



南六企業股份有限公司
Nan Liu Enterprise CO.,LTD



Comfortable



Satisfactory



Joyful

Stock Code : 6504.TW

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Nan Liu

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Applications for Nonwoven



We focus on



Hygiene



Cosmetics



Packing



Medical



Protection



Industry Wipe



Car



Street



Agriculture



Construction

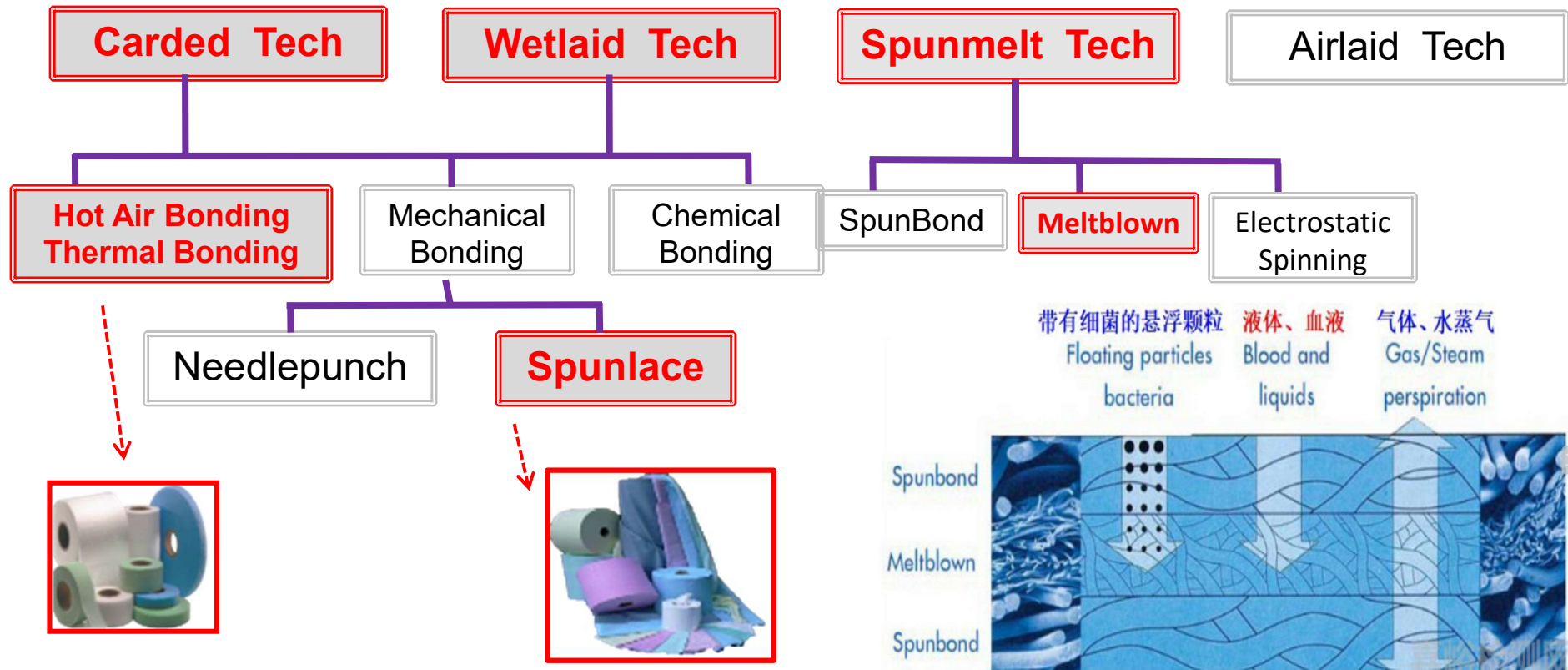


Filter



Industry Filter

Production Technology



带有细菌的悬浮颗粒
Floating particles
bacteria

液体、血液
Blood and
liquids

气体、水蒸气
Gas/Steam
perspiration

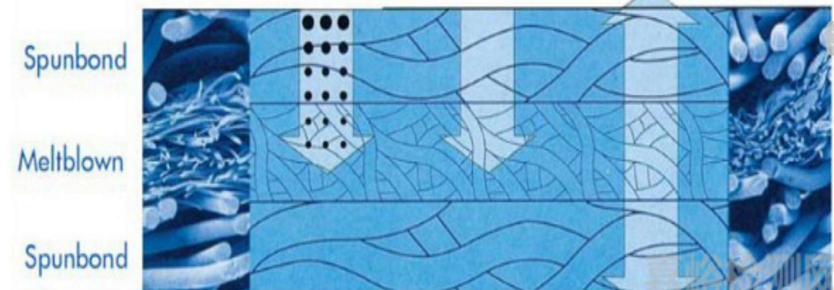
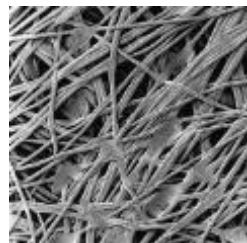
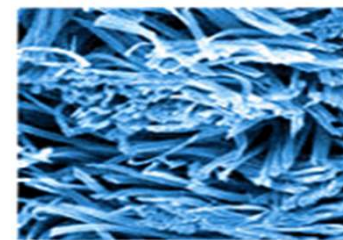
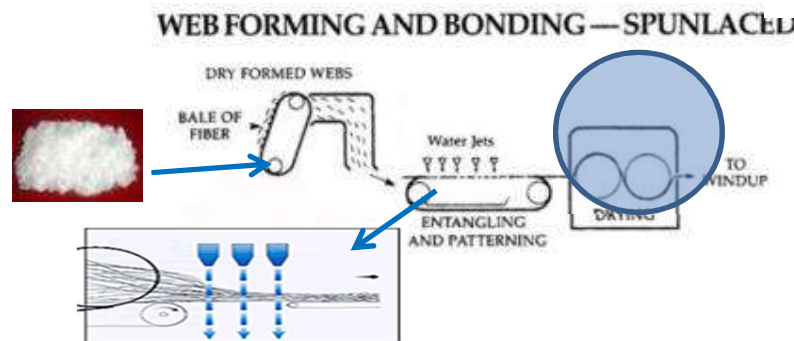


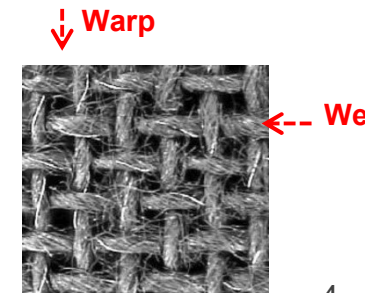
图 2: SMS 结构对各种物质阻隔效果示意



Thermal Bond



Spunlace Fabrics



Woven Fabrics

Company Profile

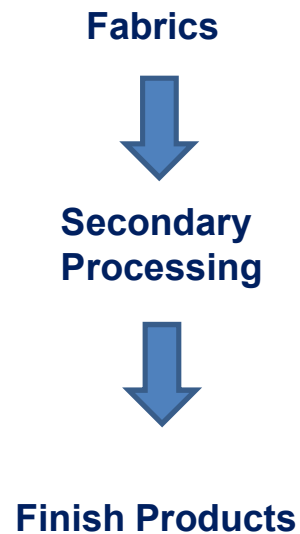


- **Establishment:** 1978
- **Capital:** NT\$726mn
- **Total employee:** 942 (Dec 31, 2025)
 - TW : 241 ; China : 419 ; India : 279
- **Headquarters:** Kaohsiung, Taiwan
- **Products :**



Chairman MR. HUANG, CHIN-SAN

Vertical Integration

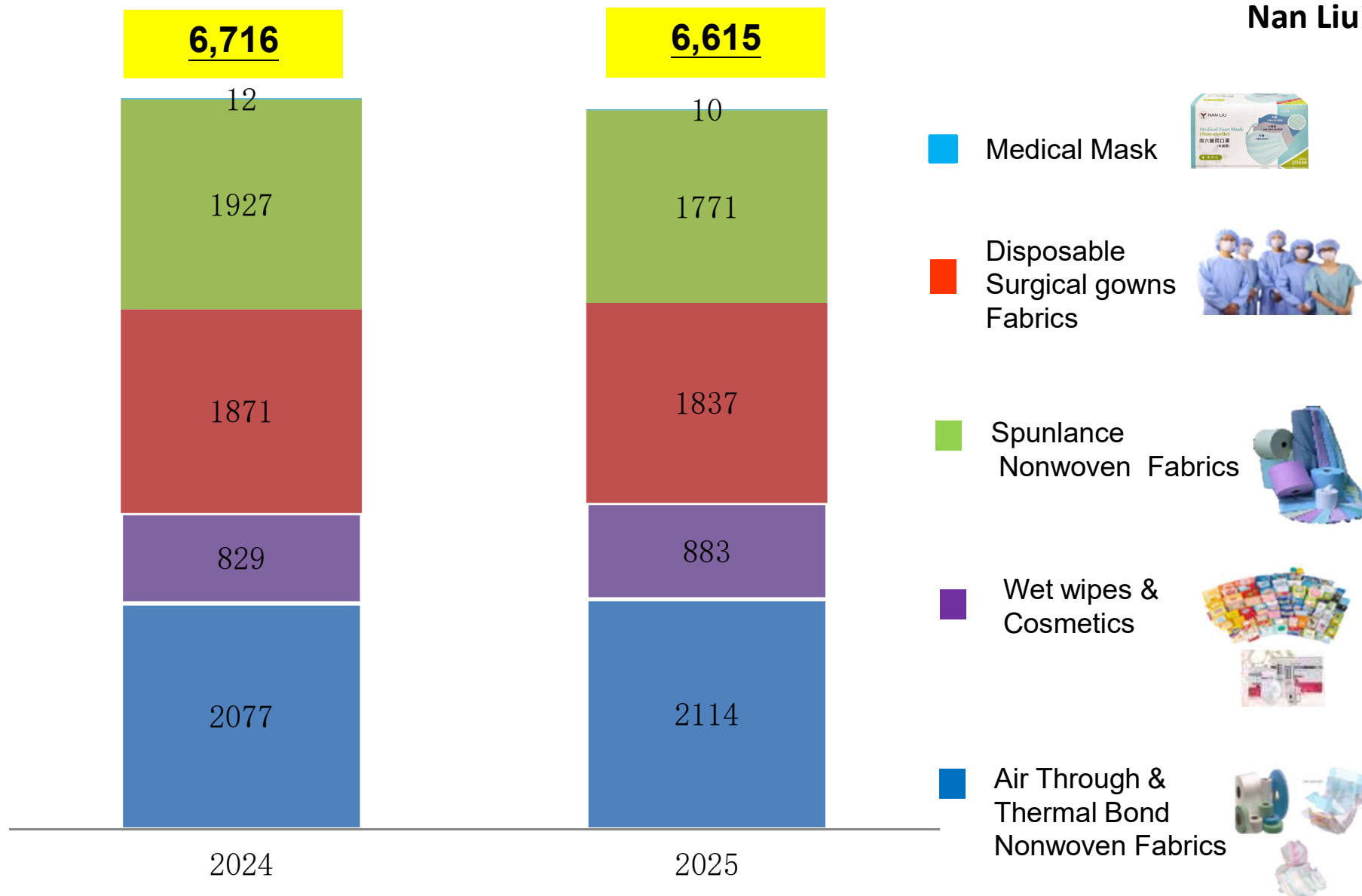


Revenue Split by Products



Nan Liu

unit : million NT\$

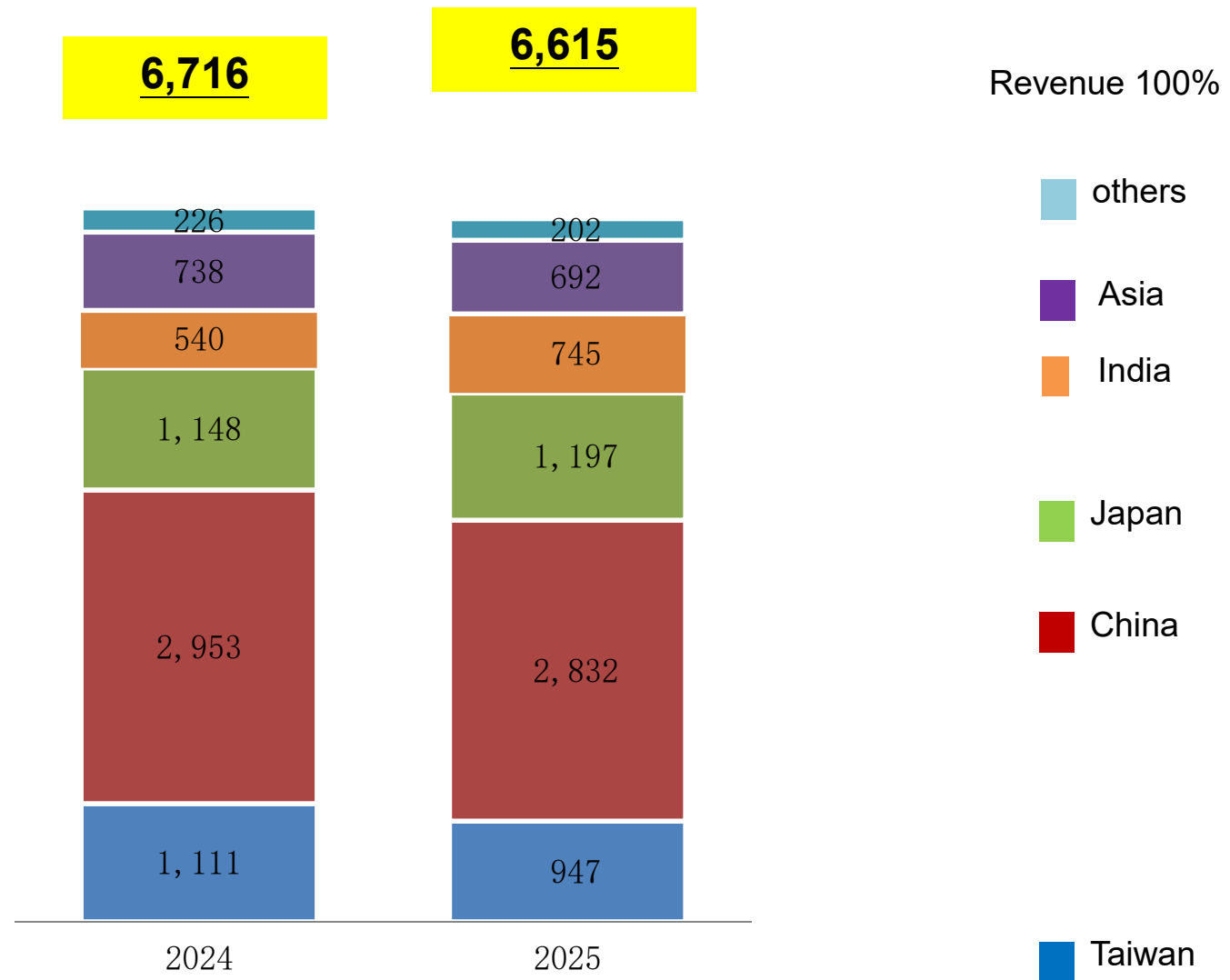


Source: Company Filings

Revenue Split by Countries



Unit : NT\$ million



Source: Company Filings

2025 Nonwovens Industry International Top 40 Companies



Rank	Company	Country	Revenue (USD Million)	Rank	Company	Country	Revenue (USD Million)
1	Magnera	U.S.	3,200	21	Fibertex Personal Care	Denmark	291
2	Freudenberg Performance Materials	Germany	3,000	22	NanLiu Enterprises	Taiwan	268
3	Ahlstrom	Finland	1,600	23	Yan Jan Industries	China	210
4	Kimberly-Clark	U.S.	1,500	24	Union Industries	Italy	208
5	Fitesa	Brazil	1,200	25	Spuntech Industries	Israel	200
6	Toray	Japan	1,000	26	Dalian Ruiguang	China	187
7	DuPont	U.S.	1,000	27	Hassan Group	Turkey	184
8	Zhejiang Kingsafe	China	840	28	Shalag Group	Israel	170
9	Alkegen	U.S.	750	29	Nbond Nonwovens	China	163
10	Johns Manville	U.S.	725	30	Owens & Minor	U.S.	150
11	Hollingsworth & Vose	U.S.	660	31	Tenowo	Germany	141
12	PFNonwovens	Czech Republic	600	32	Saudi German Nonwovens	Saudi Arabia	140
13	Suominen Nonwovens	Finland	540	33	Toyobo	Japan	135
14	TWE Group	Germany	495	34	Awa Paper	Japan	116
15	Avgol	Israel	450	35	Mogul	Turkey	113
16	Gulsan Group	Turkey	425	36	Beijing Dayuan	China	109
17	Sandler	Germany	380	37	The Japan Wool Textile Group	Japan	108
18	Fibertex Nonwovens	Denmark	350	38	Otsuka	Japan	100
19	Jofo Nonwovens	China	300	39	Shinwa Nonwovens	Japan	98
20	Mitsui Chemicals Asahi Life Sciences	Japan	295	40	KNH Enterprises	Taiwan	90

In 2025, NAN LIU ranked 22nd, an improvement of one place from 23rd in 2024.

https://www.nonwovens-industry.com/issues/2025-09-01/view_features/top-40-international-companies/

Company Location



Yanchao New plant (Headquarters)



Qiaotou plant



Yanchao plant



Company Location



CHINA

Pinghu plant

1.100km away from Pudong airport (1.5 hour drive)

2.15 min away from Jiashan South Railway Station

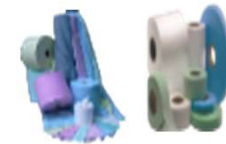
One stop shopping

Cost Advantage



Vertical Integration

Fabrics



Secondary Processing



Finish Products



Economies Scale

Company location



INDIA – Ahmedabad Plant

Sanand-II Industrial estate,
Ahmedabad, Gujarat

Area – 42,000 sq.m



The new plant in India had an operational rate of 91% by Q3 2025.



Sep, 2025



Nan Liu Milestone



Startup: household products (e.g., dish scrubber)

Development: daily supplies (e.g., surface material for sanitary pad, diaper)

Growth: spunlace nonwoven fabrics for sanitary supplies, diversification into biotech segment (facial masks, skincare products)

Acceleration: pulp/Spunlace nonwoven fabrics, built and expanded Pinghu plant at Zhejiang

Breakout: research and innovation leader shaping client demand



**We are ready to
the Future plans**

1978~1987
Startup

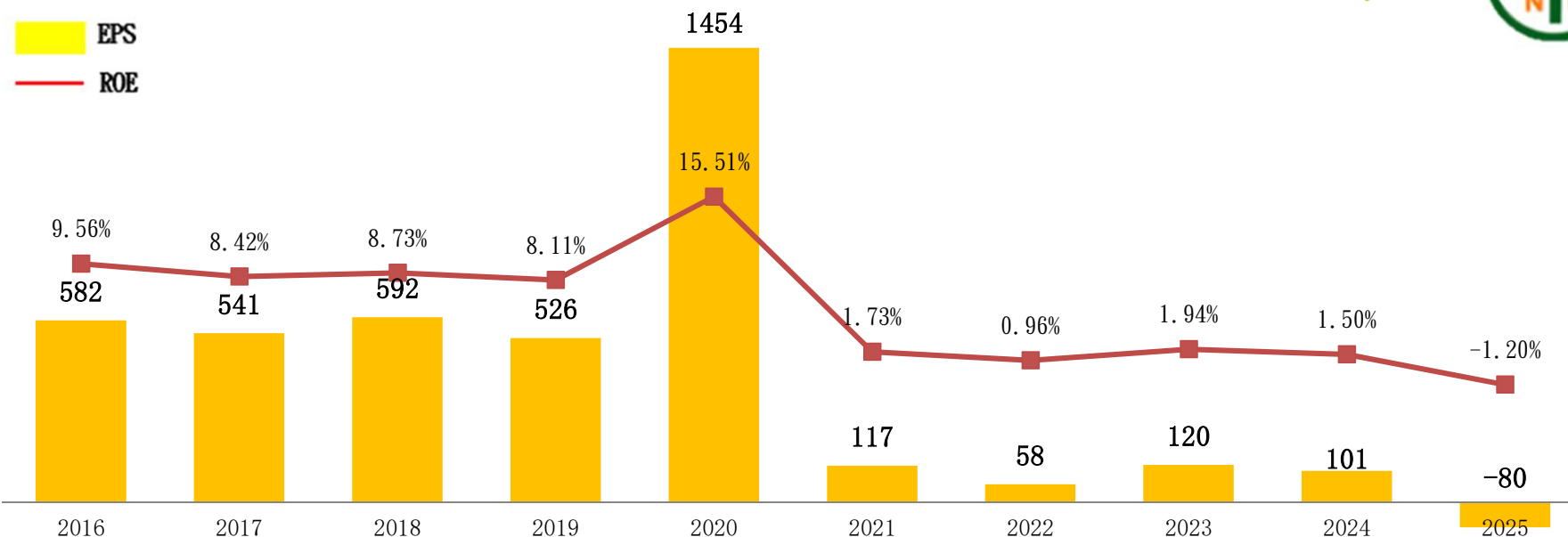
1988~1998
Development

1999~2007
Growth

2008~2018
Acceleraton

2019 and beyond
Breakout

Dividend Policy, EPS, ROE, Cash flow



Source: Company Filings

1.Dividend Policy : around 45~60%

2.We don't like to take money from shareholders.
(ex. capital increase, CB...)

		2022	2023	2023	2025
EPS		0.8	1.65	1.39	-1.09
Divid end	Cash	1	1.1	1	1
	Stock	0	0	0	0
Rate %		125%	66%	72%	(92%)

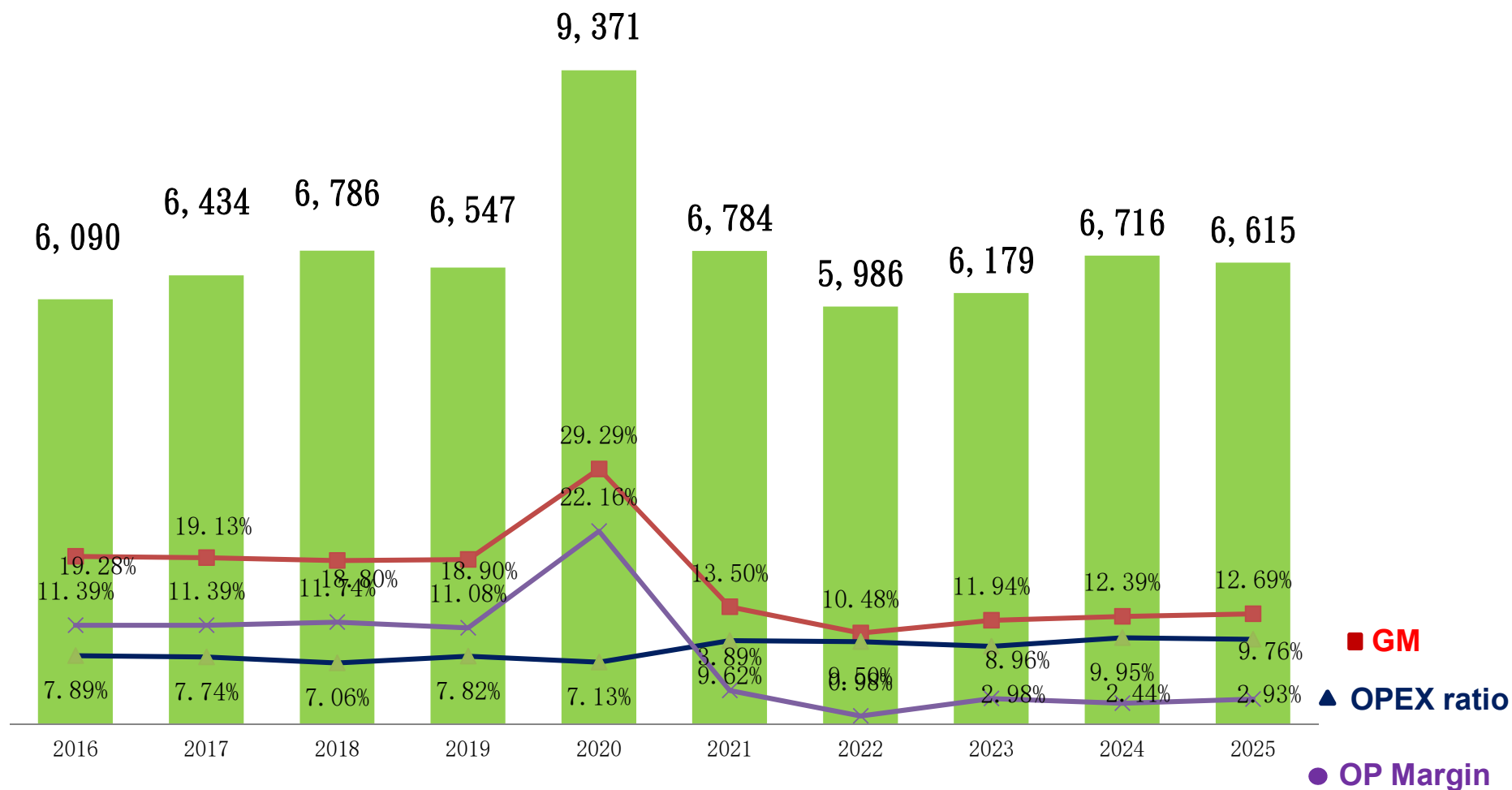
NT\$ million	2023	2024	2025
Cash from Operating Activities	489	570	764
Cash from Investing Activities	(713)	20	(265)
Cash from Financing Activities	(173)	(449)	(516)
Effect of Exchange Rate changes on cash and cash equivalents	(36)	35	55
NET INCREASE IN CASH AND CASH EQUIVALENTS	(433)	176	37
Capex	(291)	(94)	(79)
Depreciation & Amortization	543	526	507

Source: Company Filings



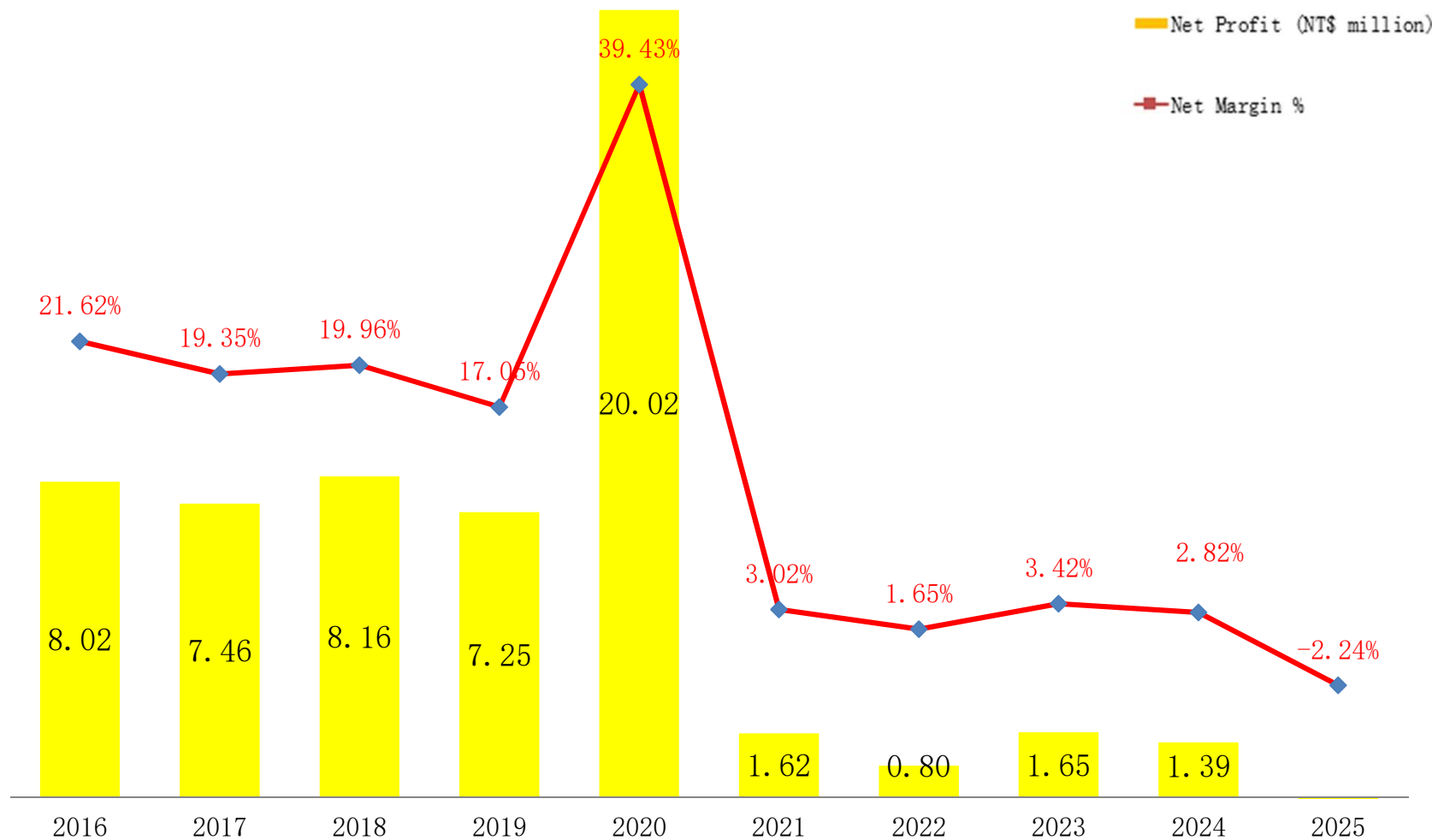
Financial highlights

Consolidated Revenue 100% (unit : NT\$ million)



Source: Company Filings

Financial highlights



Source: Company Filings

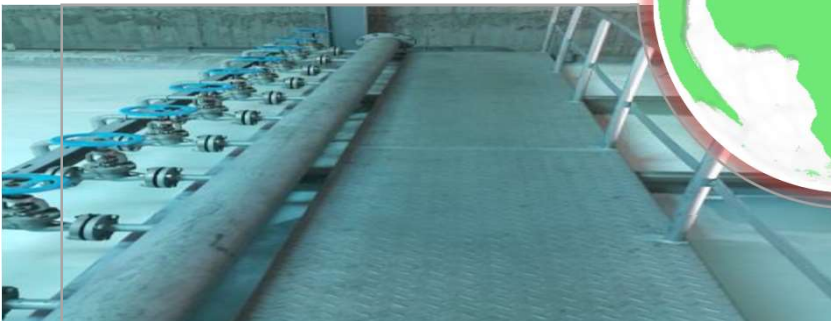
Eco-friendly



Green energy



Water Recycling

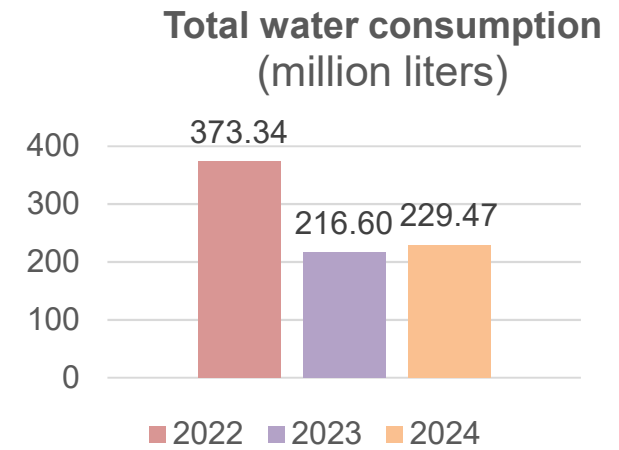
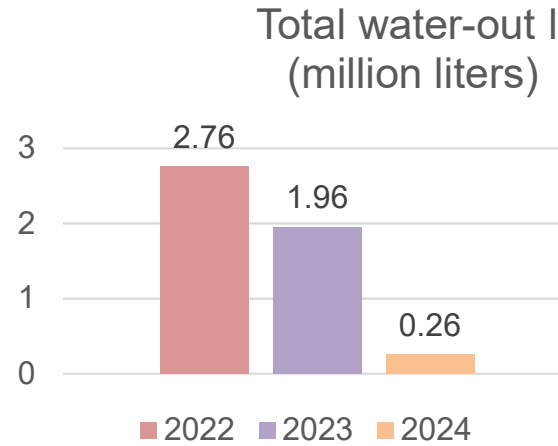
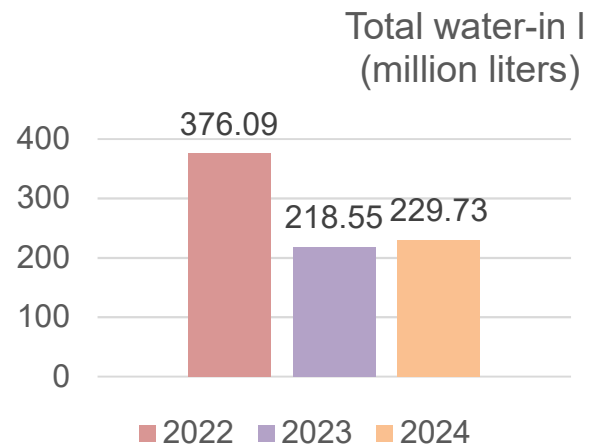


Wastewater management system



RO water reuse

water resources management



2024年Nan Liu HQ Water-save action and results

Actions	description	Water-Saving amount(million liters)
Process water recycling system	Install a water circulation system and a water recycling and treatment system.	4.8



Green energy



Pinghu Plant, China



The efficiency of solar panel

4.01 Million (kWh) in 2019
4.09 Million (kWh) in 2020
4.08 Million (kWh) in 2021
4.28 Million (kWh) in 2022
4.30 Million (kWh) in 2023
4.18 Million (kWh) in 2024



Total power generation in 2024 is 4.18 M (kWh) ,
which is equal to 163,706 trees.
Reduce emissions by 1,793 tons CO₂ in 2024.

New HQ / Yanchao plant, Taiwan



The efficiency of solar panel

2.89 Million (kWh) in 2019
3.17 Million (kWh) in 2020
3.00 Million (kWh) in 2021
3.02 Million (kWh) in 2022
3.86 Million (kWh) in 2023
5.08 Million (kWh) in 2024



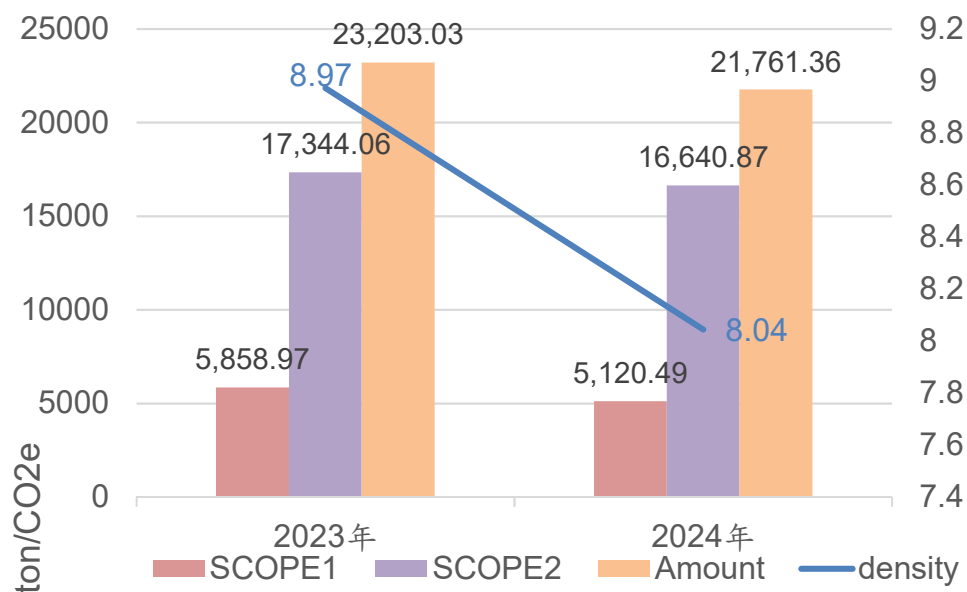
Total power generation in 2024 is 5.08 M (kWh) ,
which is equal to 190,252 trees.
Reduce emissions by 2,082 tons CO₂e in 2024.

Greenhouse Gas Emissions



- Our company conducts greenhouse gas inventory operations in accordance with the GHG Protocol and obtained confirmation from an external third party in March 2025. In the future, we will continue to track the achievement of our short, medium and long-term carbon reduction targets through routine carbon inventory and continue to move towards net zero.

2023-2024 greenhouse gas emissions



carbon reduction action	1.USE LED light equipment. 2.Air condion tempture rise up. 3.Build solar power system.
Results	Save of 17,896 GJ compare to 2023
Save-electricity rate	4%

ISO 14067 Carbon Footprint



- Nan Liu completed its carbon footprint assessment of water-based nonwoven fabrics, facial masks, and wet wipes in October 2025, obtaining complete emissions data. By quantifying carbon emissions, the company will be able to more effectively set carbon reduction targets and continuously strengthen its competitive advantage in the international sustainable supply chain.



水針不織布產品碳足跡



面膜、濕巾產品碳足跡

Become BCSD Taiwan Member



- WBCSD is a business organization comprised of approximately 200 multinational corporations and is one of the most influential business organizations in the world promoting sustainable development.
- As Asia's leading manufacturer of biotechnology and medical professional nonwoven fabrics, Nan Liu actively responds to the global and domestic net-zero carbon reduction trend, is committed to promoting green manufacturing, enhancing the sustainability and resilience of the supply chain, and keeping pace with the WBCSD international initiative. °
- To deepen its sustainability initiatives and further enhance corporate ESG capabilities, Nan-Liu has joined BCSD Taiwan in September 2025, demonstrating its clear commitment to sustainable governance, circular economy, and low-carbon transformation.



CSR



Nan liu currently has established the Nan liu Charitable Foundation in Taiwan and Ping hu, actively engaging in areas such as social care, educational support, and community welfare, and continuously giving back to society and deepening the corporate social responsibility through practical actions.



Nanliu (Taiwan) Charity Foundation's Lunch Delivery Service



Minglian Charity Kitchen improves the food problems of disadvantaged elderly people



CSR



Nan liu and Uni-charm jointly donated anti-mosquito wipes for children.

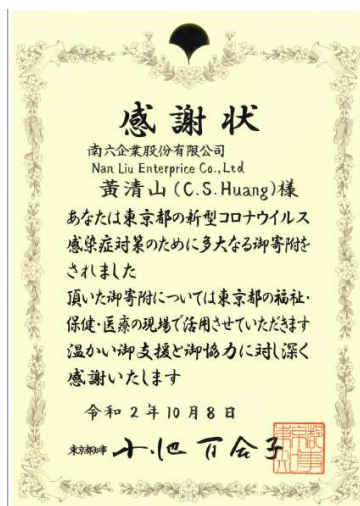


Nan-Liu sponsors the "Children's Happiness Festival" event organized by the Eden Social Welfare Foundation.



Nan-Liu sponsors the 2025 National Indigenous Sport Games (held in Kaohsiung City).

Corporate Social Responsibility-oversea



Appreciation of mask donation from the governor of Tokyo



Slovakia local news reported mask donation from NanLiu

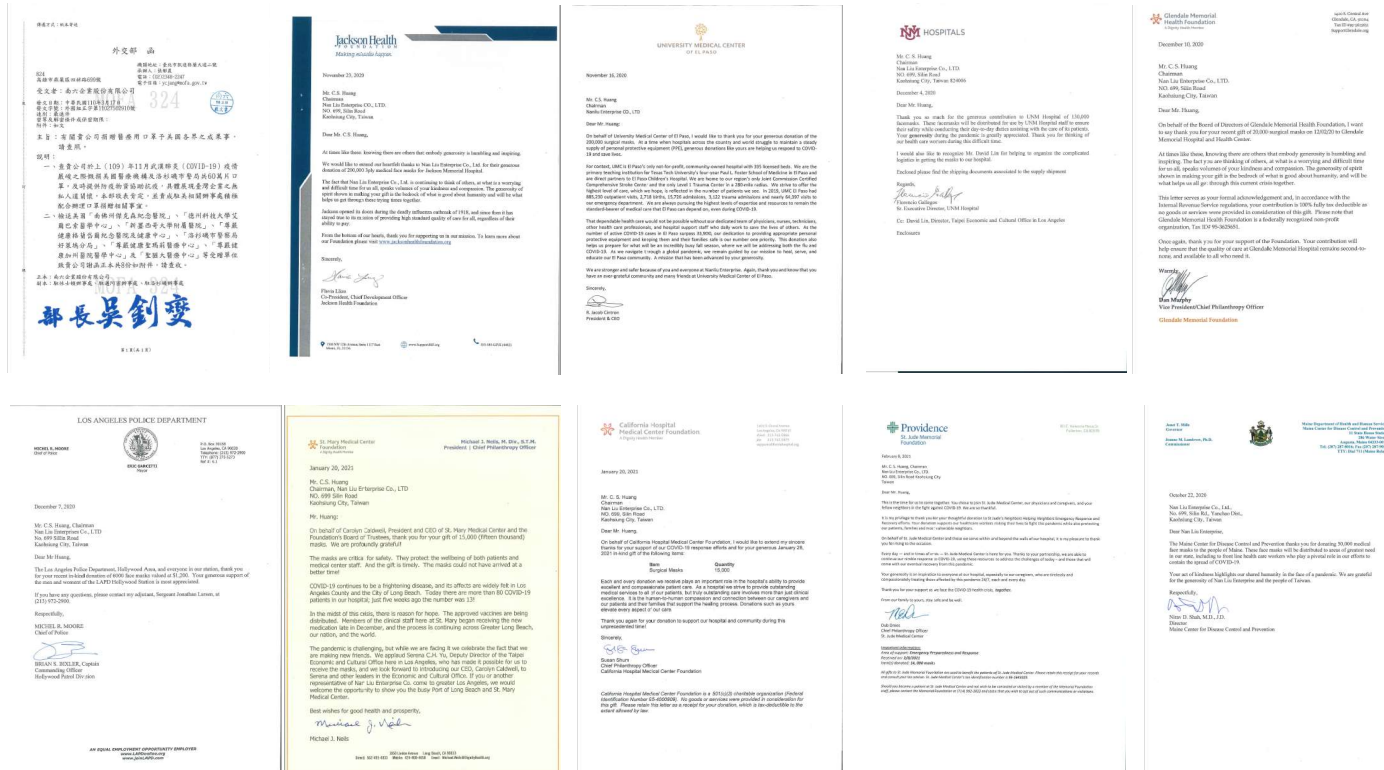


Appreciation of mask donation from Saint Vincent ambassador



Japan local news reported mask donation from NanLiu

Corporate Social Responsibility-USA



Appreciation of mask donation from the hospitals and institutes of the US.

Customer Development



The company's main clients currently include P&G, the world's largest hygiene products brand. In response to international clients' demands for a sustainable supply chain, the company plans to join RE100 by 2050, gradually increasing the proportion of renewable energy used. Next year, it will also set carbon reduction targets in accordance with the international carbon reduction organization SBTi, expecting to reduce carbon emissions by 50% by 2030 and achieve net-zero carbon reduction by 2050, tracking progress annually. This year, the company also established a Sustainability Development Committee, demonstrating its commitment to promoting net-zero and green manufacturing.

SUSTAINABILITY IN OUR SOURCING DECISIONS

P&G includes climate considerations in our sourcing decisions as part of our Best Total Value.

What is Best Total Value?

Best Total Value is one of our 5 global principles for strategic sourcing. We make sourcing decisions on the basis of best total value offered to supply our requirements for goods and services. Best total value is driven by business needs and includes a number of components that include total cost of ownership, quality of goods or services performed, supplier responsiveness and account service, speed or time-to-market, social & environmental impact, and supplier willingness to share risk/provide resources.



Climate in Best Total Value: What does it mean?

When making sourcing decisions, our purchasing team considers your sustainability performance and how it contributes to our ambitions. We evaluate various aspects of your sustainability efforts, including your Ecovadis score, the carbon footprint of materials supplied to P&G, and your greenhouse gas reduction plans for those materials and your progress.

Call to actions for high impact materials suppliers:

Include your PCF data, GHG reduction plan and value propositions in your next offers!

GHG reduction is included in our Best Total Value



Increasing Access to Renewable Electricity

P&G aims to achieve Net Zero greenhouse gas emissions across its own operations and supply chain by 2040 and recognizes that the only way to succeed is by working together with its supply chain partners. ACCELERATE is a part of the P&G Climate Unlock Program, a toolkit of resources dedicated to supporting supply chain partners to take bold climate action.

ACCELERATE provides critical support and resources for P&G suppliers to navigate the diverse array of options within the renewable electricity market.

Access to Education

P&G suppliers that join Accelerate will gain access to live and on-demand education designed to increase participants' understanding of renewable electricity procurement options. The electricity market offers a diverse array of energy procurement options, each with its unique advantages as well as accounting, operational and regulatory factors to consider. Experts from Schneider Electric provide support for suppliers of any size to leverage their best-fit options for adopting renewable electricity.

Buyer Aggregation

Supplier gain the unique opportunity to combine electricity purchasing power to form buyers' cohorts. The cohort model creates access to renewable electricity for many suppliers that would not have enough electricity demand to meet the scale needed for affordable purchasing on their own. Suppliers that participate in cohorts make impactful scope 2 emission reductions for 10-15 years.

Program Benefits

- No cost for P&G suppliers to join the ACCELERATE program.
- Buyer aggregation creates a cost effective way for suppliers to purchase renewable electricity with more favorable contract terms.
- Harmonized approach creates centralized access to information and community of suppliers sharing best practices.
- Suppliers gain brand and reputation value as leading sustainable organizations.

How do suppliers participate?

- Suppliers can register for ACCELERATE at <https://hub.zigzag.com/accelerate>
- From the ACCELERATE portal suppliers will gain access to free educational content and webinars hosted by Schneider Electric.
- Experts help suppliers explore renewable electricity options within their region to define a buying strategy for their business.
- Suppliers will have multiple opportunities to purchase renewable electricity.

*Suppliers are under no obligation to participate in any portion of the program or work with Schneider Electric to explore the renewables market or purchase renewable electricity, but participation will prepare suppliers with the knowledge to take action.

About Schneider Electric

Schneider Electric is the leading global independent renewable energy advisor and manager of the P&G Accelerate Program.



Q & A

**Thanks for your attention!
Have a great day!!!**

