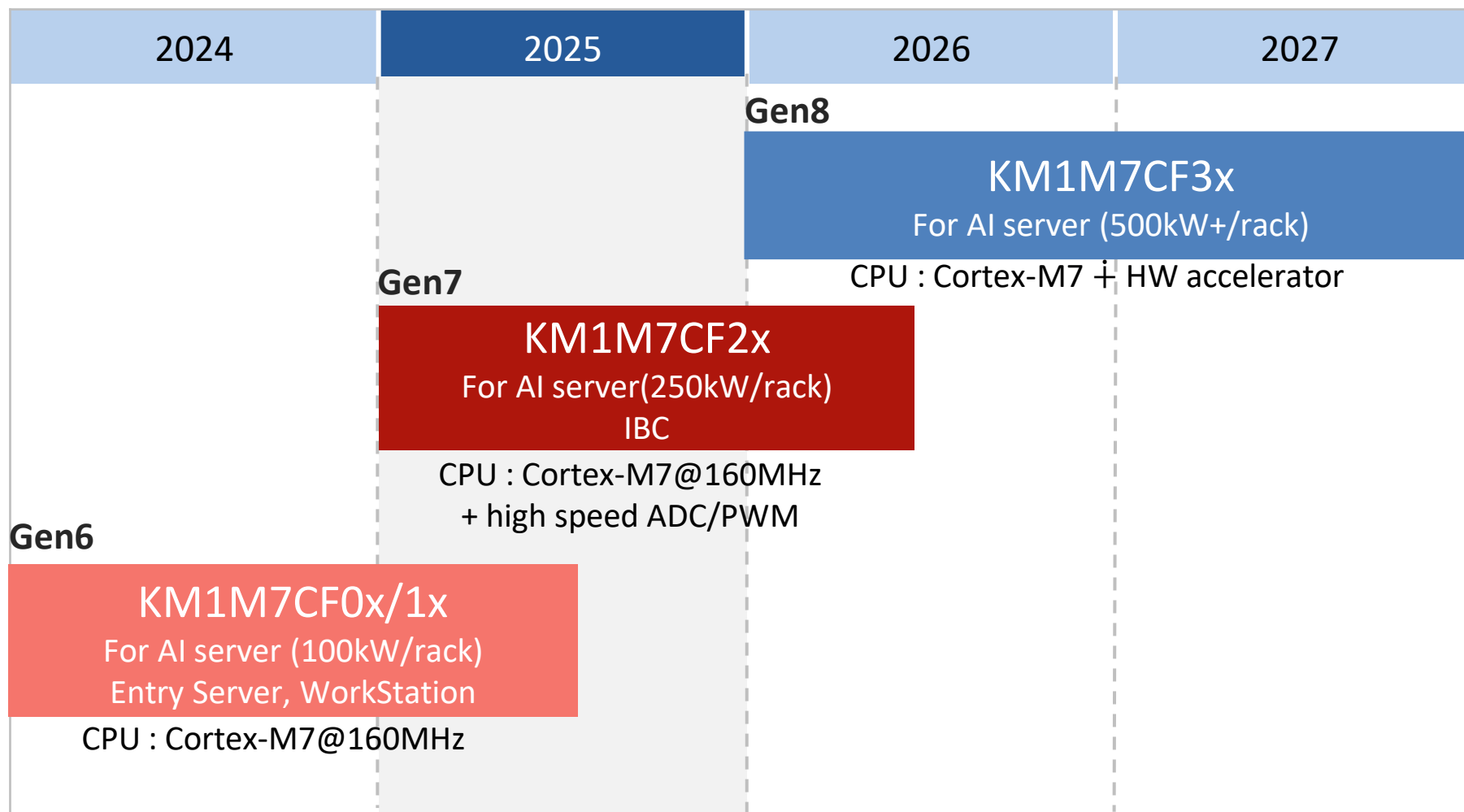


趨勢與需求

		Single-phase power supply			Three-phase power supply			HVDC
		2024	2025	2026	2027	2028	2029	2030
AI Server	Output power/Rack	GB200: 66~132kw	GB300 120~150kw	Vera Rubin:300kw Rubin Ultra 600kw			1MW	
 PSU	Output power/Unit	8kW	12kW	18kW			25kW	
	Topology	Totem pole PFC			Vienna Rectifier			
 IBC	IBC Unit/Rack	100unit	250unit	500unit			1kUnit	
	Power density	104W	138W/in ³	166W/in ³			200W/in ³	
 MCU	Processing Power	Single core MCU @ 100~200MHz			MCU(Dual) @100~400MHz or MCU + Accelerator			

數位電源微控制器產品藍圖

Increasing power control efficiency to meet the future trend of AI servers



直流風扇微控制器



AI Servers is driving overall market growth



Source: Fuji Keizai

High airflow fans are required to enhance GPU cooling performance

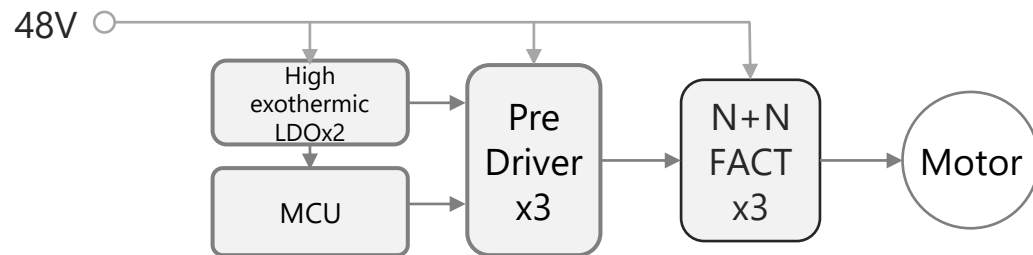
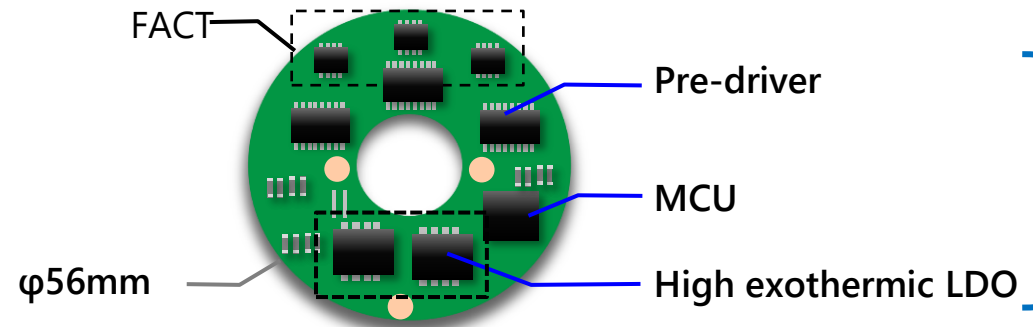
		2024	2025	2026	2027	2028	2029	2030	
Server 	Output power/Rack	100k	250kW			500kW		1MW	
	Cooling system					DLC (Direct Liquid cooling with cold plate)			
						Sidecar (Liquid cooling)			
					Rear door (Liquid cooling)				
		Air cooling							
Fan 	Airflow		10CFM			40CFM		80CFM	
	Power supply	12V			48V				
	Fan size	40/80mm			>172mm				
	Fan output	<200W			>200W				
	Rotation speed	<30krpm			60krpm				
IC 	High voltage	12V	48V						
	Current capability	200mA			1A				
	Control	Rectangular			FOC				
	Package	4 x 4mm							

業界首款 1U 伺服器相容型 48V 風扇控制器

1U: A unit that indicates the height of a rack-mounted server, 1U approx. 44.55mm

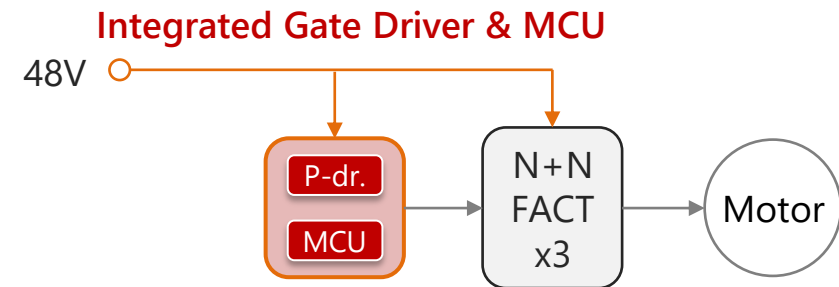
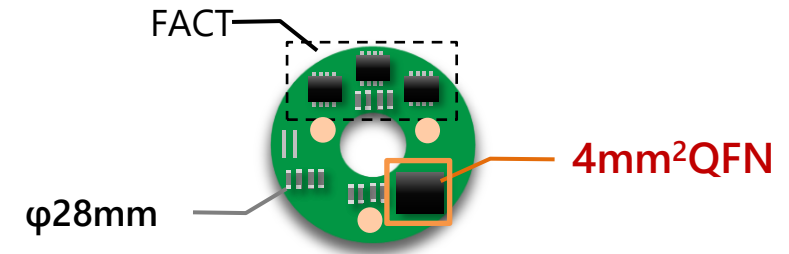
48V Fan Existing Configurations

■ PCB over 2U

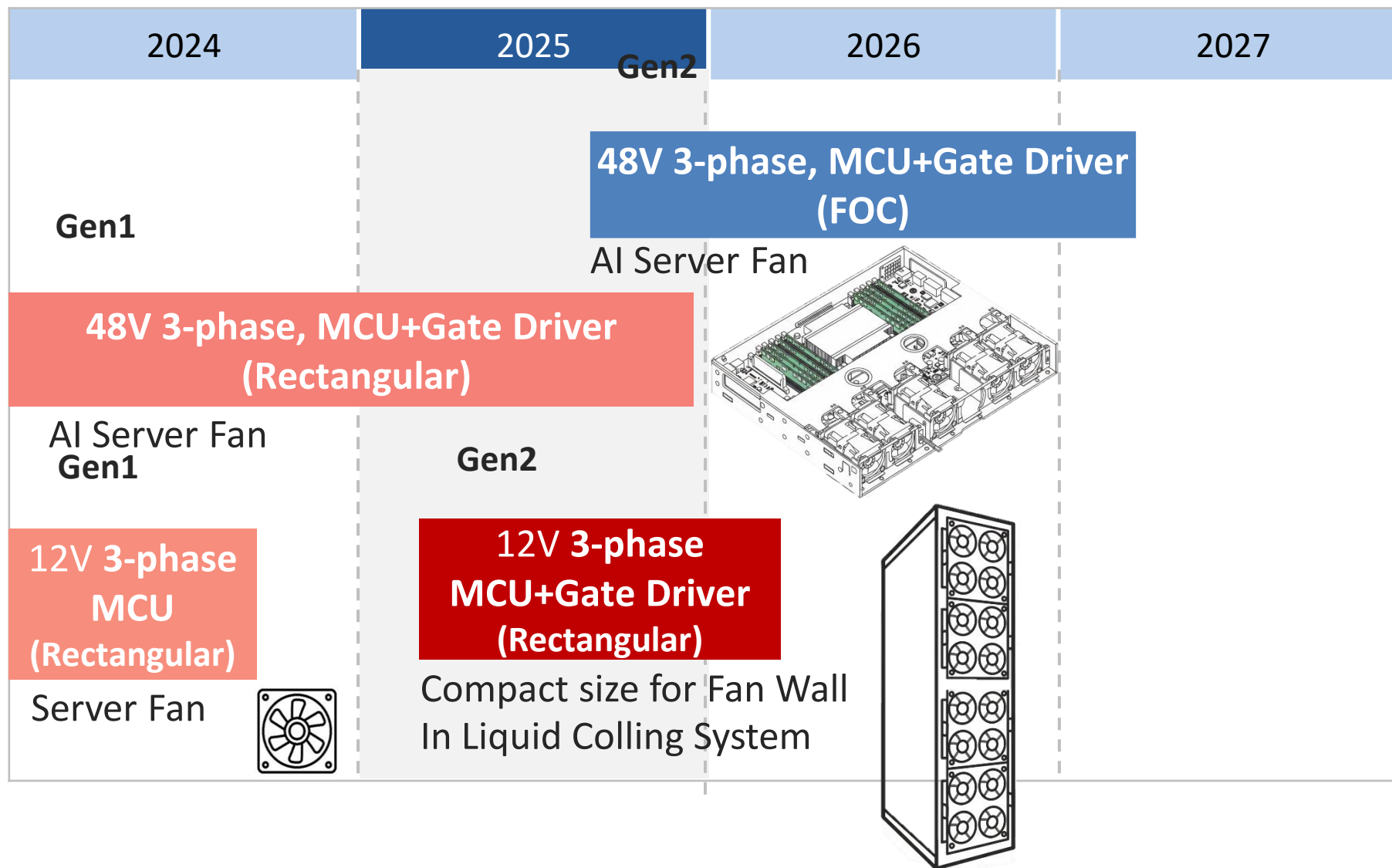


Nuvoton 48V Motor Controller

■ 1U PCB



直流風扇微控制器產品藍圖



家電用之inverter MCU

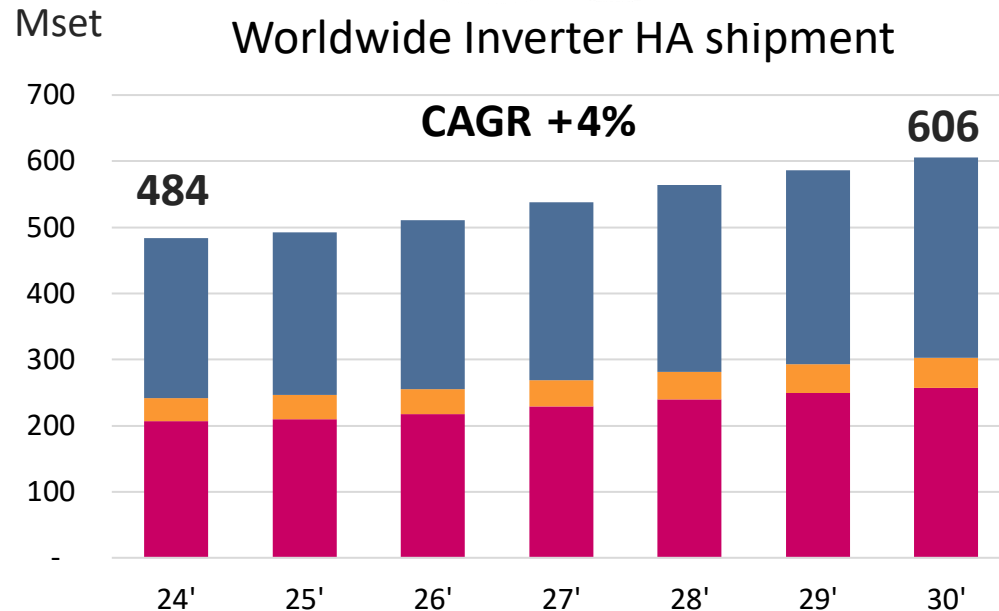


變頻家電市場成長趨勢穩定

HA Market trend

The sales growing steadily

- Air conditioner
- Washer
- Fridge



Source: Fuji Keizai

Trend and Needs

Innovation is essential to maintain competitiveness



Comfort

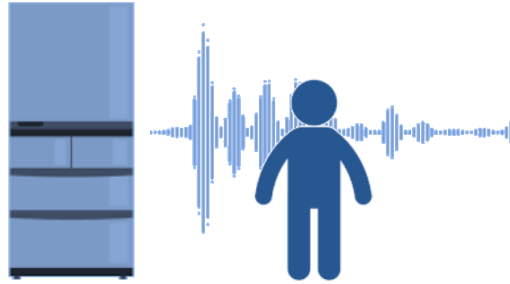


Energy
Efficiency

滿足使用者需求

Market
requirement

Comfort



Energy Efficiency



Our Solution

Suppress Vibration and Noise
by **AI model** embedded.

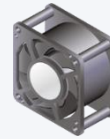
Reduce power consumption
during low load
by **high efficiency control**.

以AI進行震動與噪音抑制

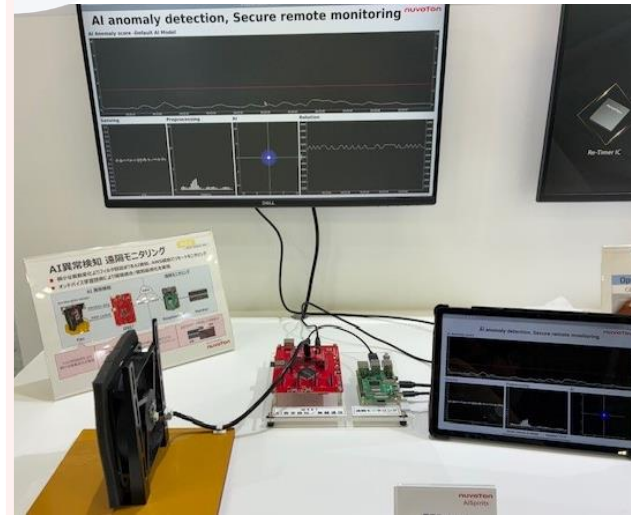
AI technology
embedded MCU



Nuvoton's case examples



Premonition detection
vibration by clogging.



Operation appliance
by voice and motion.



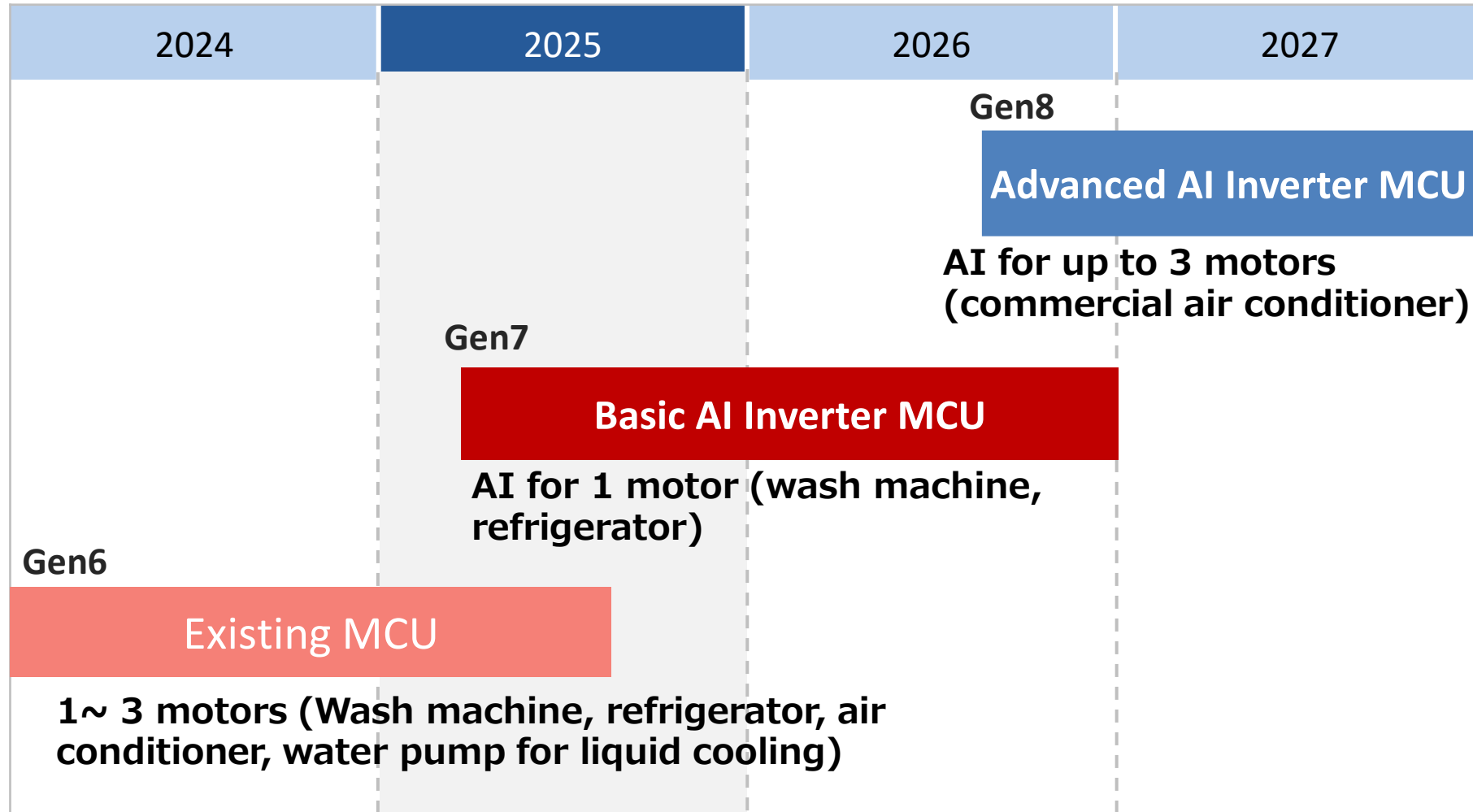
Data Collection

Data Analysis
(Feature Extraction)

AI Model
development

MCU
implementation

Inverter MCU產品藍圖



Questions & Answers