



# 2024 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**



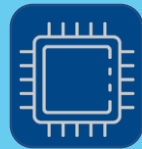
Founded

Jan. 2004



Listed in TSE

Nov. 2015



Product

270+



WW Granted Patent

628



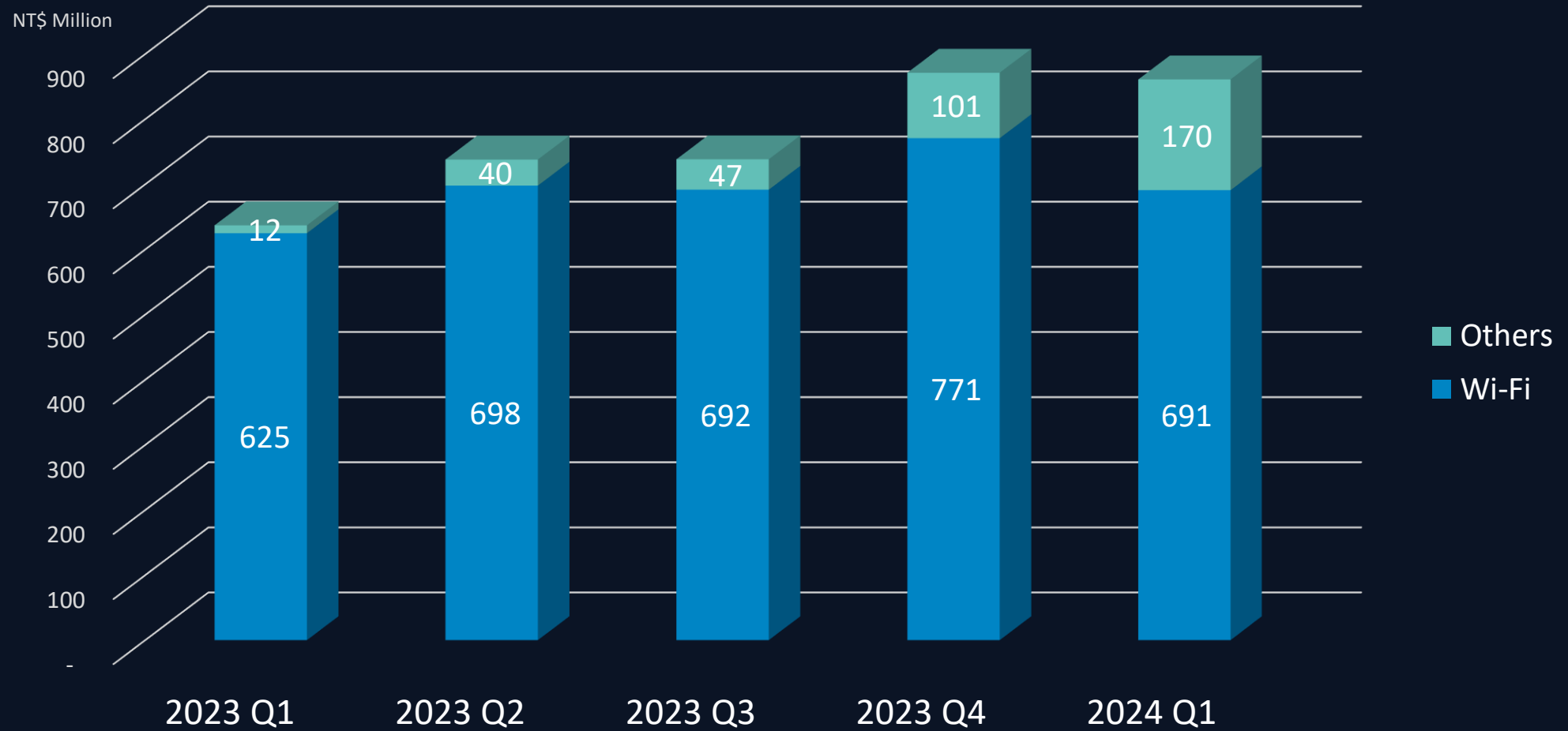
IP Ranking

72

## Worldwide Company Site



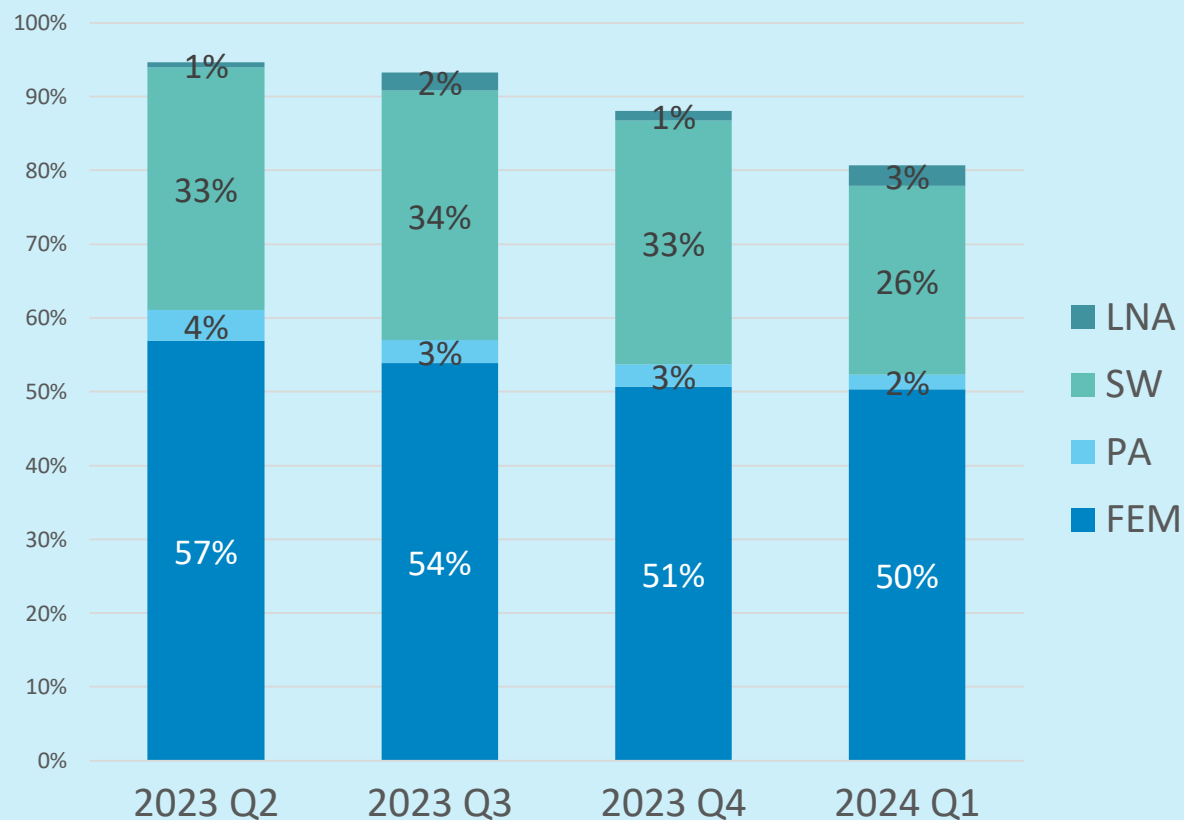
# Revenue-by Segment





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

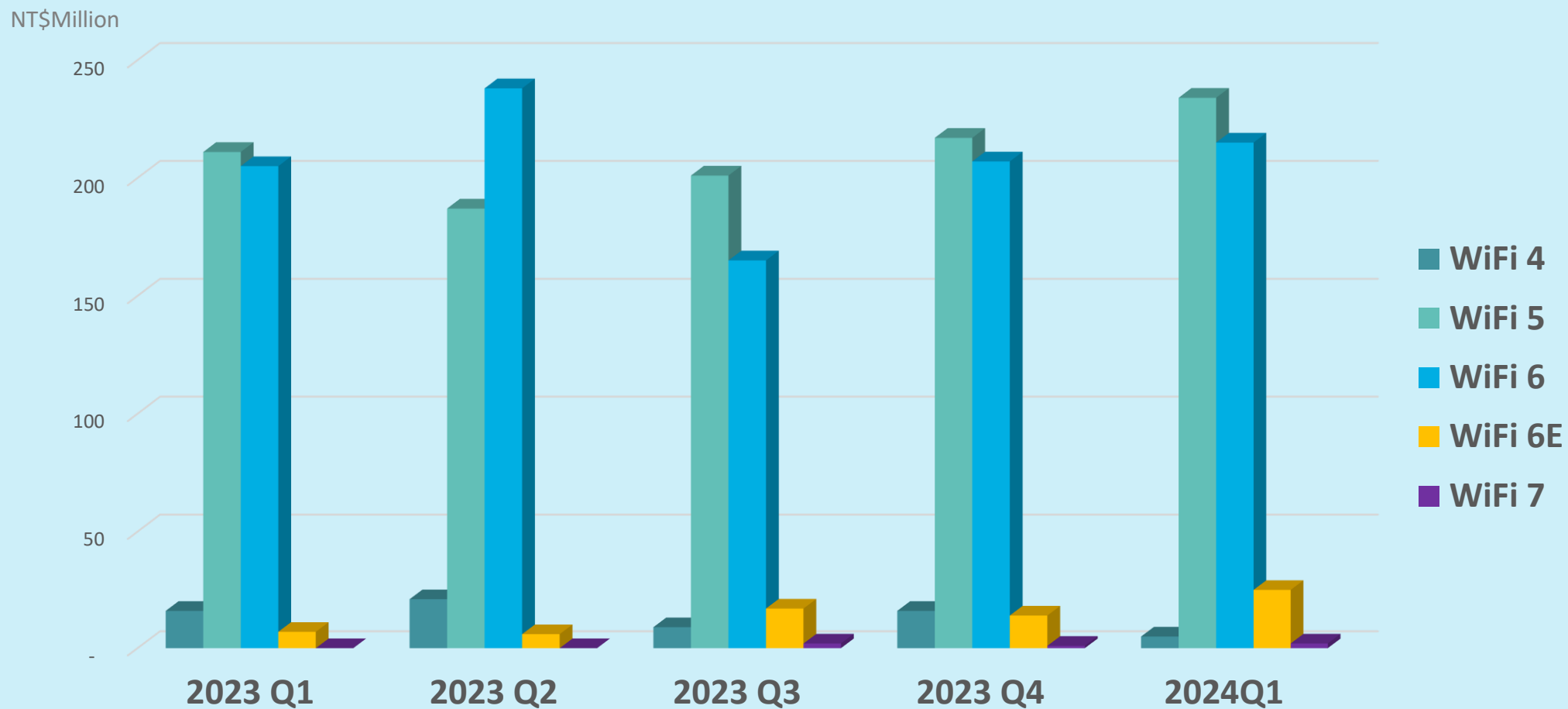
Position in High Performance FEM market



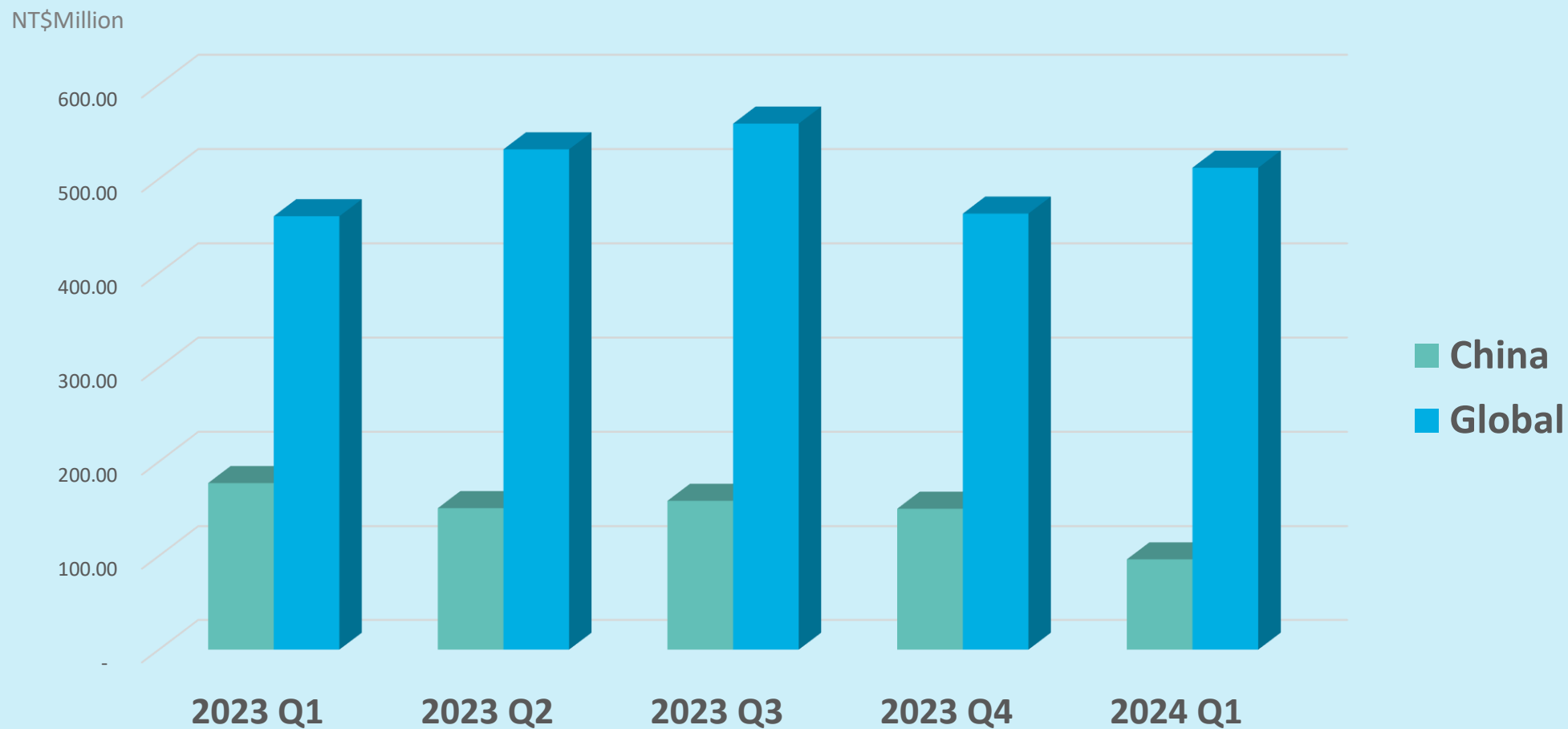
Qualified by main chip platforms



# Wi-Fi FEM 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.
- STB Wi-Fi 6E FEM in US market.



802.11ax



802.11be





# Mobile

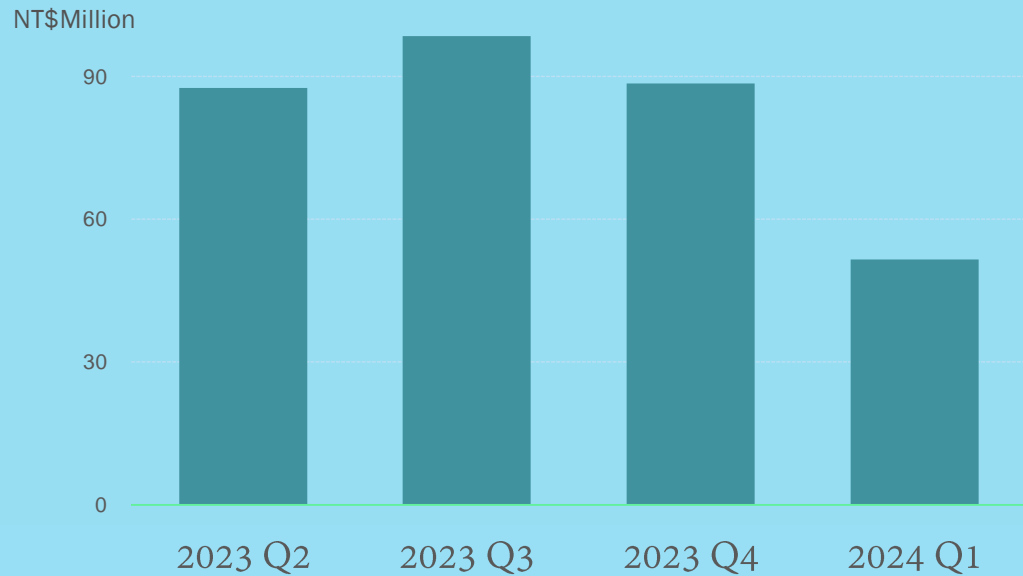
- Expanding smartphone product line.
- Smartphone Wi-Fi6 FEM shipping continues.
- Smartphone WiFi6E FEM design in new customer.



- FEM
- LNA
- SW
- Filter



## MOBILE PRODUCT REVENUE



## 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





# Automotive

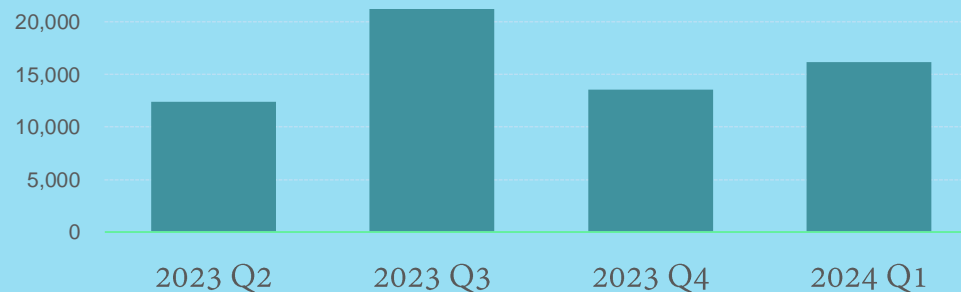
Make Your Life Smarter

- Automotive parts follow S-QA-012 and AEC-Q100
- Continues to ship to worldwide customers.



## AUTOMOTIVE PRODUCT REVENUE

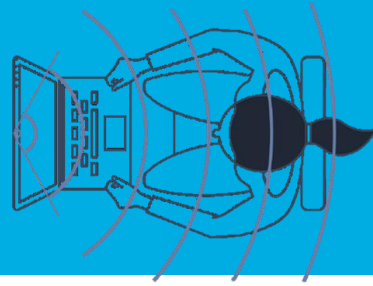
NT\$Thousand



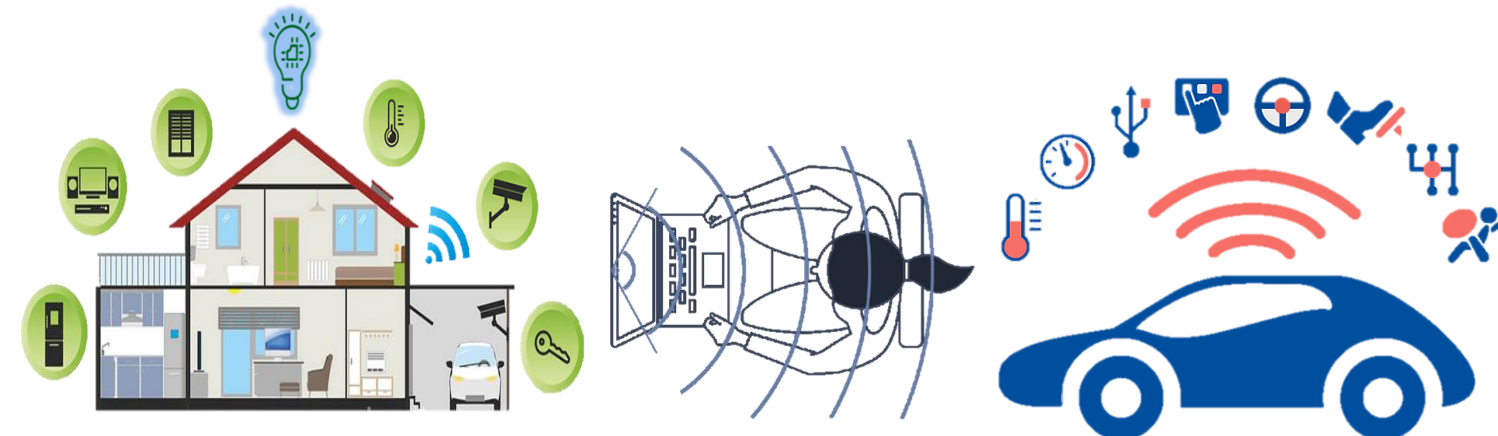


# Radar Sensor

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
- 60GHz radar sensor entered sampling stage.
- In-design with millimeter wave radar.





# 2023Q1~2024Q1 P&L

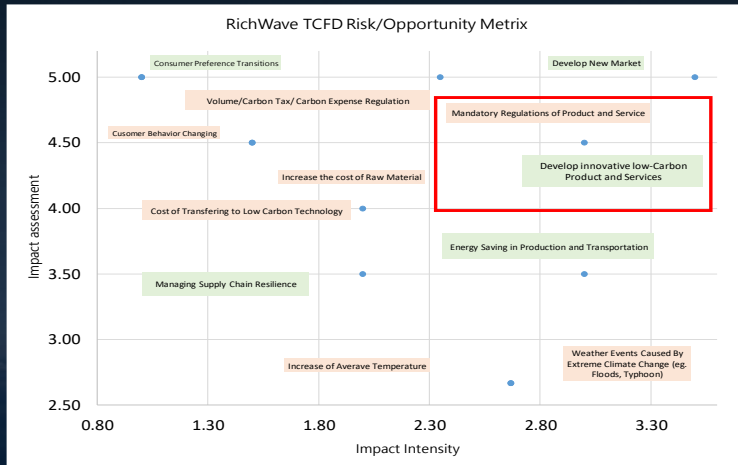
	2023 Q1		2023 Q2		2023 Q3		2023 Q4		2024 Q1		QoQ	YoY
	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	%	%
NT\$ Thousand												
Net Revenue	636,974	100%	737,954	100%	738,381	100%	871,272	100%	860,735	100%	-1%	35%
Operating Cost	480,130	75%	559,909	76%	547,267	74%	595,185	68%	581,852	68%	-2%	21%
Gross Profit	156,844	25%	178,045	24%	191,114	26%	276,087	32%	278,883	32%	1%	78%
Operating Expense	268,004	42%	272,367	37%	276,396	37%	282,802	32%	278,541	32%	-2%	4%
Operating Profit	-111,160	-17%	-94,322	-13%	-85,282	-12%	-6,715	-1%	342	0.04%	105%	100%
Non-Op. Profits(Loss)	279	0.04%	24,186	3.3%	30,275	4%	-35,393	-4%	34,610	4%	198%	12305%
Profit before Tax	-110,881	-17%	-70,136	-10%	-55,007	-7%	-42,108	-5%	34,952	4%	183%	132%
Income Tax Expense (Benefit)	-21,948	3%	-15,678	2%	-10,001	1%	-8,215	-1%	7,189	1%	188%	133%
Net Income after Tax	-88,933	-14%	-54,458	-7%	-45,006	-6%	-33,893	-4%	27,763	3%	182%	131%
EPS	-0.99		-0.60		-0.50		-0.37		0.31			



# ESG Highlight



## Climate Change Response



【Implement TCFD Project】

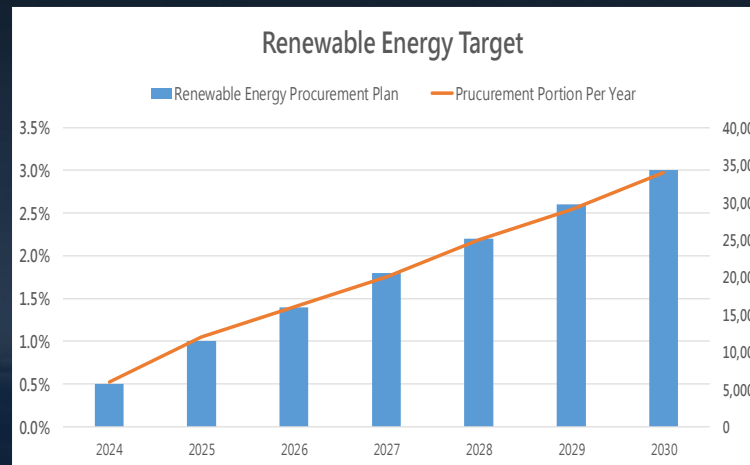
### Opportunity

- Expanding RFFE Market including continuously investing in new technologies, and extension of Radar sensors for smart home applications.
- Developing innovative products and services that meet the needs of energy saving and carbon reduction.

### Risk Management

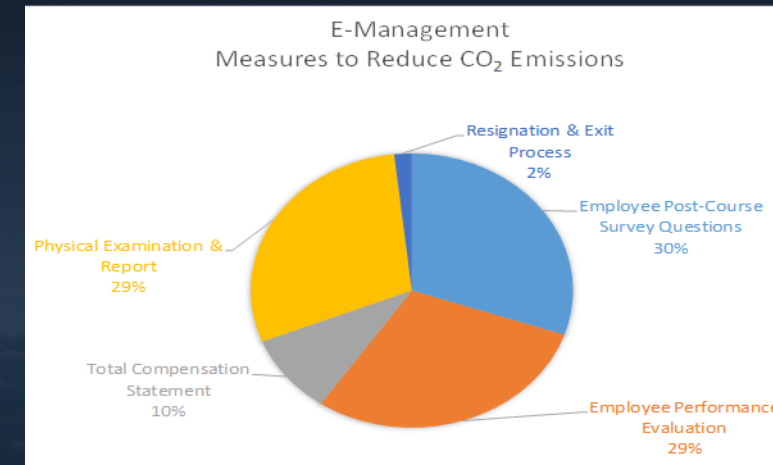
- Legal & Regulation Compliance
  - ✓ Apply for more ISO certificate of International Environmental Management System.
  - ✓ Extra expense and increased cost due to comply with law or net-zero carbon deployment.

## Renewable Energy Action Plan



- In response to “Taiwan net-zero carbon emissions until 2050” policy and plan for utilization of renewable energy.
- Adapting to renewable energy use since Q2, 2024, the target is to reach 3% of the total electricity consumption of the parent company by 2030, and the cumulative use of renewable energy will reach 142,000kWh by 2025.

## Reduce Carbon Emissions



- Employee post-course survey questions
- Employee performance evaluation
- Total compensation statement
- Physical examination & report
- Resignation & exit process

# Disclaimer

---



This document may contain forward-looking statements, including but not limited to all statements that address activities, events or developments that the Company expects or anticipates to take place in the future based on the projections of the Company toward the future, and various factors and uncertainty beyond the Company's control. Therefore, the actual results may differ materially from those contained in the forward-looking statements.

Some factors may cause actual results materially different from the information provided herein. These factors are: the impact of competition on product and pricing, timely acceptance of products design by our customers, timely introduction of new technologies, ability to ramp new products into volume, industry's shifts in supply and demand for semiconductor products, market oversupply or shortage, availability of supply chain capacity, financial stability in end markets, potential difficulties in talents retention, unexpected costs and expenses, loss of significant customers, involvement in legal or administrative proceedings, new regulations that may impact our business operation, fluctuations in foreign exchange rates, global economic conditions or non-economic conditions and any other risks factors.



# Thank you

---

Follow us on:  

For more information, visit us at:

[www.richwave.com.tw](http://www.richwave.com.tw)