



# 2023 Q1 Conference Call

## Agenda:

- About RichWave Technology
- Business Performance by Segment
- Financial Report
- ESG Highlight

# About RichWave Technology

## Business Direction & Strategy

Growing Position in WiFi– WiFi7 and Beyond

+

Diversified Offering in IoT, Mobile, Automotive Applications

+

Mastering Multiple Diversified Technology

+

Best Partner and Excellent Customer Service

**Creating Long Term Value with Technology and Market Strategy**



**Founded**  
Jan. 2004



**Listed in TSE**  
Nov. 2015



**2022 IC shipment**  
0.94BN pcs



**Product**  
270+

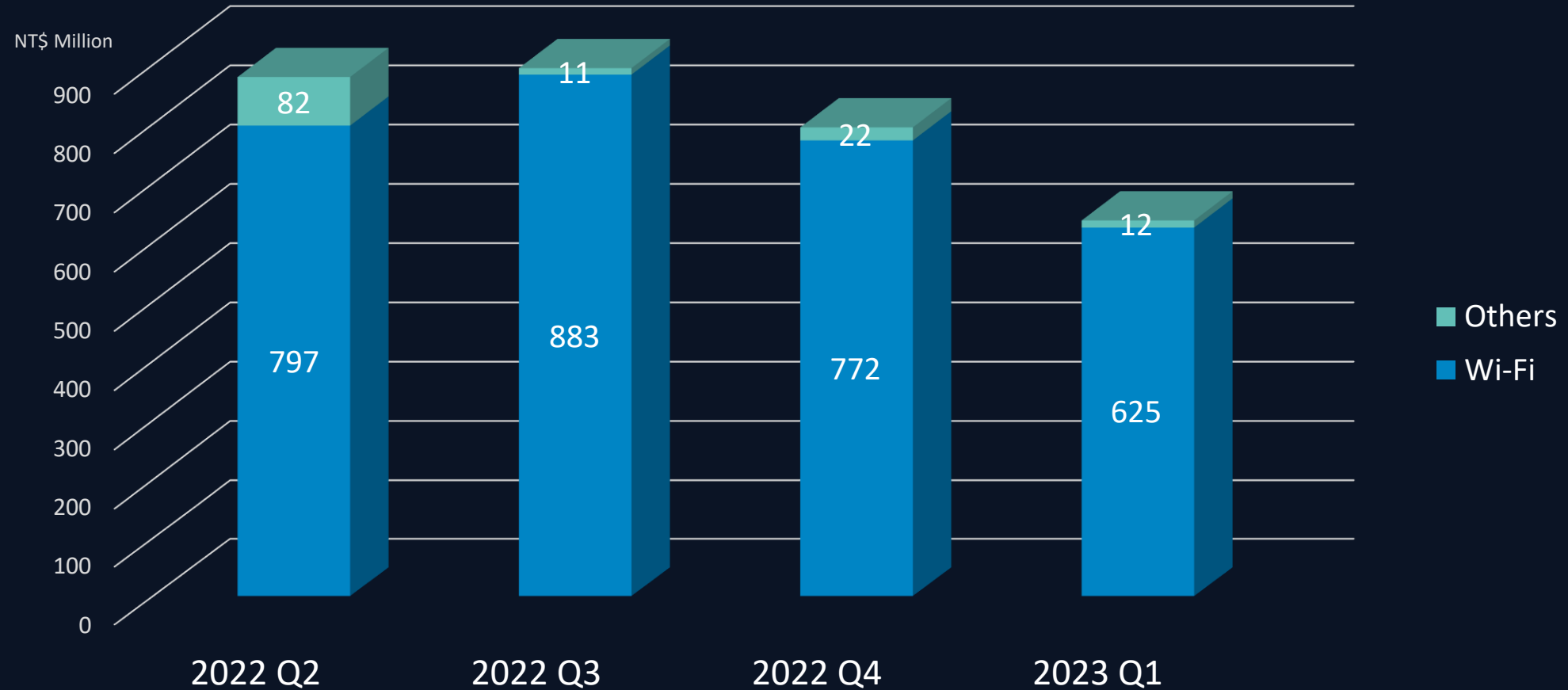


**Granted patent**  
530

## Worldwide Company Site

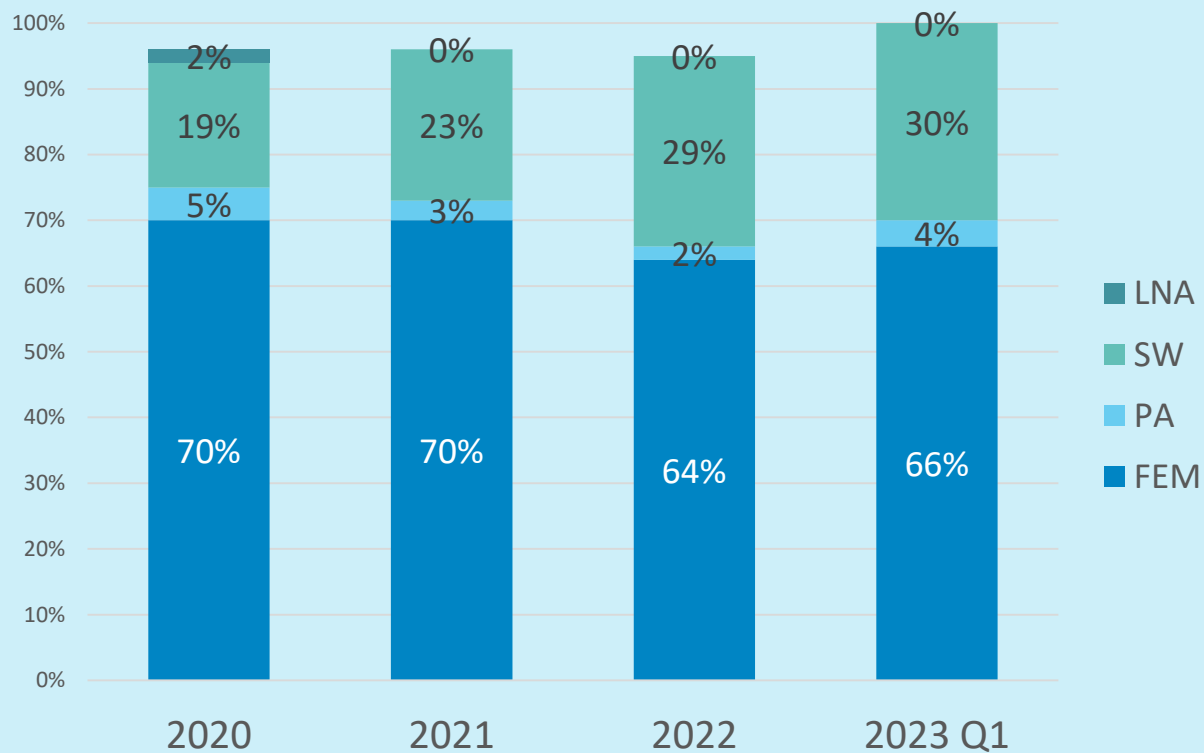


# Revenue-by Segment



# Position in High Performance FEM and 3rd Parties' Platform

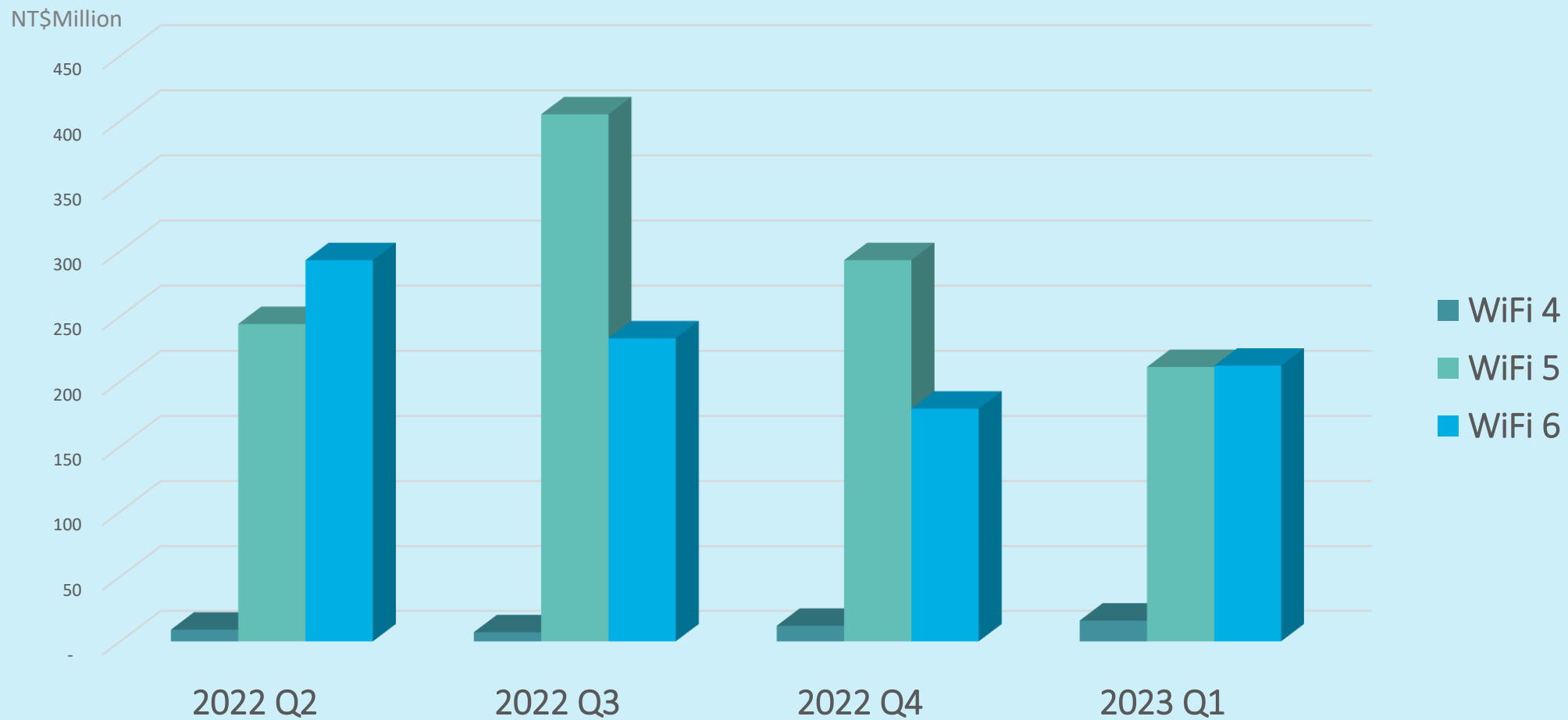
Position in High Performance FEM market



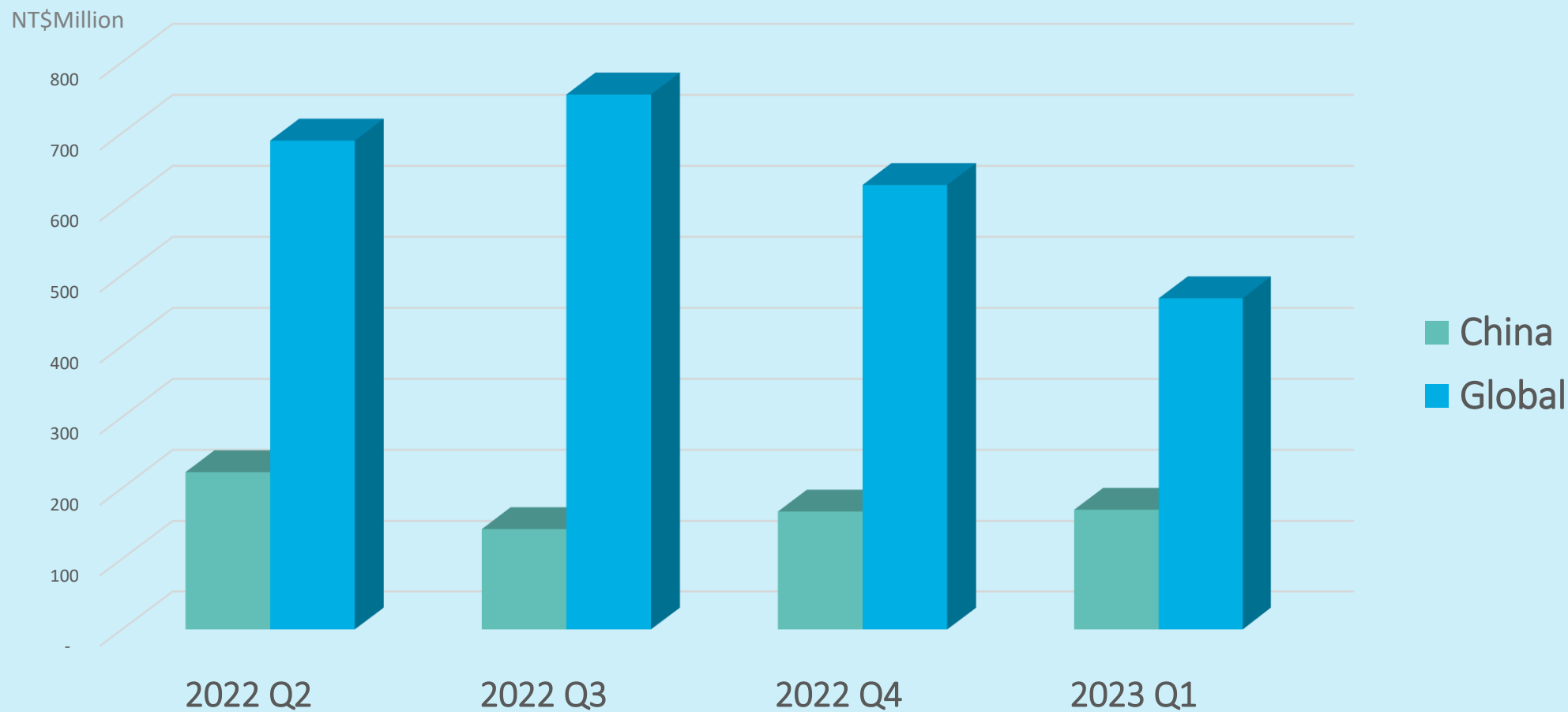
Qualified by main chip platforms



# Wi-Fi Revenue by Protocol



# Wi-Fi Revenue by Region



# Wi-Fi

- Growing global business and customer base.
- Technology position in broadband trend and WiFi7.
- Expanding filter product line: Design in EU operators + branding networking providers.



802.11n



802.11ac



802.11ax



802.11ax



802.11be



PA



LNA



SW



FEM



FILTER



# Mobile

- Expanding smartphone product line.
- Smartphone Wi-Fi6 FEM shipping continues.
- Smartphone WiFi6E FEM design in new customer.



FEM



LNA



SW

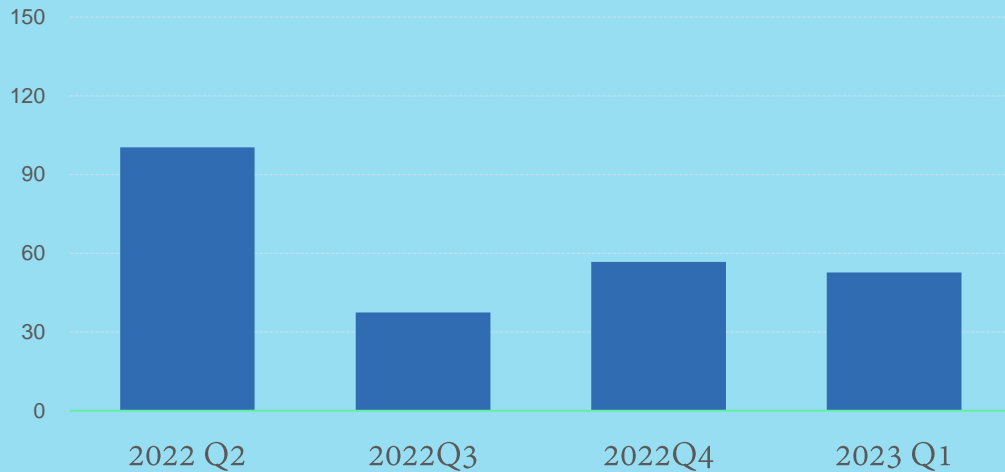


Filter



## MOBILE PRODUCT REVENUE

NT\$Million



## MOBILE PRODUCT

### Wi-Fi

- Rx-FEM
- Full-FEM
- Switch
- Diplexer
- filter

### 4G/5G

- Tuner/SRS/LTE SW, GPS filter/diplexer, LTE Tx/Rx filter, GPS LNA/FEM, LTE LNA

### FM

- Broadcasting
- FM Tuner

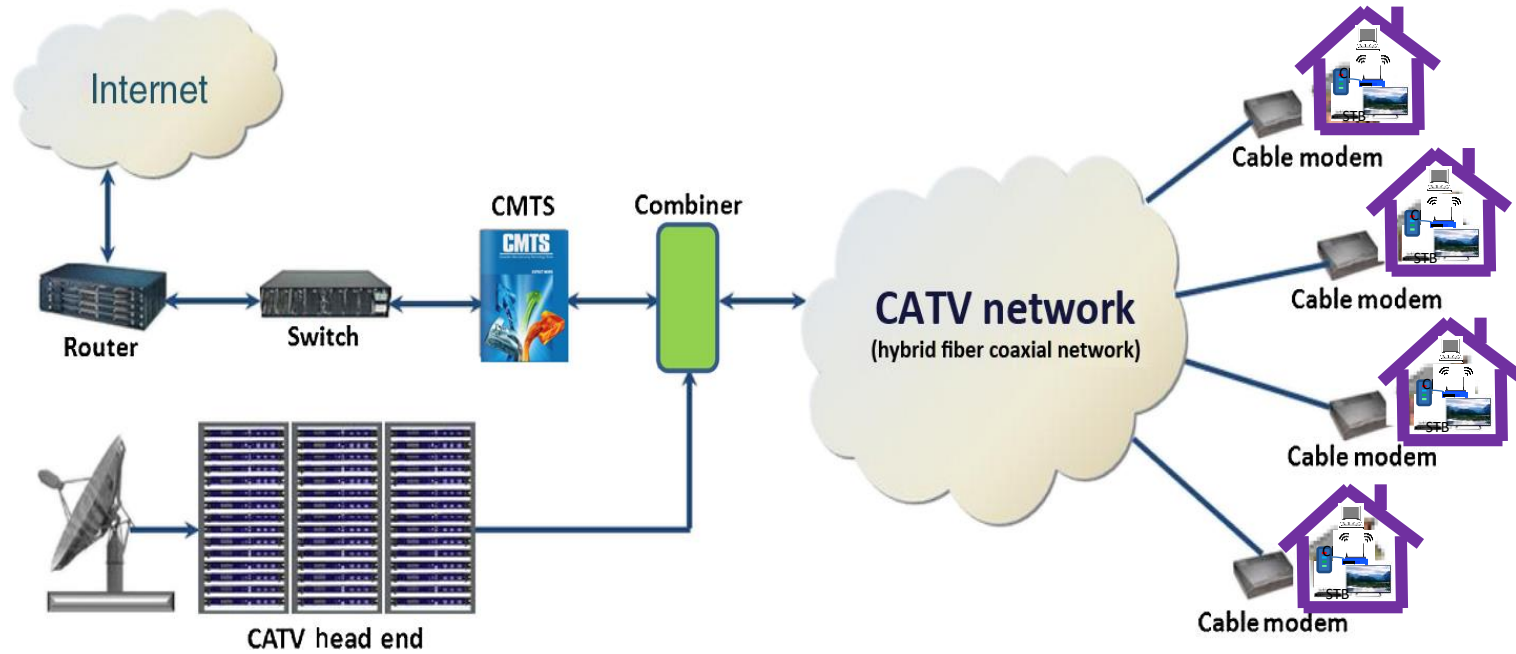
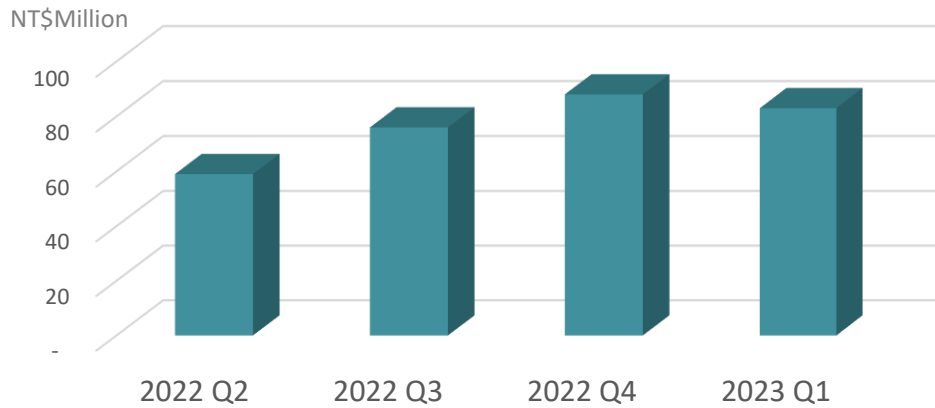




# Cable Switch

- Continue to win cable/DOCSIS switches in cable modems with US/EU operators.
- Cable switch market share increases.

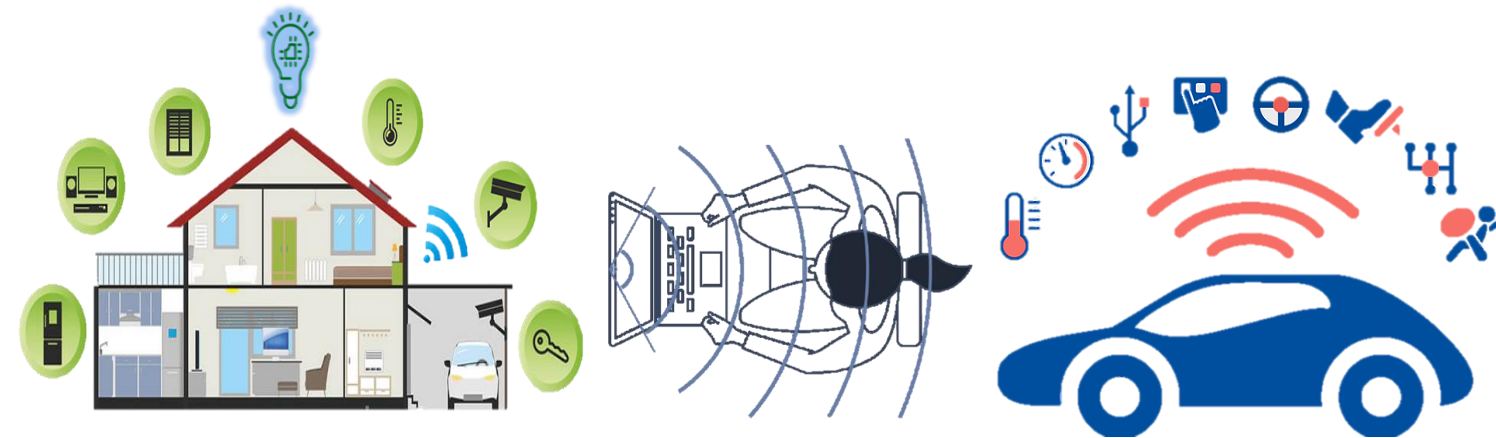
Cable switch Revenue



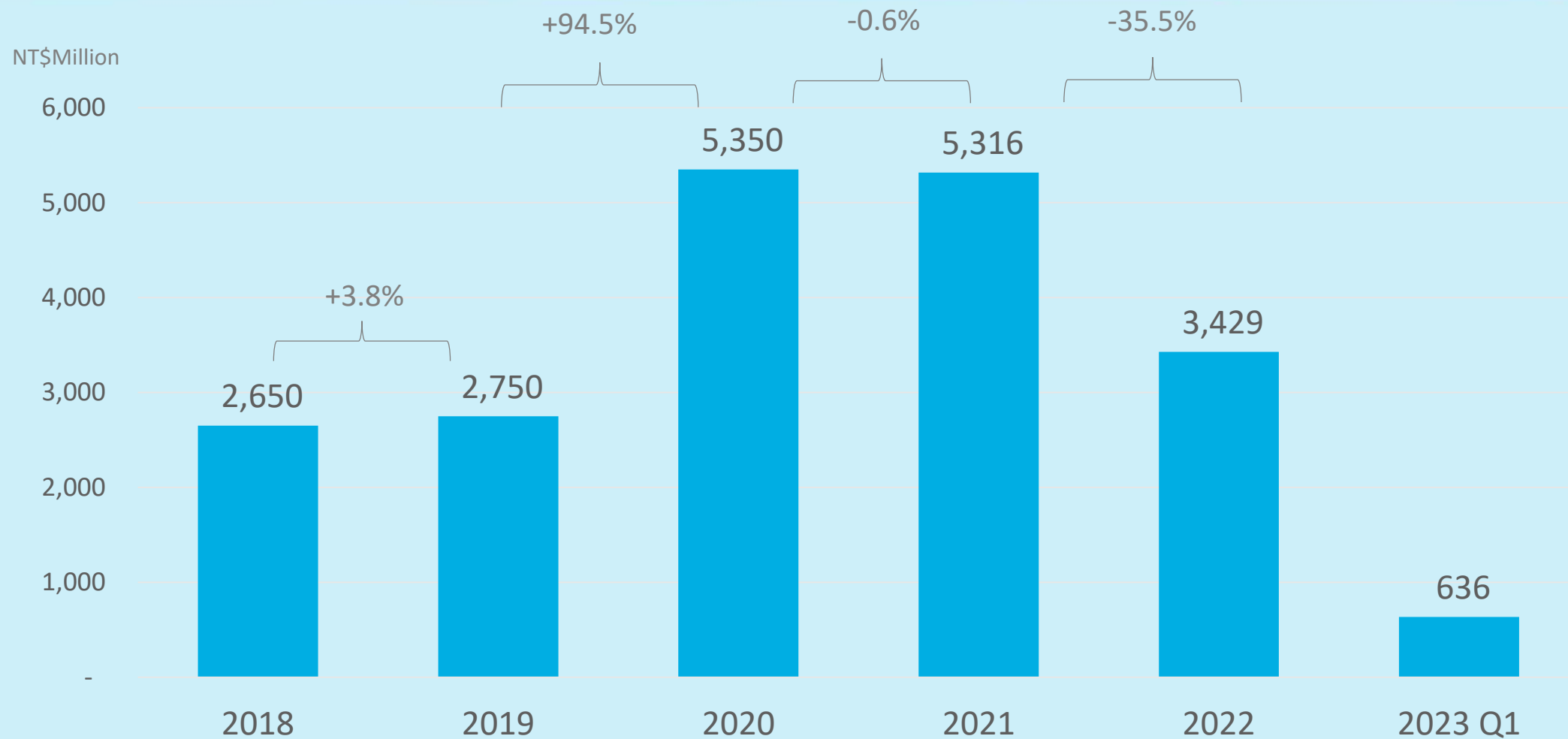
# Radar Sensor

To See Beyond Your Vision

- Shipment for 5.8GHz radar sensor used in smart lighting, e-lock and car security continues.
- 10GHz radar sensor solution expands to smarter appliances application, including air conditioner & TV
- In-design with millimeter wave radar.



# 2018-2023Q1 Net Sales



# 2018-2023Q1 P&L

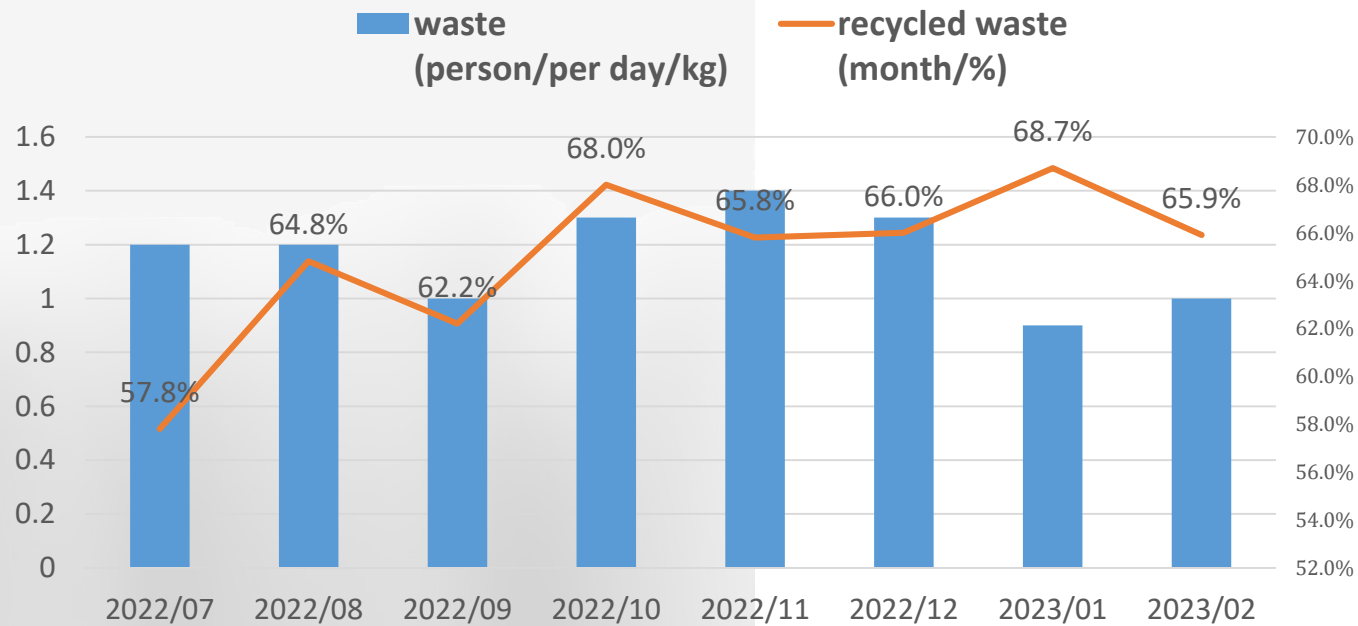
NT\$ Thousand	2018		2019		2020		2021		2022		2023 Q1	
	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%
Net Revenue	2,650,169	100%	2,749,555	100%	5,350,200	100%	5,316,267	100%	3,429,371	100%	636,974	100%
Operating Cost	1,785,052	67%	1,764,877	64%	3,451,573	65%	3,770,235	71%	2,370,781	69%	480,130	75%
Gross Profit	865,117	33%	984,678	36%	1,898,627	35%	1,546,032	29%	1,058,590	31%	156,844	25%
Operating Expense	663,948	25%	741,444	27%	890,675	17%	1,012,424	19%	1,075,795	31%	268,004	42%
Operating Profit	201,169	8%	243,234	9%	1,007,952	19%	533,608	10%	-17,205	-1%	-111,160	-17%
Non-Operating income/expense	12,934	0%	511	0%	9,155	0%	-6,702	0%	78,494	2%	280	0%
Profit before Tax	214,103	8%	243,745	9%	1,017,107	19%	526,906	10%	61,289	2%	-110,880	-17%
Income Tax Expense	36,918	1%	53,008	2%	150,891	3%	61,389	1%	6,230	0%	21,948	3%
Net Profit	177,185	6.7%	190,737	6.9%	866,216	16.2%	465,517	8.8%	55,059	1.6%	-88,932	-14.0%
EPS	2.93		3.13		9.90		5.26		0.62		-0.99	

# ESG Highlight-GHG reduction

- Office waste reduction and recycling performance surpassed authority guideline
- Converted all office light to LED
- Planted 100 trees and reduced 1,000kg of carbon emission per year



## Office Waste Disposal Achievement





- Certified of 14064-1:2018 Greenhouse Gas Verification Statement by Alfano International Co.
- Certificate of ISO 14001 : 2015 Environmental Management Systems by Alfano International Co.





# Thank you

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