
Nan Ya Plastics
Year 2021
Operations & Performance

APR. 2022



Agenda

- **Overview**
- **Financial Highlights**
- **Capacity Expansion Plan**
- **Q & A**

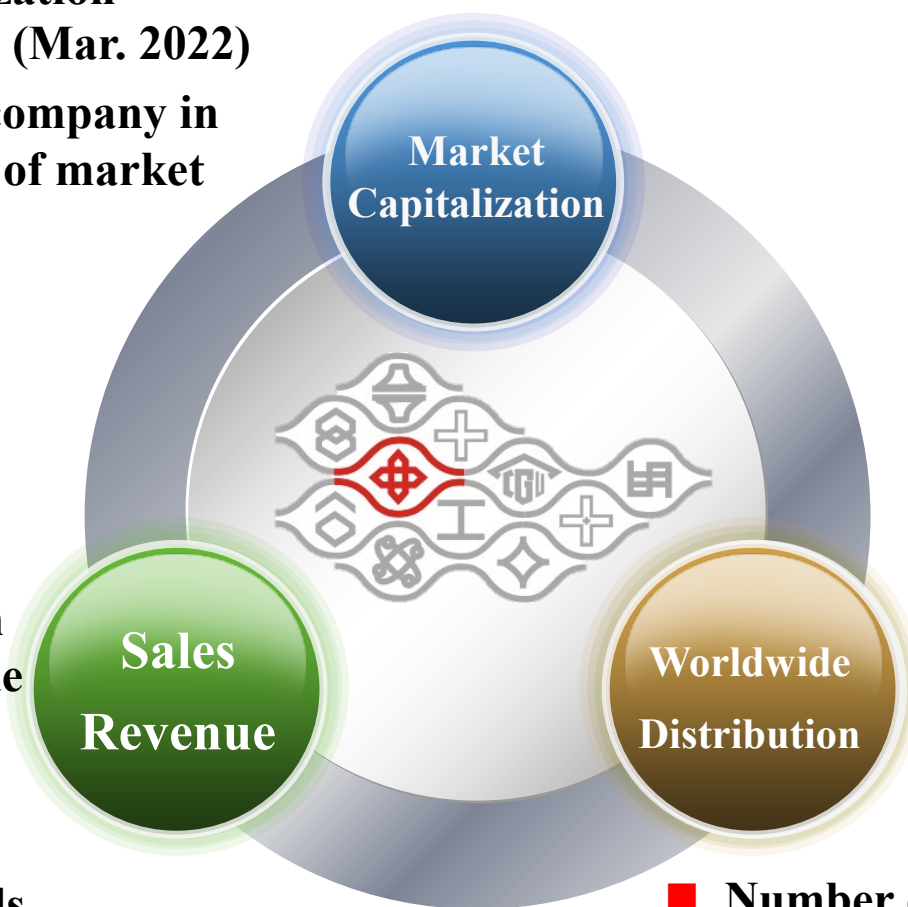


Overview

Highlights

- **Market Capitalization**
NT\$ 739.2billion (Mar. 2022)
- **The 8th largest company in Taiwan in terms of market capitalization**

- **NT\$ 411.7 billion (Y2021, not include Nanya Tech. Co.)**
- **Sales breakdown**
 - 12% in plastics
 - 29% in chemicals
 - 44% in electronics
 - 14% in polyesters



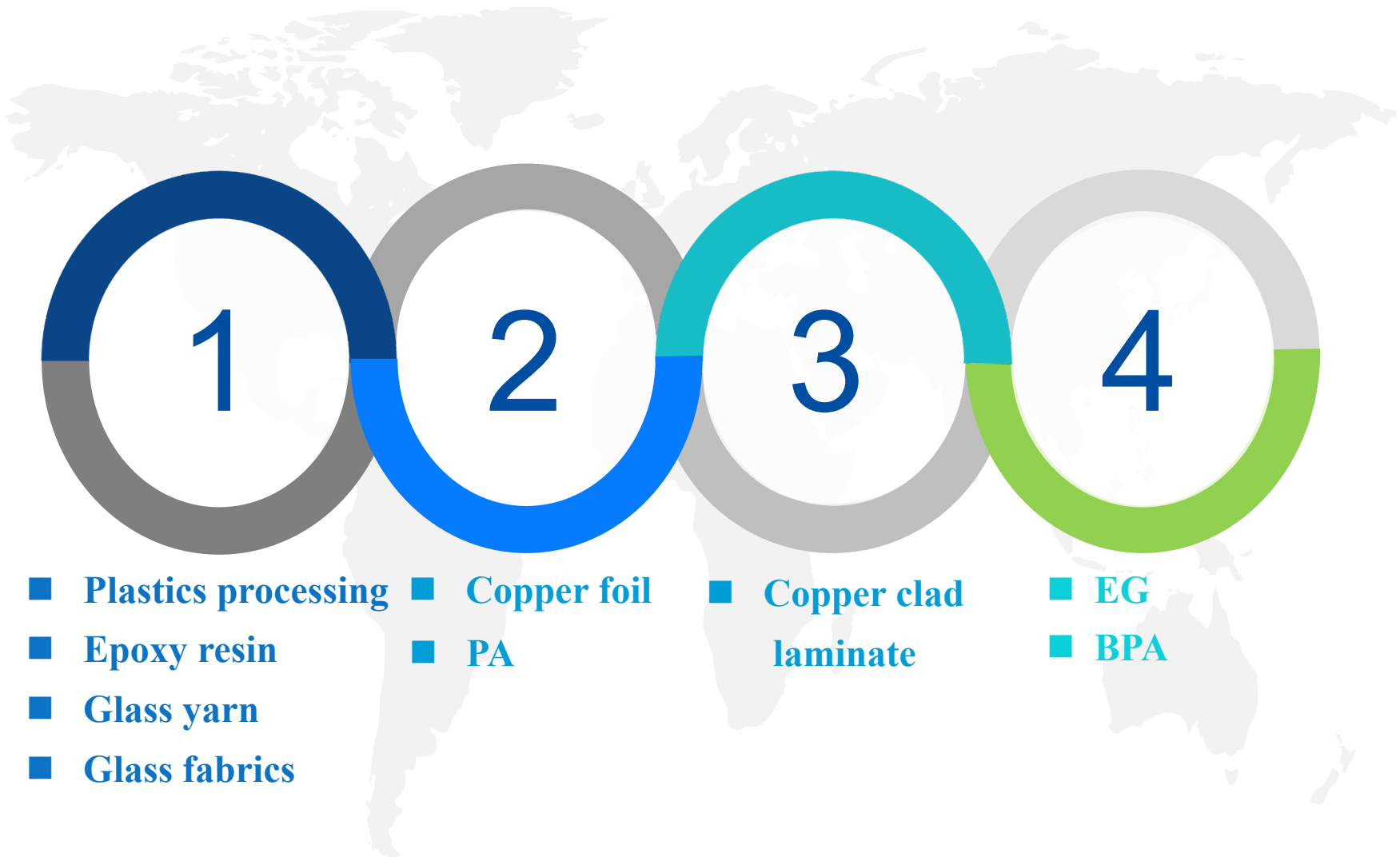
- **Total number of Plants 102**
 - 59 in Taiwan
 - 36 in China
 - 7 in US

- **Number of Employees 32,812**
(The number of Plants and Employees includes the consolidated financial reporting company)



Overview

Leading market positions for capacity



※Plasticizer products ranked 5th
Polyester products ranked 11th



Overview

History



Plastics Processing

1958



Nan Ya USA
& America Co.

- Texas
- Louisiana
- South Carolina

1979



Nanya Tech Co.

1995



Chemicals

1999

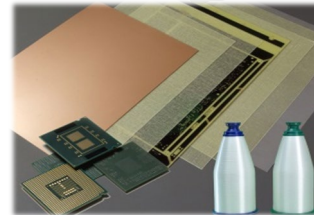
Polyesters

1969



Electronics
& Nan Ya PCB Co.

1986



Investing in
China

1994



- Xiamen
- Guangzhou
- Nantong
- Huizhou
- Kunshan
- Ningbo



Overview

Major Businesses

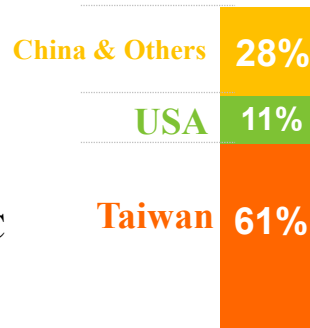
Sales breakdown in 2021



Plastics

12%

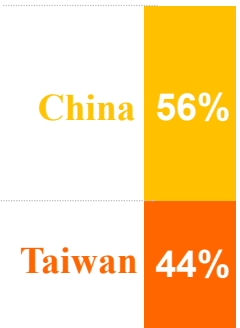
PVC Sheeting, PVC Rigid Film, PU Leather, PVC Rigid Pipe & Fittings, Window & Door Frames, Films, Engineering and PVC Compounds, PP Synthetic Paper



Electronics

44%

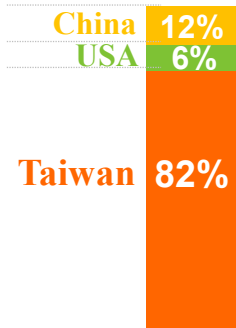
Glass Yarn, Glass Fabrics, Epoxy Resin, Copper Foil, Copper Clad Laminate, Printed Circuit Board



Chemicals

29%

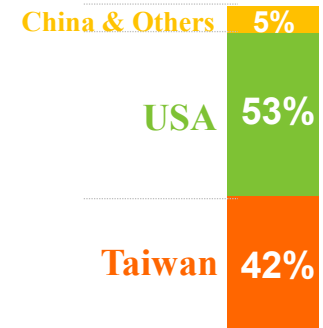
EG, BPA, 1,4BG, Plasticizer, PA, 2EH, INA, MA



Polyesters

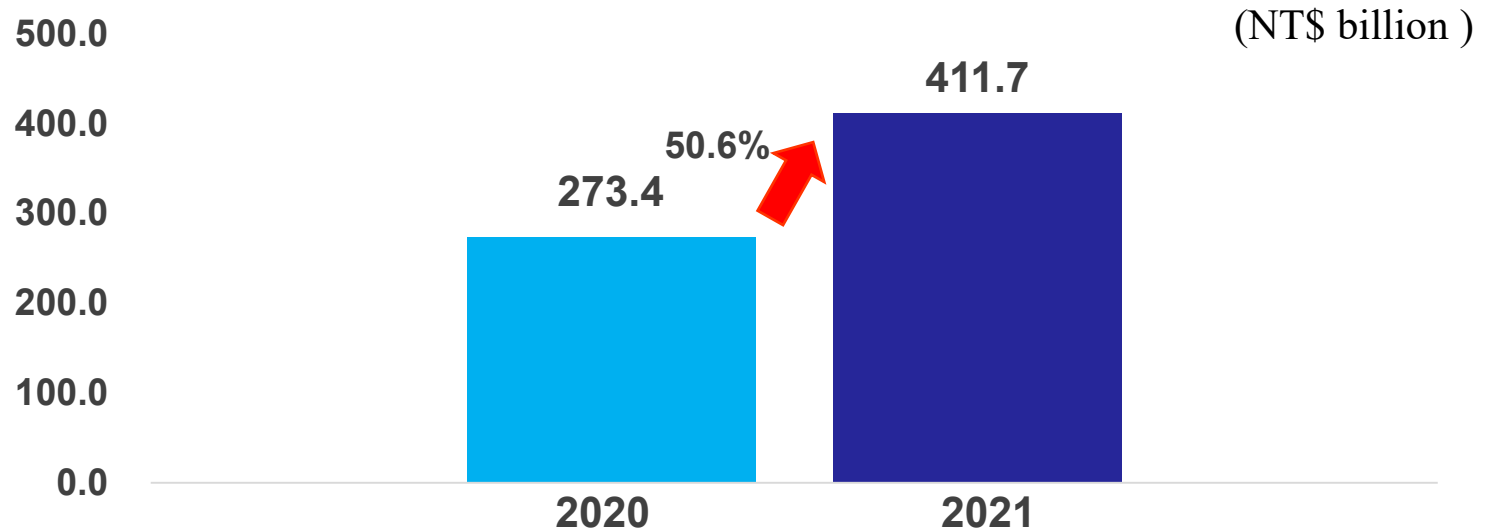
14%

Polyester Staple Fiber, PET Resin, Filament, PET Film



Financial Highlights

Annual Consolidated Revenue (IFRS)



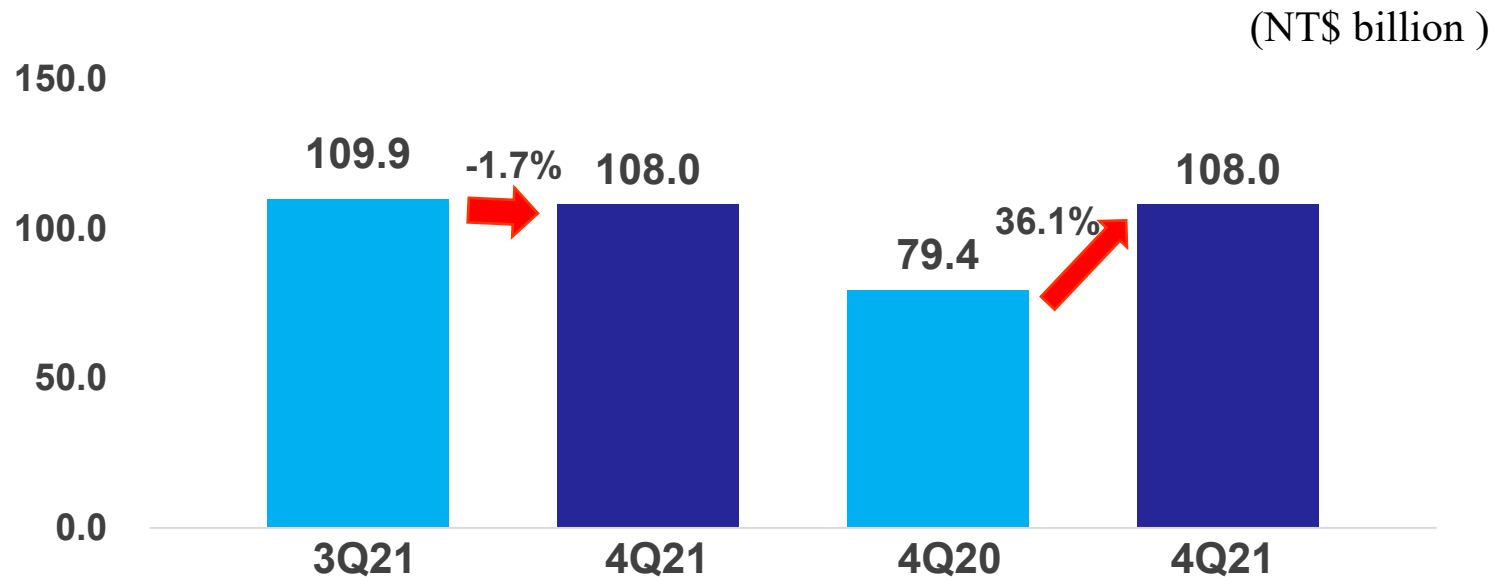
■ Revenue in 2021 increased 50.6% due to:

1. Since the global adaptability to the Covid-19 pandemic improved in 2021, the prosperity of various industries had rebounded strongly. The rapid development of electronic applications increased a substantial demand for related products. Climate and shipping factors also impacted the supply chain, increasing product prices.
2. The rapid expansion of demand for electric vehicles, various AI products and the new production capacities such as the Copper foil and ABF substrates plant causing the increase in revenue of electronic materials product. Coupled with the significant increase in global consumption and the completion of the EG-2 plant expansion in Texas, the revenue of various chemical products grew significantly



Financial Highlights

Consolidated Revenue by Quarter (IFRS)



- **Revenue in 2021 4Q decreased 1.7% QoQ due to:**

Mainly resulted from the decline in the price of raw materials for electronic materials products, leading to the reduction in the selling price in corresponding, the revenue slightly reduced. Sales from other products remained even.

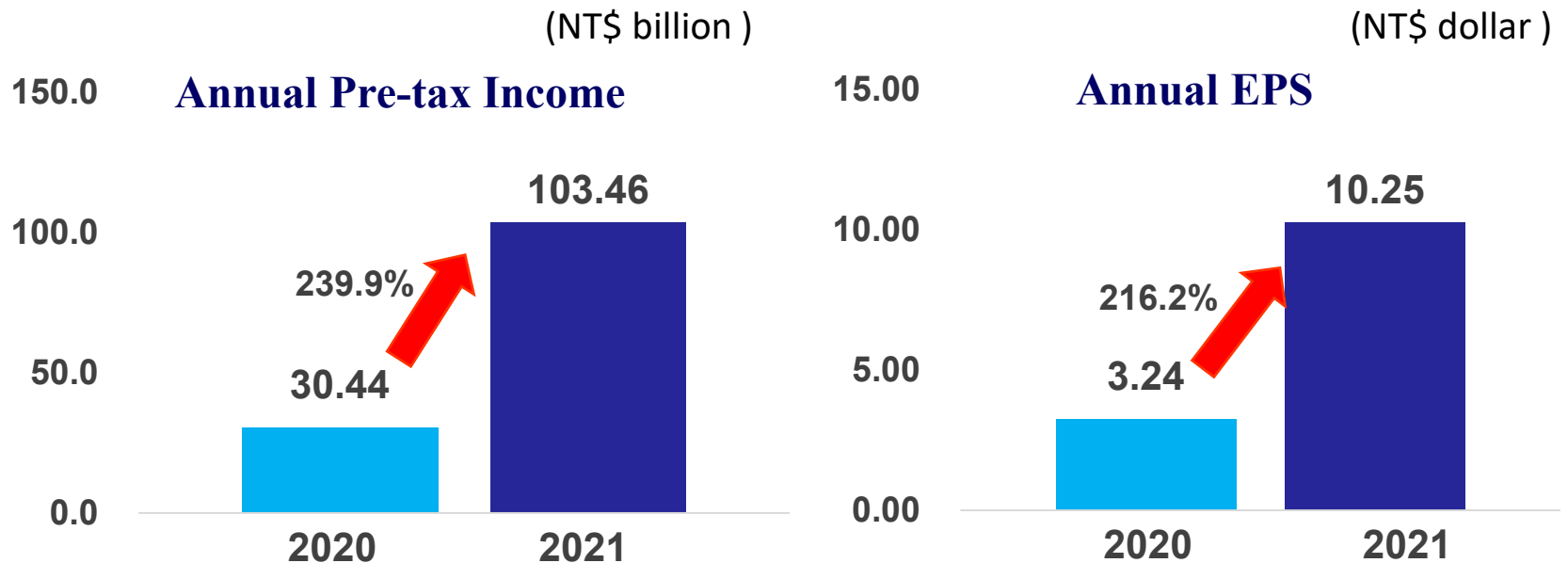
- **Revenue in 2021 4Q increased 36.1% YoY due to:**

Due to the continued strong demand of electronic materials products and the completion of the EG-2 plant expansion in Texas at the end of 2020, volume of EG increased relatively, adding up the increase in price, pushed up the overall revenue.



Financial Highlights

Annual Pre-tax Income and EPS (IFRS)



■ **Pre-tax income in 2021 increased 239.9% due to :**

1. Operating profit increased NT\$59.8bn mainly due to the significant growth in profit of electronic materials product and chemical product.
2. Equity income increased NT\$14.1bn YoY :
(1) FPCC +NT\$9.7bn (2) Nanya Tech +NT\$4.4bn

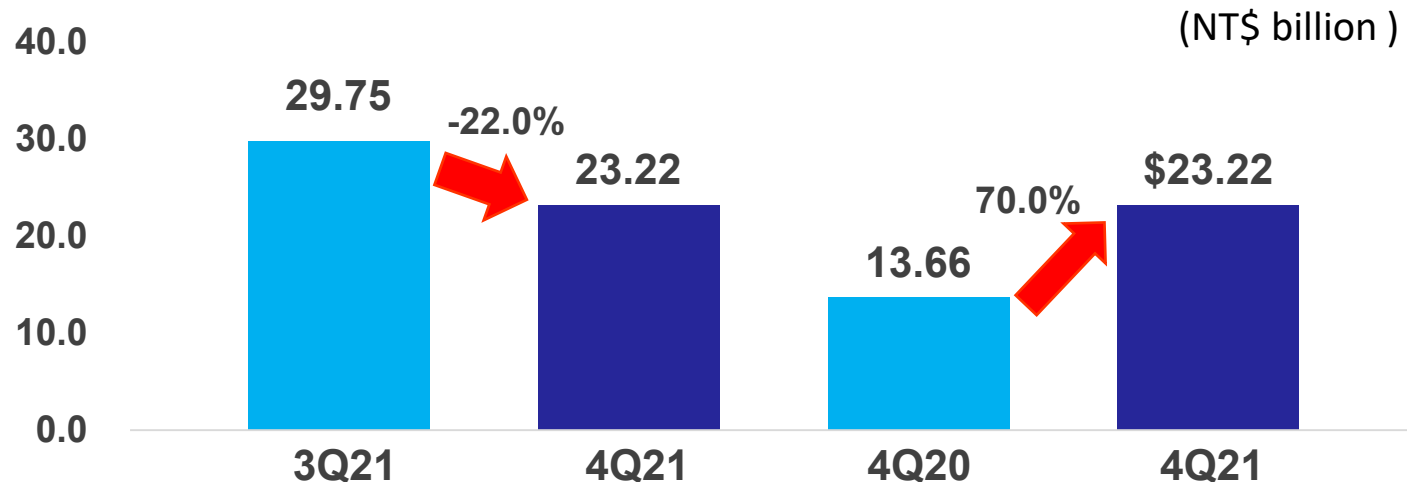
■ **EPS in 2021 increased 216.2% due to :**

In 2021, the consolidated pre-tax profit was NT\$103.5 billion, and the consolidated net income attributed to shareholders of the parent company was NT\$81.3 billion. The EPS was NT\$10.25, an increase of NT\$7.01 compared with 2020, setting a new record for the company.



Financial Highlights

Pre-tax Income by Quarter (IFRS)



■ **2021 4Q pre-tax income decreased 22.0% QoQ due to :**

1. Operating profit decreased NT\$3.5bn mainly due the supply of chemical product increased, the price fell relatively, leading the profit decreased.
2. Equity income decreased NT\$1.6bn QoQ :
 - (1) FPCC -NT\$0.6bn
 - (2) Formosa Olefins, L.L.C -NT\$0.4bn
 - (3) Nanya Tech -NT\$0.3bn

■ **2021 4Q pre-tax income increased 70.0 % YoY due to :**

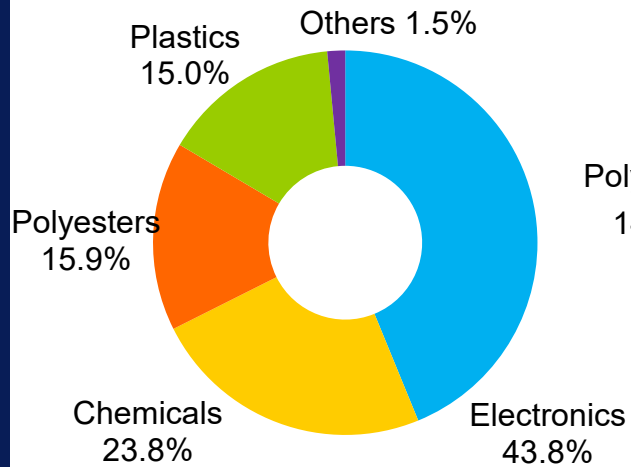
1. Operating profit significantly increased by NT\$8.6bn mainly due to growth in profit of electronic material products and chemical products.
2. Equity income increased NT\$0.6bn YoY :
 - (1) FPCC -NT\$0.6bn
 - (2) Nanya Tech +NT\$1.6bn



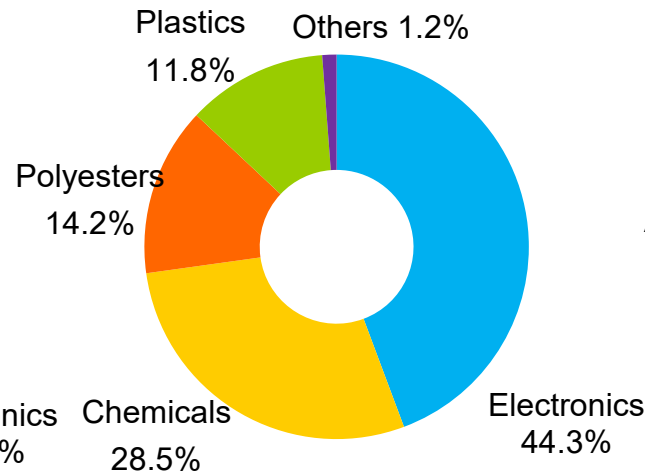
Financial Highlights

Revenue Breakdown (Annual)

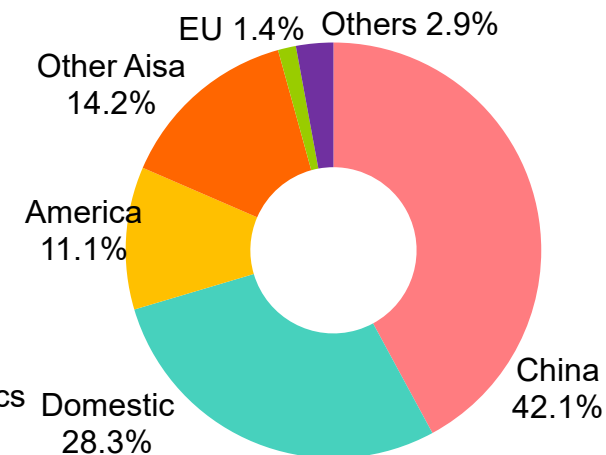
2020 Net Sales
NT\$ 273.4 billion



2021 Net Sales
NT\$ 4,11.7 billion



2021 Sales Breakdown by Geography



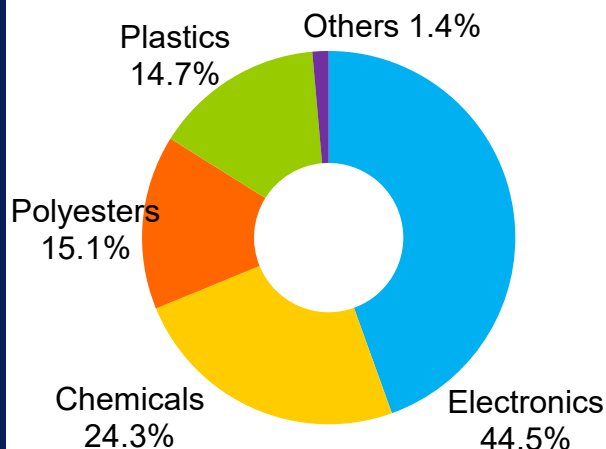
- Since the global adaptability to the Covid-19 pandemic improved in 2021, the prosperity of various industries had rebounded strongly. The rapid development of electronic applications increased a substantial demand for related products. Climate and shipping factors also impacted the supply chain, increasing product prices.
- Mainland China remains the most important market, accounting for 59% of total overseas in 2021.



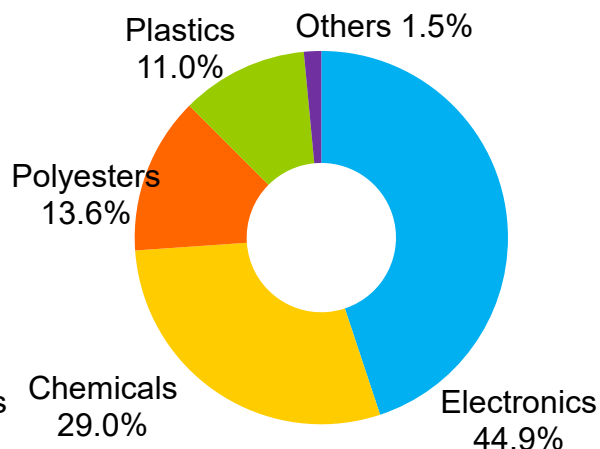
Financial Highlights

Revenue Breakdown (Quarter)

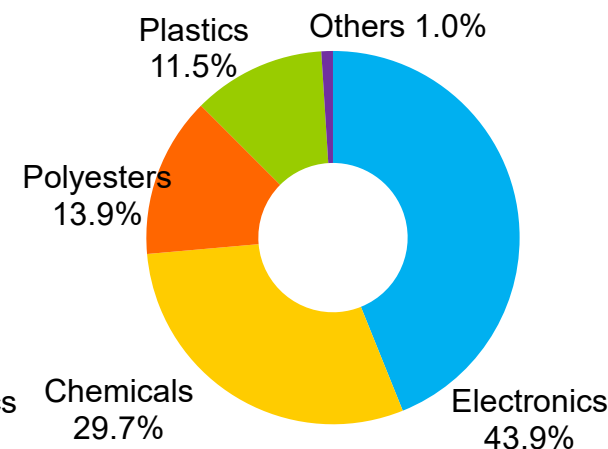
2020 4Q Net Sales
NT\$ 79.4 billion



2021 3Q Net Sales
NT\$ 109.9 billion



2021 4Q Net Sales
NT\$ 108.0 billion

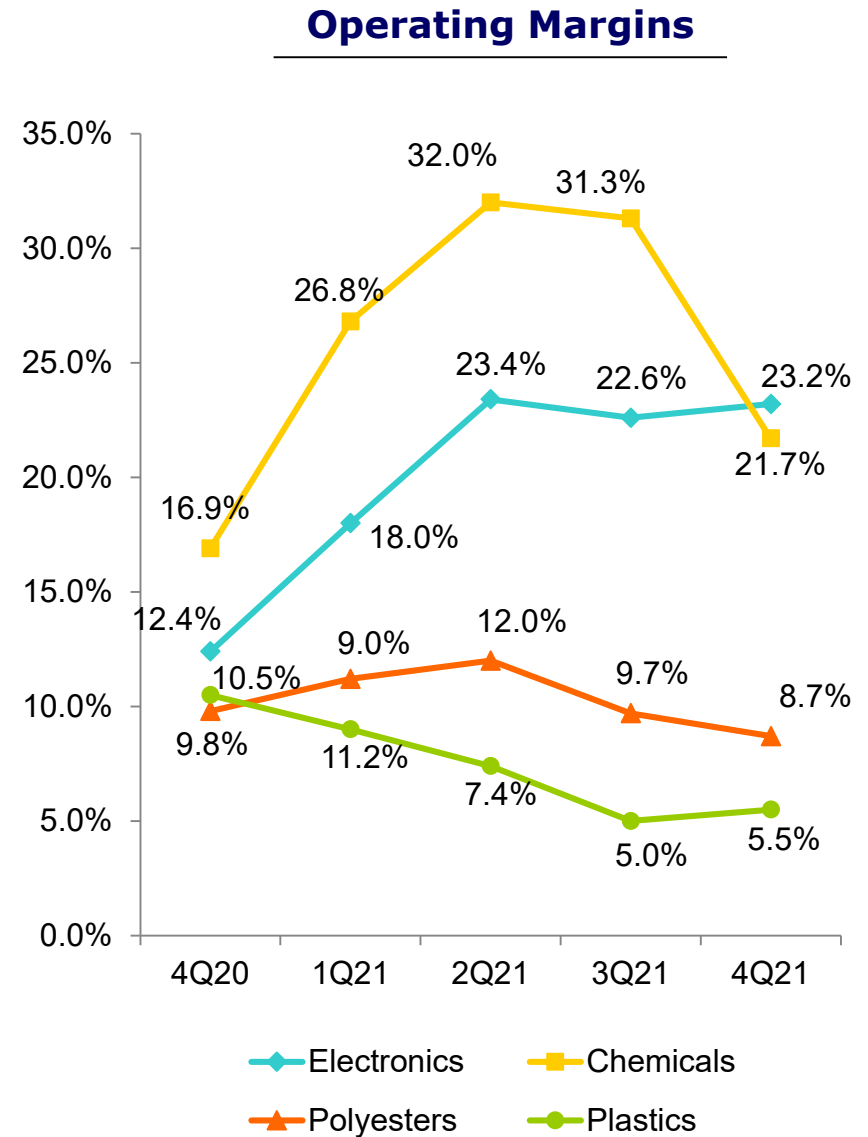
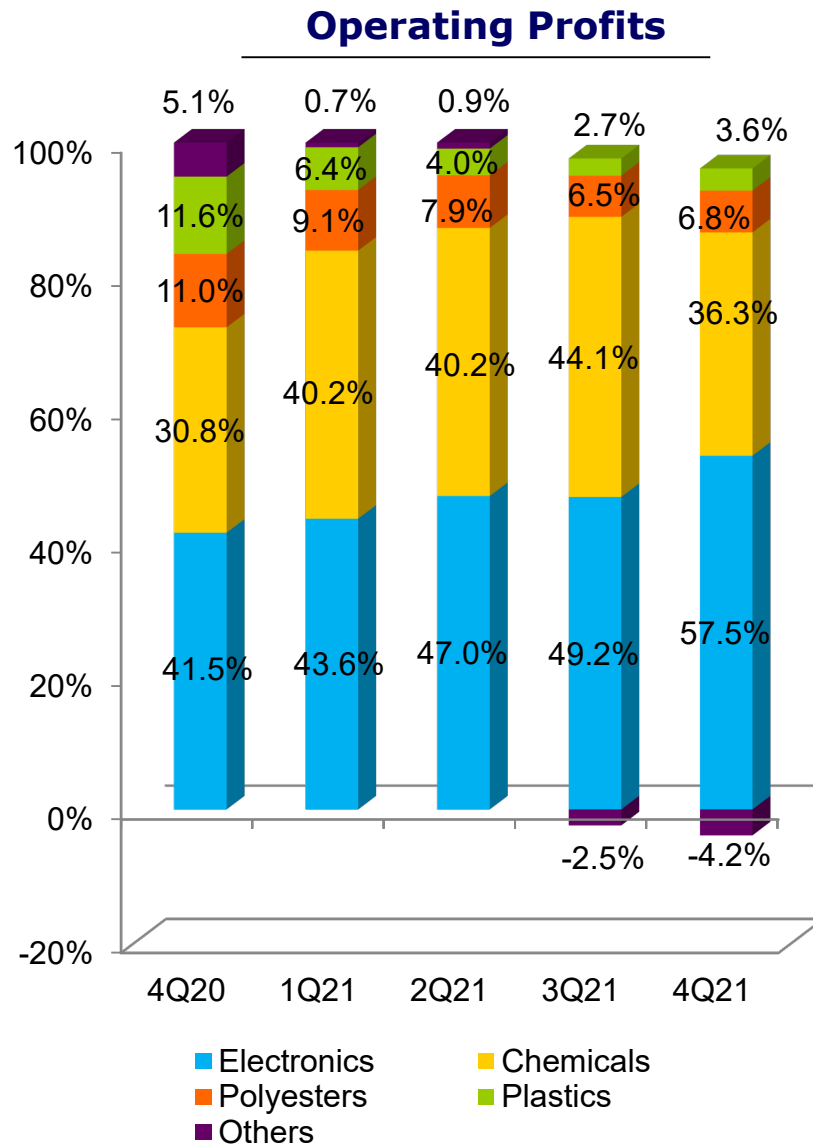


- In 2021 4Q, the decline in the price of raw materials for electronic materials products, leading to the reduction in the selling price in corresponding, therefore the revenue of electronic materials product reduced from 2021 3Q.
- With the significant increase in global consumption and unstable market supply caused by climate and shipping issues and the completion of the EG-2 plant expansion in Texas, the revenue of chemical product in 2021 4Q increased significantly from 2020 4Q.
- Revenue in the next few years is still mainly driven by chemical product and electronic materials.



Financial Highlights

Operating Profits Breakdown by Product Segment



Business Overview

Capacity Expansion Plan

Area	Product	Unit	Annual Capacity			Estimated Commissioning Date
			Current (Note)	Expansion	Increase%	
Taiwan	Wide Semi-Rigid Film	KMT	0	12	100	2022/12
	Blood bag and Leukocyte reduction filter system	10 Thousand Set	0	297	100	2023/7
	PBAT CHIP	KMT	0	36	100	2023/6
	Polyester Release Film (5 th set)	KM ²	360,000	144,000	40	2022/12
	Polyester Release Film (6 th set)	KM ²	360,000	144,000	40	2024/10
	ABF Substrate Phase I	Million Unit	-	-	14	2023/1
	ABF Substrate Phase II	Million Unit	-	-	14	2024/1
Mainland China	Copper Clad Laminate	KSH	44,400	13,200	30	2022/4
	Prepreg	KM	81,600	28,800	35	2022/4
	Glass Fabrics(Note1)	KM	324,000	90,600	28	2021/12
	BPA	KMT	186	170	91	2023/2
	ABF Substrate	Million Unit	-	-	100	2023/1
USA	Flexible PVC Sheeting	KMT	48	14	29	2023/05

Note1: The first stage of commissioning started in December, 2021 and will all be put into production in April, 2022.

Note2: Annual capacity is the total product production capacity by region.



THE END

