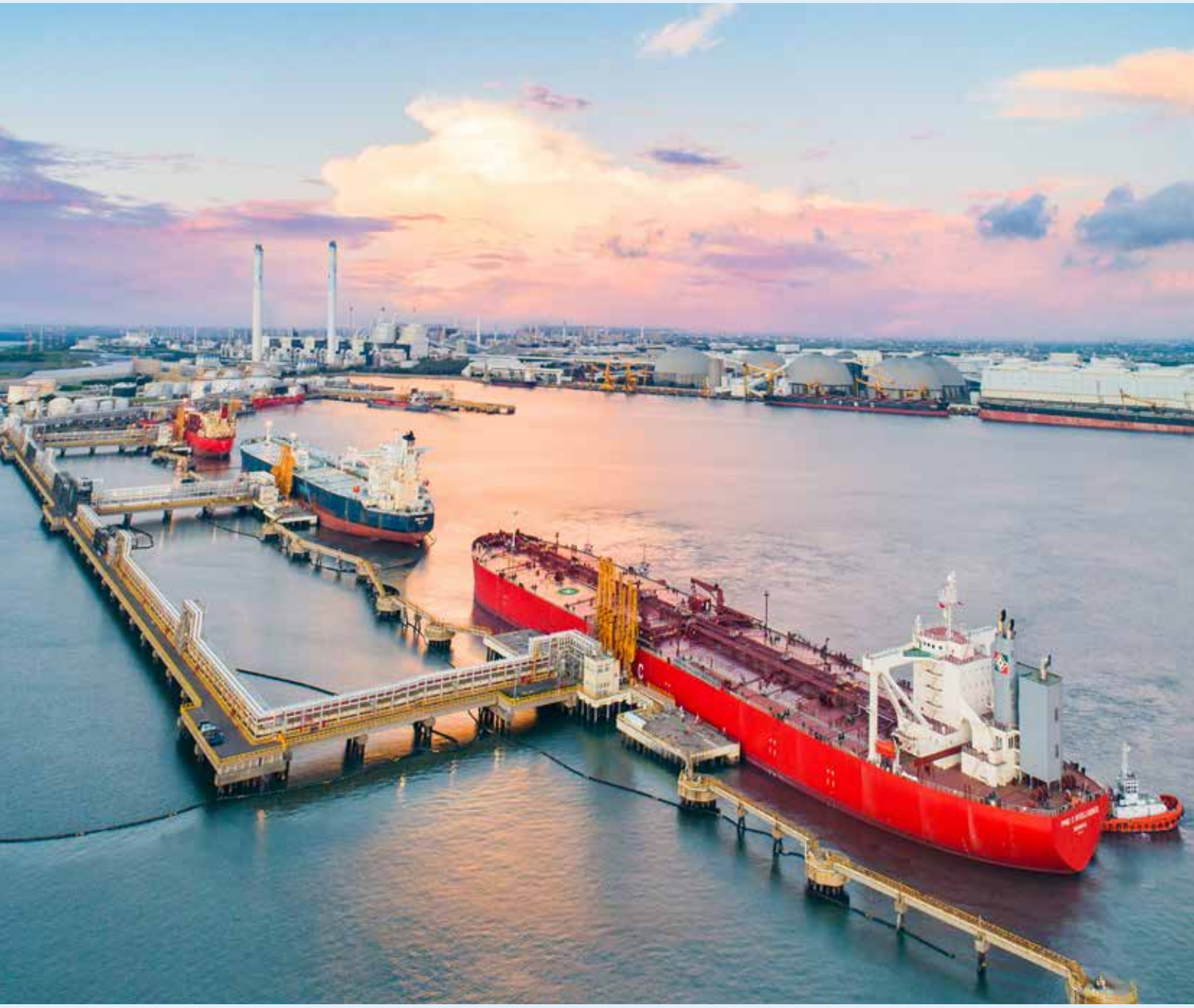
FORMOSA PLASTICS GROUP

Introduction



Mailiao Harbor- A Green Ecological Port Realizing
Corporate and Local Prosperity

An Extraordinary Enterprises that Recepets
Nature and Friendly to the Environment

CONTENTS

Mailiao Harbor- A Green Ecological Port Realizing Corporate and Local Prosperity

Mailiao Harbor occupies an area of 476 hectares and is Taiwan's first privately-funded industrial port. With a maximum waterway depth of 24 meters, the harbor can accommodate 300,000 dwt oil tankers and handle up to 70 million tons of cargo each year, making it the biggest and deepest industrial port in Taiwan. By being committed to ecological and environmental protection since operations began in March 2001, Mailiao Harbor earned the EcoPort certification on October 5, 2018, becoming the first industrial port in Asia to obtain this recognition and a part of green global transportation.

HISTORY

The world's smallest PVC resin plant began to drive Taiwan's economic development in 1954.

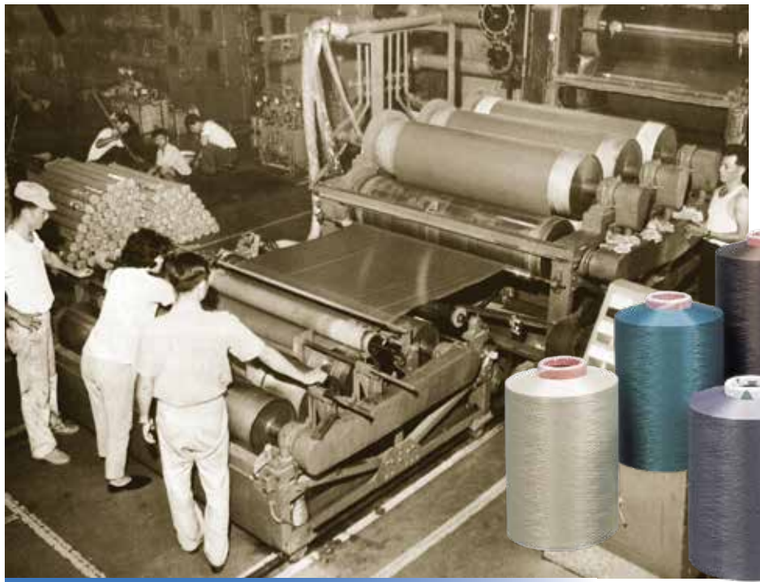
PVC resin was transported to Kaohsiung Port via ox-carts for loading and export in 1957.

The first location of FPG – Kaohsiung plant

FPG established Formosa Plastics Corporation in 1954. The PVC resin plant, with a daily production capacity of 4 tons, began production in 1957 and was the smallest PVC resin plant in the world at the time. However, due to the low production volume, relatively high cost, and lack of downstream customers in Taiwan, product piled up and sales was sluggish, creating a problem for the company. To overcome this issue, the company carefully considered its situation and decided to increase production to lower unit cost. It also began building a processing plant to utilize the PVC resin, and then exported the processed goods.

As a result, daily PVC resin production was increased from 4 tons to 20 tons. Nan Ya Plastics Corporation was established in 1958 to process PCV resin into PVC tubes, rubber, and tape. New Eastern Plastics Product Corporation was subsequently established to make use of the goods from Nan Ya Plastics Corporation's second processing, and produced goods from tertiary processing such as purses, suitcases, shoes, curtains, raincoats, and blow toys. With an abundant supply of materials from Formosa Plastics and Nan Ya Plastics, New Eastern Plastics Product Corporation entered international markets and received a continuous stream of purchase orders. However, the Founder resolutely decided to shut down New Eastern Plastics Product Corporation and encouraged employees to start their own businesses. They thus created an unparalleled tertiary processing system which led to the flourishing petrochemical industry later on and greatly contributed to Taiwan's economic development.

FPG continued to diversify after laying the foundation for plastic raw materials and processing. The group established Formosa Chemicals & Fibre Corporation in 1965, which used branches and small logs to produce rayon, yarn, fabric, and apparel, formally bringing FPG into the textiles industry. Nan Ya Plastics Corporation subsequently established a plant in 1968 to produce polyester stable fiber, and FPG established a plant the same year to produce modacrylic yarn. Formosa Chemicals & Fibre Corporation established a plant in 1974 to produce nylon fiber and fabric. A large dyeing and finishing plant was established to increase the added value of the products and provide downstream customers with more complete services. FPG is the only company in Taiwan capable of manufacturing four types of fibers and providing dyeing and finishing, and the group is also one of the largest fiber manufacturers in the world.



The first adhesive tape machine of Nan Ya Plastics Corporation.

Nylon fiber products of Formosa Chemicals & Fibre Corporation

Industries that FPG are involved in

Administrative building and Wang Zang-Yang Memorial Park in Mailiao Industrial Complex

After entering the textile industry, FPG recognized that the thriving electronics and IT industry in Taiwan still relied on imports for main parts and components, and had Nan Ya Plastics Corporation invest in a plant to manufacture printed circuit boards (PCB) and copper clad laminate (CCL) in 1984. The main reason why PCB was selected as the first step for entering the electronics industry was because FPG has always been in the petrochemical, plastics, and textile industries, and was unfamiliar with the electronics and IT industry. PCB is the most fundamental part in the electronics and IT industry. PCB has a long product life cycle, few variations, and the key to success is quality, the production process, and cost control. These are all FPG's strengths gained through its management experience, therefore giving FPG an increased possibility of success. PCB related business operations allowed us to fully understand and become familiar with operations of the electronics and IT industry, providing a basis for further development.

Today, we have successfully established a vertically integrated production system for electronics raw materials, and further invested in the production of DRAM and wafers, which are key materials for upstream industries, significantly contributing to the self-sufficiency of Taiwan's electronics and IT industries.

FPG saw the insufficient supply of upstream petrochemical materials in Taiwan in the 1970s, and the dependency on imports that often forced companies to purchase raw materials at higher prices, which reduced their competitiveness. FPG proposed building a naphtha cracker to resolve the problem of insufficient petrochemical raw materials numerous times starting in 1973, but the proposals were all turned down. It was not until 1986 that the government approved the proposal, and FPG began to construct Taiwan's Sixth naphtha cracker, which is the Sixth Naphtha Cracker Project. Formosa Petrochemical Corporation was established in 1992 in coordination with the operations of the Sixth Naphtha Cracker Project, and it was responsible for constructing the refining plant, naphtha cracker, and co-generation power plant. All of the plants were completed and have begun production, and a series of petrochemical plants were subsequently completed and have also begun production. We are beginning to enjoy the advantages from vertical integration in the Sixth Naphtha Cracker Project, which has further enhanced our overall operating capabilities.

After over six decades of development, FPG is currently comprised of over a hundred companies, including Formosa Plastics Corporation, Nan Ya Plastics Corporation, Formosa Chemicals & Fibre Corporation, Formosa Petrochemical Corporation, and Formosa Ha Tinh Steel Corporation, and has plants in Taiwan, the United States, China, Vietnam, the Philippines, and Indonesia. FPG also has a large number of education and healthcare institutions, making it one of the largest private enterprises in Taiwan.

Formosa Plastics Group Profile

Scan QR code to watch the video

The Headquarters of FPG

ORGANIZATION AND OPERATION STRUCTURE

Complete corporate organization and management system

To pursuit the rationalization of management, the Group Administration, functioning as a professional staff and service unit, was established to coordinate resources and perform the cooperative function in the Group. The Office is responsible for coordinating the resources of the group and unleash the capabilities of FPG. Hence, besides management and improvement tasks, the Group Administration are also responsible for formulating group-wide strategy, computerized planning and implementation, business audits, raw materials procurement, fund allocation, construction, legal affairs, and public relations. Each company has a President's Office, business department Manager's Office, Factory Office, thereby forming a complete staff hierarchy. Furthermore, we also established accounting departments, management departments, storage and transportation departments, technology departments, and labor safety and health offices as needed. We adopted the following business management system for each unit to serve its function in the organization and improve our overall business performance:

1. Business department system:

To prevent inefficiencies resulting from the growing scale of our Group we thoroughly implemented the business department system to comply with the principles of integrated production and sales and responsible management. Each company in the group is divided into several business departments based on their respective industries. The purpose is for each business department to be able to make comprehensive plans for production, sales, and business goals based on its organization, manufacturing procedures, and product structures. A "profit-centered" system is also implemented with separate units that calculate the profit/loss of each plant or product, and business performance is measured based on cost and revenue of products using accounting management and analysis forms. The responsibilities of each unit are clearly defined to make management more reasonable.

2. Goal management system:

To monitor the business performance of each unit, we pay special attention to performance and cost management. We review and find the causes of abnormalities by analyzing the difference between goals and actual performance, and formulate improvement measures to achieve cost control and better performance. We utilize "unit cost analysis" for an in-depth analysis of the individual costs in products, and then set a target cost on this basis. We also analyze the difference between actual cost and standard cost through abnormality management, and formulate improvement measures based on the results. New goals are set based on the effectiveness of improvements, and the cycle is repeated to improve the benefits and make costs become more reasonable

.3. Individual performance system:

We comprehensively implemented the individual performance reward system to make the compensation of employees more reasonable, align employees' interests with the company's interests, and give employees a sense of involvement by encouraging them to find and solve problems. Employees are rewarded in the form of bonuses according to the regulations for rewards and which are based on their actual performance. The performance is also used as the basis for annual performance evaluations, thereby increasing the quality of their work, improving production efficiency, and increasing the income of employees.

To achieve sustainable development and high-level growth, we have diversified our business and engaged in multilateral development. All management systems, including supplies, productions, operations, construction, personnel finance, performance analysis, and healthcare, are computerized and online to make management more reasonable and to achieve better business performance. We are also making our plants smarter and extensively collecting and analyzing data on production processes to determine optimal process conditions. We also implemented AI technology to produce immediate improvements to production efficiency and product quality. We constantly introduce new concepts and new technologies on the basis of our solid management foundation in coordination with technological developments, and thereby enhance our competitiveness, in the hopes of seizing new opportunities and pursuing sustainable development in this volatile global market.

All of our management systems are computerized and online for real-time operations, in order to make business management more reasonable and achieve better business performance.

FPG – Mailiao Industrial Complex

PRODUCTION IN TAIWAN – MAIN BUSINESS ITEMS

Industrial development that spans multiple fields

Production units of FPG in Taiwan does not only include Formosa Plastics Corporation, Nan Ya Plastics Corporation, Formosa Chemicals & Fibre Corporation, and Formosa Petrochemical Corporation, but also over 50 other companies, including Formosa Heavy Industries, Formosa Sumco Technology Corporation, Nanya Technology Corporation, Nan Ya Printed Circuit Board Corporation, Nan Ya Photonics Inc., and Formosa Biomedical Technology Corporation. The companies are engaged in the businesses of oil refining, petrochemicals, plastic materials, secondary processing of plastics, fiber and textiles, electronic materials, production of mechanical products, and transportation.

Oil refining, petrochemical, and plastic raw materials

Formosa Petrochemical Corporation is currently the only private company in Taiwan that operates a refining plant and naphtha cracker. Gasoline and diesel produced by the refining plant have been sold in gas station franchises around

Taiwan since September 2000, creating a foothold in the domestic oil products market. As of December 2020, FPG's market share is approximately 22.5%.

Naphtha cracker No. 1 and No. 2 were completed and began production in 1999 and 2000 respectively, and naphtha cracker No. 3 was completed and began production in 2007; the total production capacity of ethylene reached 2.935 million tons a year.

FPG's current annual production capacity of PVC resin has reached 3.197 million tons, making FPG one of the world's largest manufacturers. Meanwhile, Nan Ya Plastics Corporation, which manufactures plastic tubes, rubber, and tape, has also become the world's largest secondary PVC plastics processing plant.

Besides ethylene, propylene, PVC resin, and the plastics processing businesses, we also produce liquid caustic soda, VCM, EDC, MBS, POM, HDPE, EVA, LDPE, LLDPE, PP, AN, MMA, MAA, ECH, MTBE, B-1, DEHP, AE, NBA, ABS, PS, PC, PTA, SM, PTMG, and PIA, which are intermediate petrochemical materials, and we rank as first for each product in terms of market share.

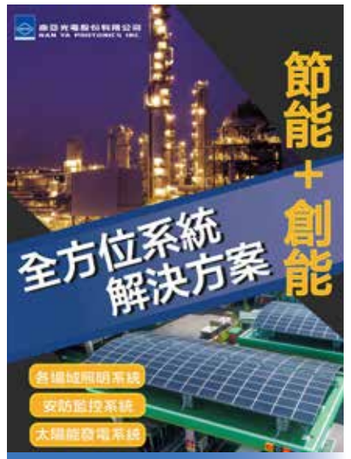
FPC is one of PVC world's largest PVC producers

Refinery in Mailiao

Integrated marketing of fiber products

Fibers, textiles and carpets

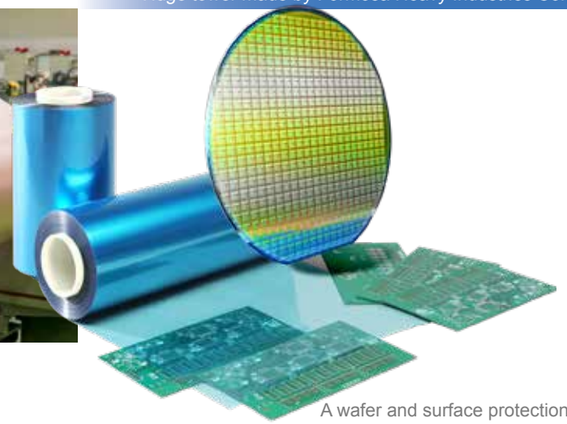
We currently manufacture polyester, nylon, rayon, carbon, glass, and elastic fibers. We are also a global market leader for most fibers with respect to production volume. Our capabilities also include textiles, dyeing, and finishing equipment for manufacturing gray yarn, gray cloth, dyed yarn, and dyed cloth. Our carpet plant is currently the only professional carpet plant in Taiwan, and over 70% of raw materials are from FPG's system, achieving integrated production from raw materials to finished goods. We also have embroidery machines and spray dyeing equipment to manufacture square carpets with exquisite patterns, broadloom, and artificial grass; our products are marketed and recognized worldwide.



Nan Ya Photonis Inc. products

Huge tower made by Formosa Heavy Industries Corp.

Nan Ya Copper foil



A wafer and surface protection films

Electronic materials and products

FPG's products in the electronics industry can be divided into printed circuit boards and semiconductors. For printed circuit boards, FPG built a complete vertically integrated supply chain from upstream glass yarns, glass fabrics, epoxies, and copper foil to downstream CCLs and printed circuit boards. Upstream silicon wafer, midstream DRAM and downstream packaging/testing businesses give FPG full-spectrum involvement and a competitive position in the IC sector. In addition, FPG also step into LED lighting to provide systematic solution in all directions.

Mechanical products

Our products and services include power plant and co-generation system equipment manufacturing and turnkey services, smart storage and logistics systems, oil refining and petrochemical process equipment, heavy object transportation and lifting, industrial gear reducers, high speed increaser (reducer), large precision gears, industrial rollers, lining, metal roller electric plating and grinding, and electropolishing. We are the largest mechanical equipment manufacturer and turnkey service provider in Taiwan.

Formosa Plastics Transport Corporation

Formosa Plastics Marine Corporation

Transportation Business

Besides three land transportation companies, namely Formosa Fairway Corporation, Formosa Plastics Transport Corporation and Formosa Petrochemical Transportation Corporation, we also established our first chemical shipping fleet in 1981 to lower our raw materials transportation costs and to ensure the delivery schedule. The shipping fleet was expanded to meet the large demand for raw materials, such as: oil products, petrochemical materials, and coal used by the power plant in the Sixth Naphtha Cracker Project. The fleet currently has 51 ships, including 15 highly advanced chemical/oil tankers, 5 oil product tankers, 8 crude oil tankers (ranging from 280,000 to 300,000 tons), 20 bulk carriers (ranging from 37,000 to 205,000 tons), 2 gas carriers and 1 container ship.

THE SIXTH NAPHTHA CRACKER PROJECT

Global expansion plan based in Taiwan

In light of the severe shortage of basic petrochemical materials in Taiwan over the years, which has limited the development of the petrochemical industry's mid-stream and down-stream industries, Formosa Plastics Group proposed the building of a naphtha cracker to resolve the problem of insufficient raw materials numerous times starting in 1973, but all the proposals were turned down. It was not until 1986 that the government approved the proposal for the Sixth Naphtha Cracker Project.

The first task at hand after the project was approved was site selection. The plant was originally planned to be built in Yilan Lize, in an area with 280 hectares of land, but was relocated to Taoyuan Guanyin in 1988 after irrational protests by environmental activists. FPG later abandoned the plan in Taoyuan Guanyin due to a similar reason. Chiayi Aogu and Yunlin Taixi were also evaluated, but they were found to be incompatible with the project, and a site still could not be decided after several setbacks. It was not until 1991 that Mailiao Township, Yunlin County, was selected, and we began carrying out land reclamation and plant construction.

Mailiao District and Haifeng District, developed by the Sixth Naphtha Cracker Project, are located at the estuary of Zhuoshui River in the northmost end of Yunlin County. The area stretches approximately 8 km from north to south, and extends 4 km offshore from the coastline. Most of the land in the area is below sea level, so it was necessary to carry out large scale land reclamation and ground improvements to secure the foundation of the site. The total reclaimed area is approximately 2,255 hectares and there is a channel separating the site from coastal fish farms.

Mailiao Township is commonly known as the place "where the water ends and the wind begins," and not only is it inconvenient to access, but also extremely poor weather conditions for six months every year due to the strong northeast monsoon affect the area. The Six[th] Naphtha Cracker Project was a massive construction project that was built up from nothing.

The Six[th] Naphtha Cracker Project includes a refining plant which is capable of refining 25 million tons of crude oil every year, a naphtha cracker with an annual capacity to produce 2.935 million tons of ethylene, and related petrochemical plants, heavy machinery plants, a co-generation power plant, and Mailiao Harbor. Furthermore, seeing the impact of Taiwan's severe power shortage on domestic and business developments, FPG decided to establish a coal-fired power plant that will be connected to Taiwan Power Company's power grid, so as to help resolve Taiwan's power shortage.

At present, the total investment amount of the Six[th] Naphtha Cracker Project is approximately USD31.25 billion (including the industrial harbor and power plants). A total of 56 plants were constructed, and all plants have begun production.

After the Six[th] Naphtha Cracker Project was completed, Taiwan's ethylene self-sufficiency ratio increased from 38% in 1994 to 100% in 2020, with an output value of USD30.16 billion in 2020 and government tax revenue increased by more than USD586 million, and it drove the development of mid-stream and down-stream industries.

The Six[th] Naphtha Cracker Project effectively lowered operating costs through its comprehensive planning which included a power plant, industrial harbor, and a series of related facilities. The various petrochemicals are vertically related and transported to nearby locations, saving transportation costs. The supply of raw materials is stable and fully utilizes the benefits of vertical integration. Hence, the products are very competitive internationally. The scale and content of the 56 plants constructed under the Six[th] Naphtha Cracker Project are as follows:

Ground improvement

Border dike construction

Plant and tower installation

1. Project construction

• **Land reclamation** : Approximately 109.15 million cubic meters of sand was used, which is enough to cover the 8-lane highway that stretches 373 km from Keelung to Kaohsiung in sand 3-stories high. The area of reclaimed land is approximately 2,255 hectares, which is about 8% of the area of Taipei City (27,180 hectares) and 0.062% of the area of Taiwan.

• **Foundation equipment construction** : The total length of piles that were installed reached 4.7 million meters. 9.04 million cubic meters of concrete was used (requires approximately 1.97 million MT of cement).

• **Plant construction** : A total of 56 plants, including a refining plant, naphtha cracker, co-generation power plant, power plant, heavy machinery plant, boiler plant, fab, and other petrochemical related plants were constructed in a single industrial complex. The length of pipelines in the complex stretches over 3,000 km.

• **Complex area** : Approximately 2,603 hectares, over four times the total area of Linyuan Industrial Park (403 hectares), Dashe Industrial Park (109 hectares), and Toufen Industrial Park (95 hectares).

Mailiao Harbor earned the EcoPorts certification of ESPO on September 7, 2018

2. Mailiao Harbor

The project's Mailiao Harbor covers an area of 476 hectares. The depth of navigation channels at mean sea level reaches 24 meters, which allows access by 300,000-ton vessels. It is not only the deepest port in Taiwan, but also the first industrial port to be constructed with private investments, and also Asia's first EcoPort. The annual cargo throughput of Mailiao Harbor reaches 70 million MT, the second highest in Taiwan, and is only behind Kaohsiung Port. Even though Mailiao Harbor is an industrial port operations of the port have benefited the vast hinterland, providing Yunlin with convenient sea transportation while driving industrial and local developments.

The independent power plant helped resolve Taiwan's insufficient power problem

3. Independent Power Plant

Four large coal-fired power generators were planned for the project, each with a capacity of 600,000 kW. Three generators with a total capacity of 1.8 million kW have been completed, and all of the electricity is sold to Taiwan Power Company and fed into its power supply system, greatly helping to resolve Taiwan's insufficient power problem.

Huge Tower

4. Refining plant

The daily refining capacity is 540,000 barrels, which is equal to 25 million MT of crude oil a year. The annual production volume of naphtha can reach 3.75 million MT, which is used by plants in Mailiao Industrial Complex. Meanwhile, gasoline, diesel, and aviation fuels are also produced.

5. Naphtha cracker

A total of three naphtha crackers were constructed to produce ethylene, propylene, and butadiene, of which annual production capacity of ethylene reaches 2.935 million MT, the highest capacity of a single plant in Taiwan. It is an important basic industry that supplies materials for special chemicals, IT, and high-tech domestic industries.

6. Co-generation power plant

Mainly produces electricity, steam, industrial water, ultra-pure water, nitrogen, oxygen, and compressed air for use by relevant plants in Mailiao Industrial Complex. The installed capacity of the self-usage power generation system currently is 2.75 million kW, including 15 qualified co-generators with a total installed capacity of 2.15 million kW, which makes it the largest co-generation power plant in Taiwan. The electricity generated is used by manufacturing processes, and any excess electricity is sold to Taiwan Power Company to help alleviate the pressure on the power grid in Taiwan.

7. Machinery plant and boiler plant

The machinery plant mainly designs, manufactures, installs, and constructs oil refining and petrochemical process equipment (reaction tank, tower, pressure container, heat exchanger). The plant has obtained “S,” “U,” “U2,” and “R” certifications from the ASME. The overall manufacturing ability is 12 M$^{\Phi}$ x 120 ML x 2,000 MT, meaning that a single piece of equipment has a diameter exceeding 12 m, length of 120 m, and weight of 2,000 MT. The boiler plant mainly plans, designs, manufactures, installs, and constructs equipment for the cogeneration power plant and power plant. Production capacity: Co-generation power plants can produce up to 35-150 MW and independent power plants can produce 600 MW.

Wind turbine

Ethylene fractionator

Formosa Sumco operates an 8" and a 12" wafer fab plant

Application of spandex fiber

8. Fab

The fab is a joint venture between FPG, Asia-Pacific Investment Co., Ltd., and Japan's Sumco Techxiv Corporation that produces semiconductor-grade wafers, and its annual capacity is 3.96 million 8" wafers and 3.6 million 12" wafers. These wafers are important substrate materials for IC, and can also be used in the substrate of solar power batteries.

9. Spandex plant

The plant is a joint venture between FPG and Asahi Kasei Corp. that produces spandex and PTMG. Its current annual capacity is 5,000 MT of spandex and 21,000 MT of PTMG. Spandex is extensively used in functional clothing and medical products, and has become indispensable to artificial fibers.

10. The Sixth Naphtha Cracker Project Investments

Product Category	Investing Company	Factory	Product	Capacity (10000 MT/Y unless otherwise noted)
Petroleum Products	Formosa Petrochemical Corp.	Refinery plant	Naphtha, gasoline, diesel	2,500(Refinery)
	Simosa Oil Co, Ltd.	Asphalt plant	Asphalt	30
Petrochemicals & Chemical Products	Formosa Plastics Corp.	Acrylic Acid & Ester plant	AA/AE	11.1/15.4
		Polyvinyl Chloride plant	PVC	49.8
		Vinyl Chloride Monomer plant	VCM	80
		Caustic Soda plant	Caustic Soda	133
		High Density Polyethylene plant	HDPE	35
		Ethylene-Vinyl Acetate plant	EVA	24
		Acrylonitrile plant	AN	28
		Linear Low Density Polyethylene plant	LLDPE	26.4
		Methyl Methacrylate plant	MMA	9.8
		C4 plant	MTBE/B-1	17.4/3.2
		Epichlorohydrin plant	ECH	10
		NBA plant	NBA	25
		SAP plant	SAP	6
	Nan Ya Plastics Corp.	Plasticizer plant	Plasticizers	44
		Epoxy Resin plant	EPOXY	16
		Propionic Anhydride plant	PA	22.8
		Isooctanol plant	2EH	20
		Bisphenol A plant	BPA	42
		Ethylene Glycol plant	EG	152
		Hydrogen Peroxide plant	ESO/H_2O_2	2/2
		1,4-Butylene Glycol plant	1,4BG	12
		Iso-nonyl Alcohol plant	INA	11.5
		Maleic Anhydride plant	MA	7
	Formosa Chemicals & Fibre Corp.	Aromatic Hydrocarbon plant	BZ/PX/OX/MX	133/197/48/10
		Styrene Monomer plant	SM	132
		Purified Terphthalic Acid plant	PTA	110
		Phenol Synthesis plant	PHENOL/ACETONE	44/27.1
		Polypropylene plant	PP	64
		PABS plant	PS/ABS/PBT	20/12/6
		Polycarbonate plant	PC	22
	Formosa Petrochemical Corp.	Naphtha Cracker plant	Ethylene	293.5
	Formosa INEOS Chemicals Corp.	Acetic Acid Plant	HAC	30
	Nan Chung Petrochemical Corp.	Ethylene Glycol plant	EG	37.5
Fiber	Formosa Asahi Spandex Co.	Spandex plant	SPANDEX/PTMG	0.5/2.1
Power Generation	Formosa Petrochemical Corp.	Utilities Supply plant	Steam Electricity	11,580 T/H 2,754MW
	Mailiao Power Corp.	Power station	Electricity	600MW X 3
Electro-Mechanical	Formosa Heavy Industries Corp.	Equipment for Machinery Shop	Equipment for refinery, petrochemical plants	4.3
		Boiler Shop	Equipment for Cogeneration and utility power plants	500T/H X 8ST
Electronics	Formosa Sumco Technology Corp.	Wafer fabrication plant	8-inch wafers 12-inch wafers	3.96million pcs. 3.6million pcs.

Wang Zhan-Yang Memorial Park

CIRCULAR ECONOMY, ENVIRONMENTAL SUSTAINABILITY

The Six[th] Naphtha Cracker Project Circular Economy Implementation

Chairman WenYuan Wong follows the spirit of the two founders - “with diligence and modesty, we strive for excellence”, the management team, in order to maintain a robust enterprise operation, must be persistent, and always seek innovation and breakthroughs. Since 1993, we have implemented the 5S principle with every effort; later on, the no leakage policy, energy conservation and emissions reduction, and circular economy have been progressively promoted. We are currently focused on the AI implementation and preparations for initiating digital transformations.

1993 5S

- Uphold the spirit of “diligence, perseverance, frugality and trustworthiness, and strive for excellence.”
- Exert every effort in the implementation of 5S management principle: Seiri, Seiton, Seiso, Seiketsu, Shitsuke.

1999 No leakage

- Implementation of the no leakage policy: No steam leakage, no water leakage, and no oil leakage to become friendlier to the environment and increase rainwater recycling. In the beginning, recovered rainwater was not clean enough and only suitable for plants watering.
- Using Mailiao Industrial Complex as an example, an average of 19,486 MT of rainwater was collected each day in 2020, which is equal to saving USD 9,260/day in water charges or the domestic water consumption of the complex's 13,000 employees over 3 weeks.

2006 Energy conservation and emission reduction

- An enterprise-wide "Energy Conservation, Carbon Reduction, and Pollution Prevention Task Force" was established and became the foundation for subsequent efforts to achieve a circular economy.
- Using Mailiao Industrial Complex as an example, a total of 2,329 water saving and 8,214 energy conservation projects were completed as of 2020.
- Since 2006, we have invested a total of USD 1.10 billion, generating approximately USD 1.11 billion in benefits each year.

2016 Circular economy

- Further on, four aspects of circulation, namely raw materials, water resources, energy, and waste has been taken into consideration .
- Executing inter-factories, intercompany energy and resource integration to achieve better energy conservation, emission reduction, and efficiency of energy utilization.
- Taking water resource circulation in Mailiao Industrial Complex as an example, impurities have been removed from the recycled rainwater, thus can be further used in processes; for now, every drop of water is used 7.3 times.

2017 AI

- We donated USD 1 million to Academia Sinica at the end of 2017 to aid them in the establishment of an AI academy.
- A total of 406 employees received training as of the end of March 2021.
- Began optimizing industrial safety management and production processes to maximize productivity and energy efficiency.
- As of March 31, 2021, the Group has initiated 687 AI projects and expects to invest USD 65.2 million for an estimated annual benefit of USD 143.1 million. So far, 358 projects have been completed with USD 29.1 million invested for an annual benefit of USD 84.1 million.
- The future goal is for annual benefits to reach USD 700-1,000 million.

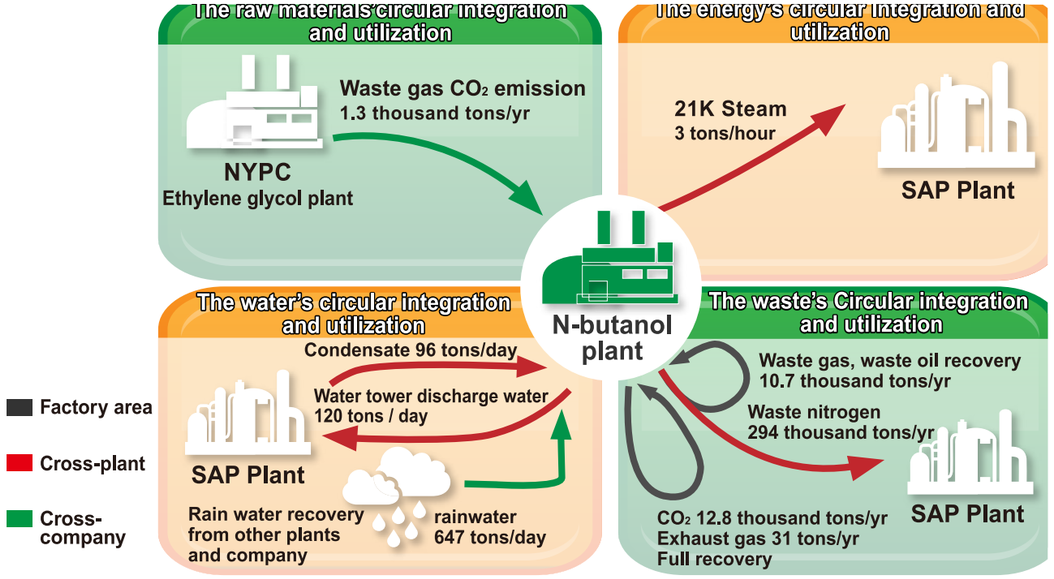
2021 February AI+ Simulation

- AI involves using Big Data to optimize the manufacturing process.
- Simulation refers to optimizing the manufacturing process by applying chemical engineering theories or its experimental data.
- It is necessary to consider the risks in the manufacturing process, so AI and simulation are integrated.
- For example, petrochemical companies optimize the procedure for propylene recycling via an AI-enabled operating system, and Formosa Chemicals & Fibre Corporation (FCFC) has established a simulation factory for aromatic hydrocarbons to enhance production efficiency.

Now Digital transformation

- Utilize all digital technologies (AI, big data, cloud, IoT, 5G) to optimize processes and improve business performance.
- On September 24, 2020, the chairman: We'll make every effort to promote digital transformation.

The concept of circular economy is to take the aspects of raw materials, water resources, energy, and waste into mutual consideration, and engage tremendous human and material resource to execute inter-factories and intercompany resource integration for energy conservation and emissions reduction (the schematic diagram shows the example of FPG's 1-Butanol plant).

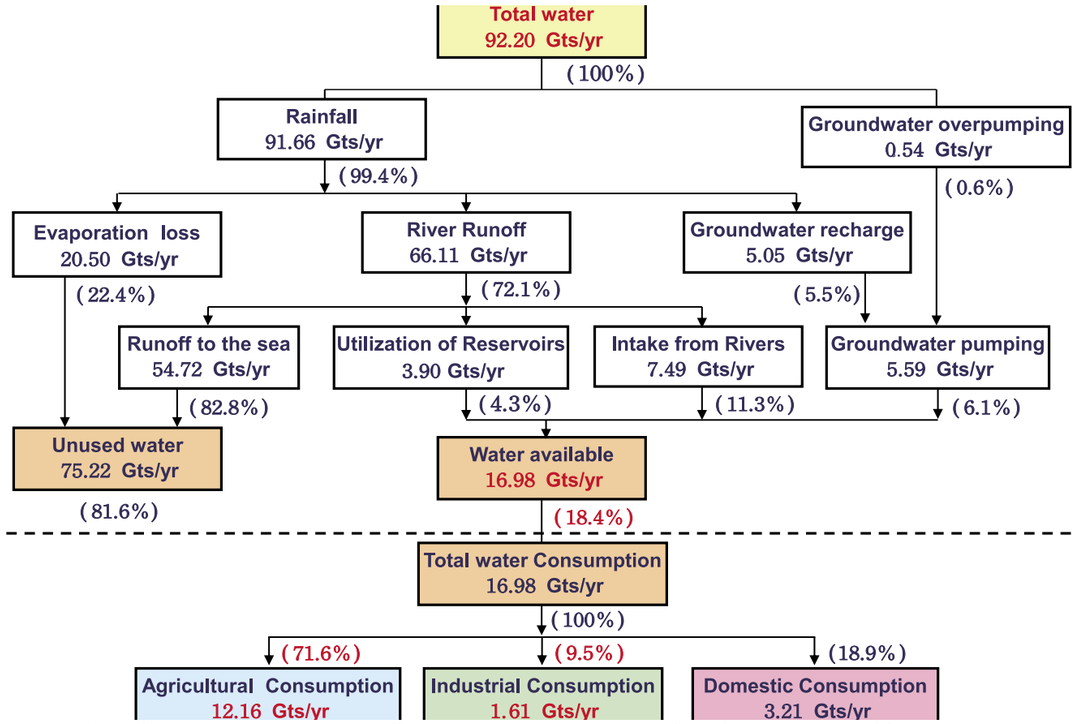


Item	Mailiao Industrial Complex coal-fired power generators				Natural gas power generators in Taiwan	
	National emission standards	Stricter standards adopted by Yunlin Country	Actual concentrations For average emissions		Actual emission concentration	National emission standards
			Before improvement	Improvement goal		
SOx (ppm)	60	25	14	10	0.33~0.55	20
NOx (ppm)	70	46	34	22	12.5~37.5	100
TSP (mg/Nm^3)	20	15	7	5	2.5~10.0	25

It is our belief that industrial developmentand environmental protection are equally important and can coexist. Therefore, Mailiao Industrial Complex invested USD 4.5 billion in advanced pollution prevention technology. In the case of air pollution prevention, coal used by the coal-fired power plant is transported and stored in a closed system to prevent fugitive coal dust. The discharged flue gas is treated by denitrification, desulfurization, and static dust precipitators to remove pollutants, and emitted pollutant concentration levels are far lower than the national standards. Our future goal is to keep improving till the emission level rival with those of natural gas power generators.

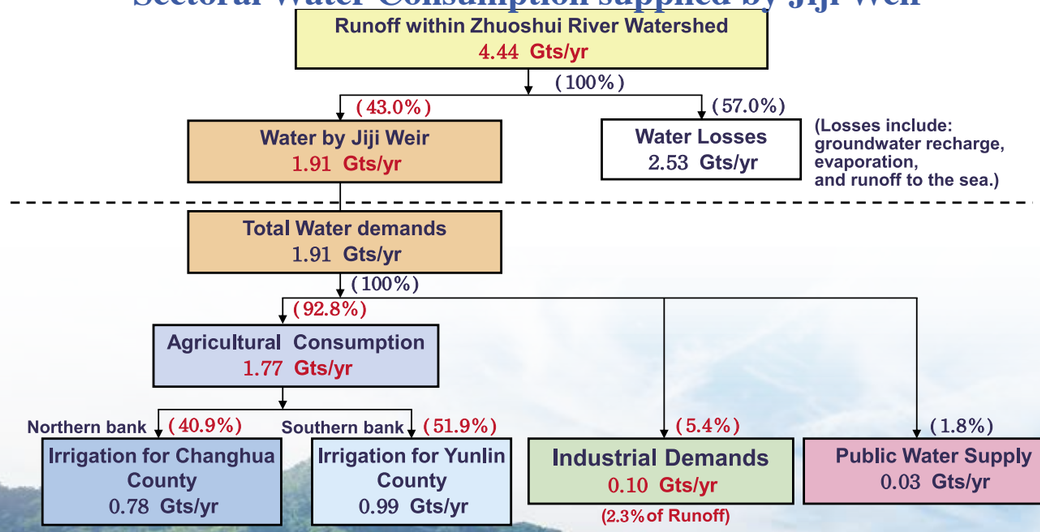
Wang Zhan-Yang Memorial Park in Mailiao Industrial Complex

Utilization of Water Resources in Taiwan



Source: Central Region Water Resources Office, Water Resources Agency, the value was averaged from 2002 to 2018 (the 2018 data were published in August, 2020).

Sectoral Water Consumption supplied by Jiji Weir



Source: Central Region Water Resources Office, Water Resources Agency, Ministry of Economic Affairs, the value was averaged from 2002 to 2020.

Jiji Weir

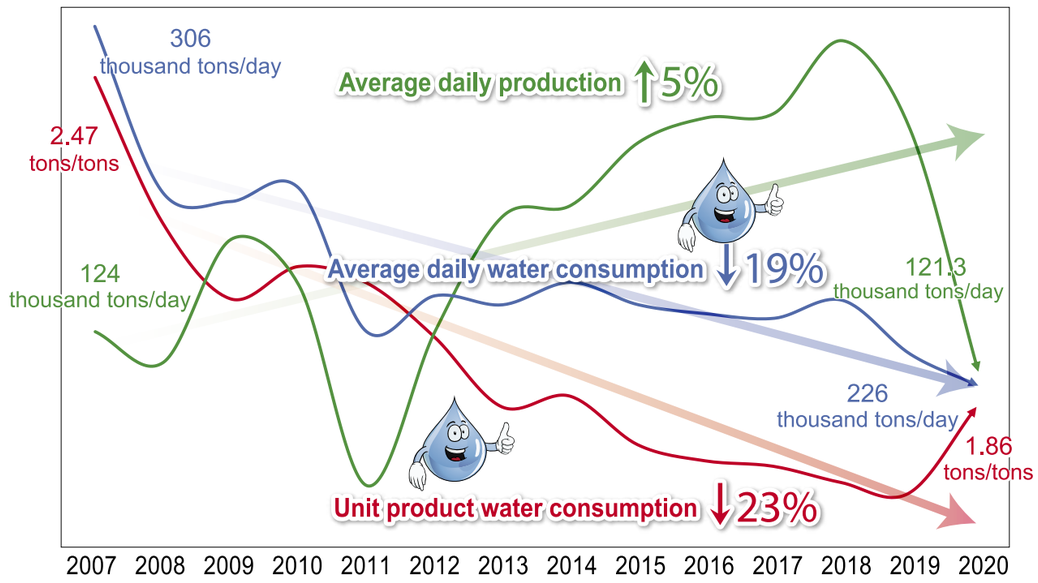
Implementation of a Circular Economy in Mailiao Industrial Complex

We established the enterprise-wide "Energy Conservation, Carbon Reduction, and Pollution Prevention Task force" in 2006 to assist factories making improvements. Later on, the idea was combined with the circular economy philosophy in 2016, and further expanded to inter-factories and intercompany integration. As of the end of 2020, we have invested a total of USD1.10 billion, which have generated approximately USD 1.11 billion benefits each year.

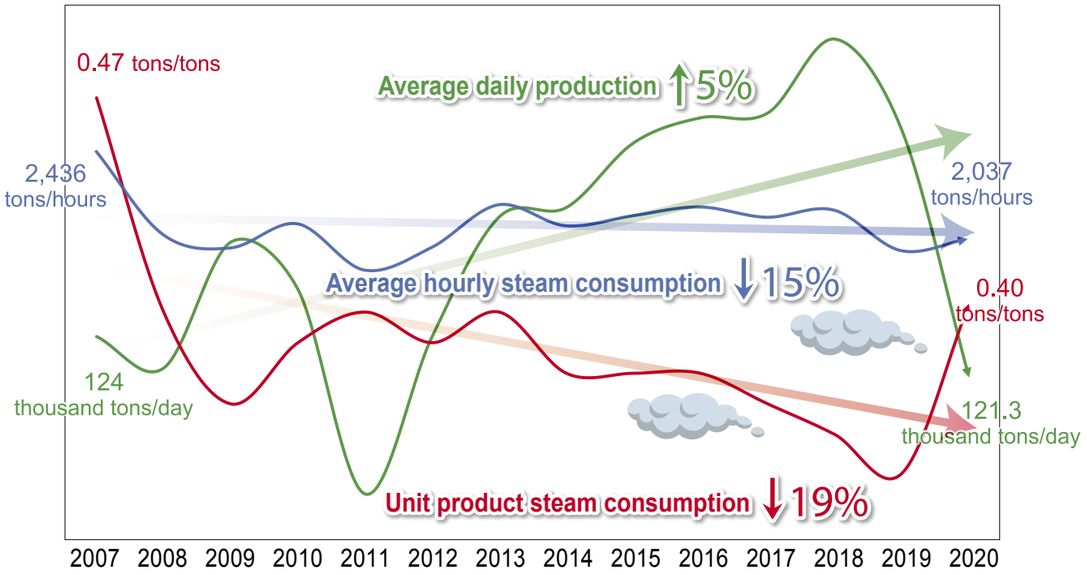
Among all effort in pursuing the circular economy, process water usage reduction, wastewater and rainwater recycling have reduced water consumption, and the water recycling rate reached 90.9%. A total of 2,329 water conservation projects were completed, saving approximately 105.26 million tons of water each year, which is equal to the annual water consumption of approximately 1.15 million people and is enough water to fill 46,782 Olympic-size swimming pools. Compared to the water consumption in 2007, while average daily production yield of the Sixth Naphtha Cracker Project increased by 5% in 2020, in the meantime, water consumption decreased by 19% and unit product water consumption decreased by 23%.

Furthermore, we are vigorously promoting the projects to increase energy efficiency, waste heat recycling, and energy usage integration between factories. As of the end of 2020, we have completed 8,214 energy conservation projects which are able to reduce steam consumption by 2,899.8 tons/hours and energy consumption by 289,400 kWh/hours; the energy saved is equal to reducing 11,536 million tons of CO_2 emission per year, the carbon absorption capacity of approximately 1.625 billion trees a year, or 31,094 times the annual carbon absorption capacity of Da'an Forest Park. Taking the examples of steam and energy saving results, while compared to those of 2007, the daily production rate in 2020 hast increased by 5%, steam and energy consumption have decreased by 15% and 13%, respectively; unit product steam and energy consumption have decreased by 19% and 17%, respectively.

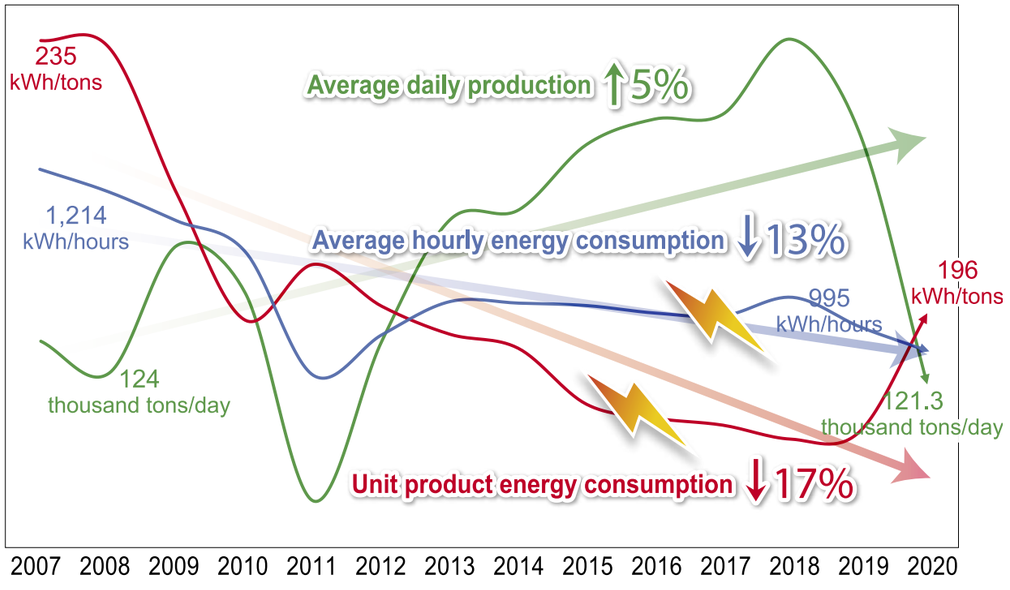
Water conservation results of Mailiao Industrial Complex



Steam conservation results of Mailiao Industrial Complex



Energy conservation results of Mailiao Industrial Complex



Mailiao Industrial Complex

OVERSEAS PRODUCTION BUSINESS

FPG Global Production Bases

US Region

In 1978, we began investing in production capability in the United States to supply petrochemical materials to the North American marketplace. We selected the United States as the location for our overseas investments because, in addition to rich natural resources and well-established legal, political, and economic systems, the country possessed an excellent infrastructure and a well-educated workforce.

After years of effort, Formosa Plastics Corporation, U.S.A. (FPCUSA), Nan Ya Plastics Corporation USA (NPCUSA), and Nan Ya Plastics Corporation, America (NPCA) were established. Presently, we own several large petrochemical plants, secondary and tertiary processing plants.

Began by producing polyvinyl chloride (PVC) resin and its related products, FPCUSA has its headquarters in Livingston, New Jersey and two chemical manufacturing sites in Baton Rouge, Louisiana and Point Comfort, Texas. To further vertically integrate our production, in 1990 we invested USD1.9 billion to build our first olefins plant and eight related petrochemical

Dongying city, Shandong

Nantong city, Jiangsu

Zhengzhou city, Henan

Changshu city, Jiangsu

Wuhu city, Anhul

Kunshan city, Jiangsu

Huizhou city, Guangdong

Ningbo city, Zhejiang

Zhongshan city, Guangdong

Xiamen city, Fujian

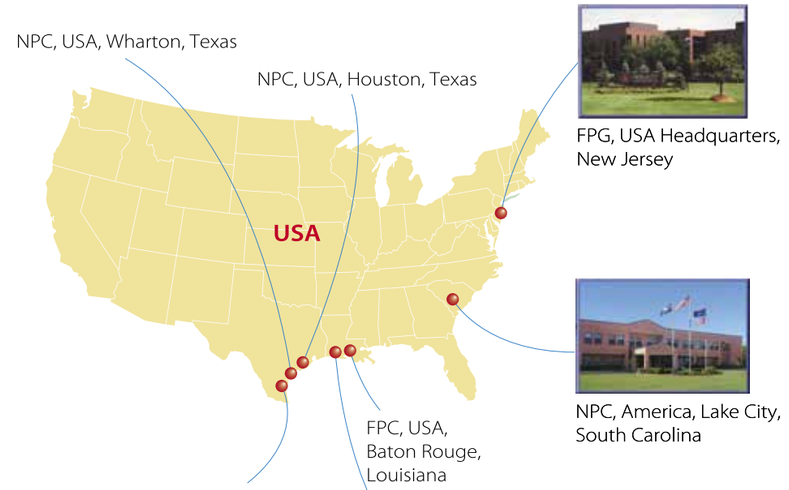
Semarang city, Indonesia

Guangzhou city, Guangdong

Zhangzhou city, Fujian

Plants Distribution in Taiwan

1. Taipei Headquarters
2. Linkou Plant
3. Gong San Plant
4. Hwa Ya Technology Park
5. Jingshin Plant
6. Shulin Plant
7. Yilan Plant
8. Long De Plant
9. Changhua Plant
10. Mailiao Industrial Complex
11. Douliu Plant
12. Xingang Plant
13. Chiayi Plant
14. Renwu Plant
15. Linyuan Plant



FPG, USA Headquarters, New Jersey

NPC, America, Lake City, South Carolina

FPC, USA, Baton Rouge, Louisiana

Vung Ang Economic Zone, Ky Anh Town, Ha Tinh Province, Vietnam

Nhon Trach 3 Industrial Zone, Dong Nai Province, Vietnam

Long-an Province Plants, Vietnam

FPC, USA, Point Comfort, Texas

NPC, America Point Comfort, Texas

NPC, America, Batchelor, Louisiana

NPC, Texas, Point Comfort, Texas

New Ethylene Glycol II plant in Point Comfort, TX

intermediate plants. In 1994, we successfully completed those facilities and added polyethylene and polypropylene resin products in our product lines. With the completion of the second olefins plant in early 2002, FPC USA is now a major U.S. supplier of PVC, polyethylene, polypropylene resins and caustic soda.

NPCUSA was founded in 1979. It produces PVC and A-PET rigid film in Wharton, Texas and SMC Door in Houston, Texas.

NPCA was founded in 1989 and produces PVC flexible film, ethylene glycol (EG), and polyester fiber in Batchelor, Louisiana, Point Comfort, Texas, and Lake City, South Carolina respectively.

Led by new technology advances in hydraulic fracturing and horizontal drilling, U.S. shale gas production has grown rapidly in recent years. To take full advantage of low-price natural gas and ensure our company's sustainable growth, we have completed the High Density Polyethylene III plant, Olefins III plant and polyolefin packaging plant construction and were put into operation in the second half of year 2019. The Low-Density Polyethylene and Ethylene Glycol II plants have successfully started up in Q4 2020. These new expansions will further improve the overall polyethylene and polyester product portfolios, which will enhance the competitiveness of the company.

China

China gradually opened its market to the world after the 1980s and attracted investments from companies around the world with its low labor costs and massive domestic market. FPG saw this development trend and began investing in China in 1994, starting with secondary processing for Nan Ya Plastics Corporation. We established the petrochemical materials zone in Ningbo City, Zhejiang Province in 2001 to meet the massive demand of China's processing industry, and established self-sufficient production in the upstream and midstream industries.

Fujian Fuxin Special Steel Co., Ltd., a joint venture between FPG, Formosa Heavy Industries, Sanming Steel (Group) Co., Ltd., and Japan's JFE Steel Corporation, has an annual production capacity of 720,000 tons of high-end stainless-steel rolls, including the 300 series, 400 series, and super-ferrite high-end stainless steel coils. To increase the added value of the products and better meet customers'needs, it planned to invest USD 500 million in the cold rolling mill with an annual production capacity of 300,000 tons, and will commence production in Q3 2021.

We currently have over ten production bases in China, located in Guangzhou, Xiamen, Nantong, Kunshan, Ningbo, Zhangshou, Zhongshan and Changshu and have invested in petrochemical materials, primary and secondary processing of plastics, electronic materials, heavy machinery, textiles and stainless steel.

Kunshan Plant

Fujian Fuxin Special Steel Co., Ltd

Formosa Ha Tinh Steel Corporation

Vietnam

In response to the high cost of textile products in Taiwan, FPG established textiles, fibers, and secondary plastics processing plants in Vietnam in 2001, and relocated a portion of its production units to Vietnam. We found new prospects for the industry and also adjusted our business structure for our long-term development.

Current investments in Vietnam include textiles, power generation, polyester fiber, BOPP, nylon chips, and nylon textile yarn. All of these investments are already in the mass production phase and Vietnam will become our main textiles and fiber production center in Asia.

Optimistic about Vietnam's steel market, geographic location, government policy, and ASEAN tariffs, FPG, China Steel Corporation, and Japan's JFE Steel Corporation set up the joint venture Formosa Ha Tinh Steel Corporation, and built an integrated steel mill in Vung-Ang Economic Zone, Ha Tinh Province, Vietnam and a deep water harbor in Son Duong District. It is currently the largest foreign direct investment project in Vietnam, and also the first integrated steel mill in Vietnam.

The total invested amount for phase one construction was approximately USD12.8 billion and two blast furnaces were planned. The two blast furnaces began production in 2017 and May 2018, respectively, and the annual production capacity of molten iron will reach 6.7 million tons. The main products of the plant include slabs, blooms, billets, hot-rolled steel coils, bars, and rods.

We constructed a deep-water harbor in Son Duong District and planned 11 berths that are all currently in use. The harbor meets the requirements for raw material imports and steel exports of Formosa Ha Tinh Steel Corporation.

The completion of phase one construction made Formosa Ha Tinh Steel Corporation the largest integrated steel mill in ASEAN. With Ha Tinh Province at the center, it has enabled Vietnam's steel industrial chain to flourish along with midstream and downstream industries. Exports to ASEAN countries have brought considerable economic benefits for Vietnam

The construction of the integrated steel mill, power plant, and harbor in Ha Tinh Province, Vietnam, will transform it into an industrial city with the greatest development potential in Asia. We plan to complete blast furnace No. 3 in the future, and the over 10 million ton production scale will develop Ha Tinh Province into a place of strategic importance to the international steel industry.

Son Duong Port

Ecological Park of Formosa Ha Tinh Steel Corporation

HEALTHCARE AND EDUCATION BUSINESS

Taken from the community, giving back to society

Chang Gung Memorial Hospital

Aiming "Take from the society, and give back to the society", FPG has established several medical and educational nonprofit organizations. Chang Gung Memorial Hospital was founded in 1976 when Taiwan was in great shortage of medical facilities, as there were only about 19 medical beds per 10,000 people, it was far lesser than 40 beds per 10,000 people standard in modernized nations. To address the problem, we built big hospitals in Taipei, Linkou, Keelung, Kaohsiung, Taoyuan, Chiayi and Yunlin. Chang Gung Medical Foundation also accepts government's commission to built and operate Kaohsiung Municipal Feng-Shan Hospital and New Taipei Municipal TuCheng Hospital. At present, Chang Gung treats 29,550 outpatients daily and has 9,000 beds available for inpatients. It is one of the largest, best equipped, and best-preformed general hospitals in the Far East.

To provide children with more professional medical care, Chang Gung Memorial Hospital established a major children medical center in Linkou and Kaohsiung in 1993 and 1994 respectively, with a total capacity of 800 inpatient beds. In order to attain the best efficiency for the use of medical resources, we founded Nursing Home in early 2001, and established Taoyuan Branch for both acute and chronic medical care in December of 2003, to target chronic medical and long-term nursing services and to provide people with complete medical treatments.

While the population of people over 65 years old has now exceeded 14% of total population, our health culture village has been completed and opened for service since January 2005 to provide an ideal community for elderly people to spend the rest of their lives. Furthermore, in order to promote Traditional Medicine by combining it with the modern and cientific-techniques and approaches of Western Medicine, we have established the first medical-center-grade Chinese medicine department in Taiwan. In order to optimize our medical services, we also established a cancer center to develop our critical-disease-based specialist medical service. We invested billions of dollars to set up the Asian first and largest proton radiation therapy center at Linkou Y.C.WANG Center for Advanced Medicine and the center started service since Nov 2015. We also set up YUNG-CHING Premier Cancer Therapy Center and provided proton radiation therapy at Kaohsiung branch since Oct 2018.

Corresponding to the insufficiency of medical resources in Yunlin and Chiayi areas, our Chiayi Branch started services by the end of 2001. It is the first hospital in Taiwan to apply full electronic medical records and enabled us to win the National Biomedical Technology Quality Award in 2003. Our Yunlin branch was opened in December 2009, aiming to provide the most suitable medical services for greater numbers of patients.

With 9,000 beds available for inpatients, it is one of the largest, best equipped, and best-performed general hospitals in the Far East.

Chang Gung Health and Culture Village

The local governor visited Chang-Gung Memorial Hospital at Linkou, to show his appreciation for the contribution of the hospital during the Covid-19 pandemic.

A special fund was set up to subsidize low-income and disabled patients with medical expenses and taken an active part in social welfare. In 2020, our subsidy exceeded USD 25.26 million.

Since founded in 1976, Chang Gung Memorial Hospital has paid great attention to both clinical and basic medical research. Based on established systems in research resources, we continuously devote our resources in recruiting potential scholars and physicians to set up branch research centers across all areas, and core laboratories, and research platforms.

The research centers include The research centers include The Institute of Stem Cell and Translational Cancer Research, Institute for Translational Research in Biomedicine, Kidney Research Center, Neuroscience Research

Proton radiation therapy center

The opening caremony Chang-Gung Robotic Surgery Training Center

Center, Center for Vascularized Composite Allotransplantation, Center for Shockwave Medicine and Tissue Engineering, Clinical Proteomics Core Laboratory, Center for Big Data Analytics and Statistics, Particle Physics and Irradiation Core Laboratory, Clinical Metabolomics Core Laboratory, Center for Artificial Intelligence in Medicine, Cancer Vaccine and Immune Cell Therapy Core Laboratory, Genomic & Proteomic Core Laboratory, Whole-Genome Research Core Laboratory of Human Diseases, Center for Artificial Intelligence in Medicine ,Tissue Bank, Biobank, Microscopy Core Laboratory, Laboratory Animal Center.

In 2020, Chang Gung Memorial Hospital invested USD129.8 million in 3,211 intra-funds and published 2,896 SCI qualified papers. The academic research results and published manuscripts contribute greatly in the academic fields.

Chang Gung Memorial Hospital Internation Medical Center

Scan QR Code to watch the video

Chang Gung University

Chang Gung University was established in April 1987 under the name of Chang Gung Medical College, with the aim of preparing future outstanding medical professionals. In order to support the economic development of the nation, Chang Gung Medical College later introduced the engineering and management programs to prepare young talents in these fields, and was renamed to Chang Gung College of Medicine and Technology. In August 1997, the Ministry of Education formally approved the name change to Chang Gung University. At present, Chang Gung University has three colleges: Colleges of Medicine, Engineering and Management and includes 19 departments (including the Bachelor Degree Program of Artificial Intelligence), 2 bachelor's degree programs(Bachelor Degree Program of Medical Science and International Program of Health Informatics and Management), 23 master's programs,7 master's degreeprograms, 12 doctoral programs, and 1 doctoral degree program. There are 573 full-time and 623 part-time faculties and preceptors currently. CGU has 6,811 students, including 5,099 undergraduate students and 1,712 postgraduate students.

Education

CGU is at the forefront of high-quality education. In order to educate and shape its students to be "diligent, perseverant, frugal, and trustworthy" and well-versed in both theory and practice, CGU continues improving the quality of education, equipment, and teaching, as well as to encourage students to engage in humanistic care.

Academic Research

With annual research funding of nearly 1.4 billion dollars, Chang Gung University's core research fields consist in biotechnology, medicine, engineering, and management. Besides continuing to research and develop key technologies in many disciplines, CGU's interdisciplinary research centers also help resolve global and domestic important issues by responding to the socio-economic development, change, and need. CGU has delivered stellar results. For example, at the onset of the COVID-19 outbreak, the Research Center for Emerging Viral Infections joined the National Pandemic Prevention Team and collaborated with international research teams to fight the pandemic. Another example is The Application of Pressure Sensor developed by the College of Engineering. This project was included in the Semiconductor Shooting Plan of the Ministry of Science and Technology, and its paper was listed among the 100 most downloaded papers from Scientific Reports in 2018. In terms of the overall academic performance, CGU was ranked 25th in the ARWU's Global Ranking of Academic Subjects 2020 – Nursing, which has topped all universities in Asia for 4 years in a row.

Furthermore, CGU was ranked by the Global Views Monthly as No.1 in academic research among all private universities in Taiwan. In addition, according to the University Impact Rankings of the Times Higher Education (THE), CGU was listed as No.10 in the world (No.2 in Taiwan) in Good Health and Well-being (SDG3), and among top 101-200 in the world (No.4 in Taiwan) in Partnership for the Goals (SDG17).Furthermore, according to the 2021 CWTS Leiden Ranking compiled by the Centre for Science and Technology Studies (Dutch: Centrum voor Wetenschap en Technologische Studies, CWTS) at Leiden University in the Netherlands, CGU took the 239th place globally (No.2 in Taiwan) in scientific impact, entering the world's Top 300 highly influential universities in science.

Ming Chi University of Technology

Ming Chi University of Technology was founded in 1963 as Ming Chi Institute of Technology, upgraded in 1999, and then approved for further transformation into a university in 2004. Currently, the University consists of Colleges of Engineering, Environment & Resources, and Management & Design, offering 11 M.A. programs, two Ph.D. programs and 10 departments. The University currently hosts 4,492 students and 195 faculty members. All the Departments and Graduate Institutes have passed the certifications of IEET (Institute of Engineering Education Taiwan)or ACCSB (Accreditation of Chinese Collegiate School of Business). Through the years, Ming Chi has been receiving excellent Ministry of Education evaluation results. In addition, Ming Chi ranked number five in 2020 for securing the highest per capita amount of MOST research projects among the technological colleges/universities nationwide, and number one among the private technological colleges/universities. Also, according to the data collected from Web of Science, Ming Chi was ranked number three in 2020 among all the technological universities and colleges in producing SCI/ SSCI papers per author by assistant professors and above. Based on the statistics released by the Ministry of Education, Ming Chi also ranked number three in 2018 among colleges/universities for its derived per capita amount of teacher intellectual property rights by assistant professors and above.

Semiconductor process laboratory

Since its establishment, Ming Chi has been a boarding school and implemented "co-op practical training" programs. Living on campus makes students keep a daily routine and become physically stronger. The system of interning outside the school for one year by combining theories and practices achieves the goal of holistic education, and cultivate talents with the attitude of diligence, perseverance, frugality and trustworthiness, and the abilities in integrating both theories and practices as well as life-long learning.

In these years, "industry-academia research and development" has been the focus of school development. Ming Chi ranked number three nationwide in 2020 for securing the highest per capita amount of Industry-Academia Cooperation Projects by assistant professors and above, and ranked number one among private technological colleges/universities. Also, Ming Chi ranked number five nationwide in the category of the average amount of funding per MOST project director.

Ming Chi has attempted to integrate interdisciplinary resources and has built nine featured research centers, including Research Center for Intelligent Medical Devices, Artificial Intelligence and Data Science Research Center and Environmental Sustainability and Human Health Research Center, etc. It is expected that, by closely cooperating with industries, Ming Chi will achieve a "win-win situation" achieving educational goals and improving industrial technological force.

Chang Gung University of Science and Technology

Group founders the Wang brothers established the Chang Gung Institute of Nursing in 1988 to increase the number and quality of nursing personnel. The institute initially offered two-year and five-year clinical nursing courses to provide education and training for clinical nursing personnel. Since 1995, the institute has offered free tuition to five-year nursing students of aboriginal background to provide them with education and employment opportunities. To enhance the level of vocational education, the institute was restructured in 2002 into the Chang Gung Institute of Technology (CGIT). In August 2011, CGIT was again renamed, to Chang Gung University of Science and Technology (CGUST). Presently, the university has two colleges: Nursing and Human Ecology, under which there are three graduate schools, six departments, and one division. The University currently has approximately 316 full-time teachers, and has more than 6,333 students enrolled.

To enhance ties with the industry and promote academic research, the University strongly encourages and supports teachers participating in applying research projects and cooperating with industry. CGUST established Taiwan's first domestic nursing Clinical Competency Center, Research Center for Food and Cosmetic Safety, Research Center for Chinese Herbal Medicine, Chronic Diseases and Health Promotion Research Center, and Aging and Long-Term Care Research Center. In a recent accreditation for University of Technology by the Ministry of Education, our institutional accreditation was accredited, valid for 5 years. The registration rate and graduate employment rate were outstanding among all universities.

CGUST upholds its motto, "Diligence, Perseverance, Frugality, and Trustworthiness" and our educational philosophy: "be human-oriented; derive truth from facts." Our vision, founded on a core development principle of providing healthcare, is to be a top-tier university and a high quality institution for the teaching of healthcare that pursues teaching excellence, provides employment for graduates, and endows industries with the best professionals.

Education base for Elder Long-term-care industry / HTC VR Leaening Experience

Major Products and Sales Departments

PETROLEUM PRODUCTS

Product	Capacity (Y)	Company	Division	Tel	FAX
Gasoline	6,000,000KL	FPCC	International Trading Dept.	02-27122211#7280	02-27189001
			Oil Product Division	02-27129038 02-27129228 02-27129387 02-27129070	02-27129848
Diesel	10,000,000KL	FPCC	International Trading Dept.	02-27122211#7236	02-27189001
			Oil Product Division	02-27129038 02-27129228 02-27129387 02-27129070	02-27129848
Aviation fuel/kerosene	2,500,000KL	FPCC	International Trading Dept.	02-27122211#7235	02-27189001
			Oil Product Division	02-27122211 #7491/7492	02-27178383
Fuel Oil	1,000,000KL	FPCC	International Trading Dept.	02-27122211#7241	02-27189001
			Oil Product Division	02-27122211 #7701/7705	02-27178383
LPG	730,000MT	FPCC	International Trading Dept.	02-27122211#7280	02-27189001
			Oil Product Division	02-27122211#7703	02-27178383
Lube Base Oil	650,000MT	FPCC	International Trading Dept.	02-27122211#7243	02-27189001
Food Grade White Oil	50,000MT	FPCC	International Trading Dept.	02-27122211#7243	02-27189001

PETROCHEMICALS & CHEMICAL PRODUCTS

Product	Capacity (MT/Y)	Company	Division	Tel	FAX
PVC Resin	1,315,000	FPC	Plastics Div.	02-27172211#6099	02-27137012
VCM	1,644,000	FPC	Plastics Div.	02-27178123	02-27135423
Caustic Soda (liquid)	1,700,000	FPC	Plastics Div.	02-27172211#6097	02-27137012
Caustic Soda (flake)	50,000	FPC	Plastics Div.	02-27172211#6097	02-27137012
Micro Prills Caustic Soda	100,000	FPC	Plastics Div.	02-27172211#6097	02-27137012
Chlorine	366,700	FPC	Plastics Div.	02-27178546	02-27137012
Hydrochloric Acid	126,700	FPC	Plastics Div.	02-27178129	02-27137012
MBS	21,480	FPC	Plastics Div.	02-27178130	02-27137012
Chlorosolvents	48,900	FPC	Plastics Div.	02-27178131	02-27137012
Processing Aids	12,530	FPC	Plastics Div.	02-27178130	02-27137012
Lithium-ion battery electrolyte	1,200	FPC	Plastics Div.	02-27178129	02-27137012
HDPE	566,000	FPC	Polyolefin Div.	02-27122211#6638	02-27178176
EVA	240,000	FPC	Polyolefin Div.	02-27122211#6638	02-27178176
LLDPE	264,000	FPC	Polyolefin Div.	02-27122211#6638	02-27178176
AA	147,000	FPC	Tairylan Div.	02-27122211#6109	02-27134818
NBA	250,000	FPC	Tairylan Div.	02-27122211#6208	02-27134818
SAP	120,000	FPC	Tairylan Div.	02-27122211#6211	02-27134818

Product	Capacity (MT/Y)	Company	Division	Tel	FAX
AN	280,000	FPC	Chemicals Div.	02-27122211#7115	02-27178340
ACN	6,600	FPC	Chemicals Div.	02-27122211#6754	02-27178340
MMA	98,000	FPC	Chemicals Div.	02-27122211#7111	02-27178340
MAA	20,000	FPC	Chemicals Div.	02-27122211#7111	02-27178340
ECH	100,000	FPC	Chemicals Div.	02-27122211#7109	02-27178340
MTBE	174,000	FPC	Chemicals Div.	02-27122211#7109	02-27178340
B-1	32,000	FPC	Chemicals Div.	02-27122211#7115	02-27178340
Lime	250,400	FPC	Calcium Carbide Div.	02-27122211#6153	02-27193261
Calcium Carbonates	258,000	FPC	Calcium Carbide Div.	02-27122211#6155	02-27193261
Taical	14,400	FPC	Calcium Carbide Div.	02-27122211#6153	02-27193261
White masterbatch, Calcium carbonate masterbatch	27,420	FPC	Calcium Carbide Div.	02-27122211#6155	02-27193261
Light Master Batch	36,000	FPC	Calcium Carbide Div.	02-27122211#6153	02-27193261
PP	474,000	FPC	Polypropylene Div.	02-27133655	02-27181230
POM	45,000	FPC	Polypropylene Div.	02-27133655	02-27181230
PTMG	21,000	FASC	Business Div.	02-27122211#6794	02-27128718
BPA	420,000	Nan Ya	Petrochemicals 2nd Div.	02-27178244	02-27138248
1,4BG/THF	120,000	Nan Ya	Petrochemicals 2nd Div.	02-27178244	02-27138248
H_2O_2	20,000	Nan Ya	Petrochemicals 2nd Div.	02-27178244	02-27138248
ESO	20,000	Nan Ya	Petrochemicals 2nd Div.	02-27178244	02-27138248
Plastic Stabilizer	12,000	Nan Ya	Petrochemicals 2nd Div.	02-27178244	02-27138248
MA	60,000	Nan Ya	Petrochemicals 2nd Div.	02-27178244	02-27138248
Plasticizers	427,000	Nan Ya	Petrochemicals 1st Div.	02-27122211#5721	02-27178534
THPA/HHPA	21,600	Nan Ya	Petrochemicals 1st Div.	02-27122211#5721	02-27178534
PA	228,000	Nan Ya	Petrochemicals 1st Div.	02-27122211#5721	02-27178534
2EH	200,000	Nan Ya	Petrochemicals 1st Div.	02-27122211#5721	02-27178534
INA	115,000	Nan Ya	Petrochemicals 1st Div.	02-27122211#5721	02-27178534
EG	1,520,000	Nan Ya	Petrochemicals 3rd Div.	02-27122211#6880	02-25475259
Benzene	1,330,000	FCFC	Petrochemicals 1st Div.	02-27122211#5475	02-27180358
PX	1,970,000	FCFC	Petrochemicals 1st Div.	02-27122211#5475	02-27180358

Product	Capacity (MT/Y)	Company	Division	Tel	FAX
OX	480,000	FCFC	Petrochemicals 1st Div.	02-27122211#5475	02-27180358
MX	100,000	FCFC	Petrochemicals 1st Div.	02-27122211#5475	02-27180358
SM	1,320,000	FCFC	Petrochemicals 2nd Div	02-27122211#5561	02-27127173
Phenol	440,000	FCFC	Petrochemicals 2nd Div	02-27122211#5561	02-27127173
Acetone	271,000	FCFC	Petrochemicals 2nd Div	02-27122211#5561	02-27127173
PTA	1,700,000	FCFC	Petrochemicals 3rd Div.	02-27122211#5580	02-25148198
PIA	200,000	FCFC	Petrochemicals 3rd Div.	02-27122211#5580	02-25148198
PS	340,000	FCFC	Plastics Div.	02-27178405	02-27131649
ABS	450,000	FCFC	Plastics Div.	02-27178405	02-27131649
PP	640,000	FCFC	Plastics Div.	02-27178355	02-25471382
PC	220,000	FCFC	FIPC	02-27122211#6617	02-25473133
Ethylene	2,935,000	FPCC	Olefin Div.	02-27122211 #6762/6763/6764	02-87128789
Propylene	2,367,500	FPCC	Olefin Div.		
Butadiene	447,000	FPCC	Olefin Div.		
Isoprene	60,800	FPCC	Olefin Div.		
Electron-grade hydrofluoric acid	20,000	FDAC	Business Div.	02-27122211#7403	02-27129281
NH4F	5,200	FDAC	Business Div.	02-27122211#7403	02-27129281
Buffer hydrofluoric acid	1,800	FDAC	Business Div.	02-27122211#7403	02-27129281
HAC	300,000	Formosa INEOS Chemicals Corp.	Business Div.	02-27122211#6575	02-27180053

PLASTICS

Product	Capacity (MT/Y)	Company	Division	Tel	FAX
Flexible PVC Film	118,800	Nan Ya	Plastics 1st Div.	02-27178202	02-27178532
Rigid PVC Film	48,000	Nan Ya	Plastics 1st Div.	02-27178214	02-27126113
Metallized Film	6,000	Nan Ya	Plastics 1st Div.	02-27178214	02-27126113
A-PET Film	22,800	Nan Ya	Plastics 1st Div.	02-27178214	02-27126113
PP Synthetic Paper	39,600	Nan Ya	Plastics 1st Div.	02-27178214	02-27126113
Rigid PVC Pipe	174,000	Nan Ya	Plastic 3rd Div.	02-27178231	02-25140628
Extruded Products	22,300	Nan Ya	Plastic 3rd Div.	02-27178226	02-25140628
Injected Products	18,000	Nan Ya	Plastic 3rd Div.	02-27178231	02-25140628
Plastic Pallet	19,500	Nan Ya	Plastic 3rd Div.	02-27178173	02-25140628
PVC Plate	25,700	Nan Ya	Plastic 3rd Div.	02-27178226	02-25140628

Product	Capacity (MT/Y)	Company	Division	Tel	FAX
Wrap Film	11,500	Nan Ya	Plastic 3rd Div.	02-27178233	02-27166899
PVC Tile	11,900,000m^2	Nan Ya	Plastic 3rd Div.	02-27178226	02-25140628
BOPP & CPP Film	74,400	Nan Ya	Plastic 3rd Div.	02-27178233	02-27166899
PVC Compound	53,500	Nan Ya	Plastic 3rd Div.	02-27178229	02-25140628
PU Leather	3.6 million yards	Nan Ya	Plastics 1st Div.	02-27178248	02-27126113
TPU Film & TPU Synthetic Leather	2.88 million yards	Nan Ya	Plastics 1st Div.	02-27178292	02-27126113
Synthetic Raw Materials	12,000	Nan Ya	Plastics 1st Div.	02-27178292	02-27126113
Non Woven	7.2 million yards	Nan Ya	Plastics 1st Div.	02-27178292	02-27126113
SMC (Sheet Molded Compound)	27,000	Nan Ya	Plastic 3rd Div.	02-27178507	02-27198661
Engineering Plastics	24,000	Nan Ya	Plastic 3rd Div.	02-27178507	02-27198661
Unsaturated Polyester Resin	24,000	Nan Ya	Plastic 3rd Div.	02-27178507	02-27198661
Vinyl Windows & Doors	12,400	Nan Ya	Plastics 2nd Div.	02-27178169	02-27178512
SMC Door	14,800	Nan Ya	Plastics 2nd Div.	02-27178169	02-27178512
SMC Fire proof Door	2,000	Nan Ya	Plastics 2nd Div.	02-27178169	02-27178512
PE Bag	8,400	Inteplast Taiwan	Business Div.	02-27178113	02-27193262

FIBER, TEXTILE AND DYEING

Product	Capacity(Y)	Company	Division	Tel	FAX
Spandex	5,000MT	FASC	Business Div.	02-27122211 #6795	02-27128718
Polyester Staple Fiber	134,700 MT	Nan Ya	Polyester Fiber Div.	02-27178324	02-25454065
Polyester Chips	600,000 MT	Nan Ya	Polyester Fiber Div.	02-27178324	02-25454065
Polyester Spin Drawn Yarn	75,000 MT	Nan Ya	Polyester Fiber Div.	02-27178324	02-25454065
Polyester POY	228,600 MT	Nan Ya	Polyester Fiber Div.	02-27178324	02-25454065
Polyester Textured Yarn	106,300 MT	Nan Ya	Polyester Fiber Div.	02-27178324	02-25454065
Polyester Dyed Yarn	7,200MT	Nan Ya	Polyester Fiber Div.	02-27178324	02-25454065
SPP Chip	240,840 MT	Nan Ya	Polyester Fiber Div.	02-27178324	02-25454065
PET Film	94,800MT	Nan Ya	Polyester Film Div.	02-27178329	02-25454065
Polyester Release Film	240,000KSM	Nan Ya	Polyester Film Div.	02-27178333	02-25454065
Polyester Woven Fabric	18,000KY	Nan Ya	Polyester Fiber Div.	02-27178346	02-27124448
Knitted Fabric	1,800MT	Nan Ya	Polyester Fiber Div.	02-27178346	02-27124448
Rayon Staple Fiber	78,840MT	FCFC	Rayon Div.	02-27178358	02-27175283
Blended Spun Yarn	32,400 bales	FCFC	Textile Div.	02-27178367	02-27178544
Nylon 6 Chip	84,000MT	FCFC	Nylon Div.	02-27178371	02-27175285
Nylon 6 Filament for Textile Use	24,000MT	FCFC	Nylon Div.	02-27178371	02-27175285
Nylon 6 Stretch Yarn	4,560MT	FCFC	Nylon Div.	02-27178371	02-27175285
Nylon 6 Filament for Industrial Use	36,000MT	FCFC	Nylon Div.	02-27178371	02-27175285
Carpet Roll	1,200,000 ping	FCFC Carpet Corp.	Business Div.	02-27178552	02-27182221
Carpet Tile	600,000 ping	FCFC Carpet Corp.	Business Div.	02-27178552	02-27182221

ELECTRONICS

Product	Capacity(Y)	Company	Division	Tel	FAX
Distributed Computer Control System	36 ST	FPC	Electronic Materials Div.	07-3711411 #5163	07-3727026
Printed Circuit Board, IC substrate	5,760K sft	Nan Ya PCB	Sales Dept.	03-3223751 #1037	03-3223802
Copper-clad Laminates	27.96 million sheets	Nan Ya	Electronic Materials Div.	02-27178261	02-27178260
Copper Foil	33,600 MT	Nan Ya	Electronic Materials Div.	02-2712211 #5828	02-27182258
Epoxy Resin	220,000 MT	Nan Ya	Electronic Materials Div.	02-27178258	02-27182258
Glass Fabrics	270 million meters	Nan Ya	Electronic Materials Div.	02-27122211 #5831	02-27182258
STN-LCD,Touch Panel	600,000 PCS	Nan Ya	Electronic Materials Div.	03-3223751 #2713	03-3125803
Glass Yarn for Electronic Use	80,000 MT	PFG Fiber Glass Corporation	Business Div.	02-27178502	02-27189468
Chopped Strand & Roving	15,000 MT	PFG Fiber Glass Corporation	Business Div.	02-27178502	02-27189468
8 inch Silicon Wafer	3,960,000 PCS	Formosa Sumco Technology	Business Div.	02-27122211 #6113	02-27178567
12 inch Silicon Wafer	3,600,000 PCS	Formosa Sumco Technology	Business Div.	02-27122211 #6113	02-27178567
DRAM	840,000 PCS	Nanya Technology	Sales Div.	02-2904-5858 #6320	02-2908-0326
LED Hazardous Location Lights	74 thousand sets	Nan Ya Photonics, Inc.	Sales Dept.	02-27122211 #5908	02-27199187
			Overseas Markets Development Dept.	02-27122211 #5916	02-27199187
LED Industrial Lights (Flooding Lights/Bay Lights/Street Lights)	20 thousand sets	Nan Ya Photonics, Inc.	Sales Dept.	02-27122211 #5908	02-27199187
			Overseas Markets Development Dept.	02-27122211 #5916	02-27199187
LED Commercial Lights (Panel Lights/Tube/ Downlights)	284 thousand sets	Nan Ya Photonics, Inc.	Sales Dept.	02-27122211 #5908	02-27199187
			Overseas Markets Development Dept.	02-27122211 #5916	02-27199187
PV System	Project based	Nan Ya Photonics, Inc.	International Trading & Marketing Dept.	02-27122211 #5918	02-27185596
UV System	Project based	Nan Ya Photonics, Inc.	Engineering & Construction Service Div.	02-26806311 #5560	02-26689494
Security Monitor System	Project based	Nan Ya Photonics, Inc.	Engineering & Construction Service Div.	02-26806311 #5560	02-26689494

OTHERS

Product	Capacity(Y)	Company	Division	Tel	FAX
Switch Gear & Control Panel	4,500 ST	Nan Ya	Engineering Div.	02-27122211 #6329~6337	02-27178530
Cast Resin Transformer	660,000 KVA	Nan Ya	Engineering Div.	02-27122211 #6329~6337	02-27178530
Vacuum Contactor Switch	720 ST	Nan Ya	Engineering Div.	02-27122211 #6329~6337	02-27178530
Gear Reducer	1,000 ST	Formosa Heavy Industries	Gear Div.	07-3738164	07-3721748
Large Precision Gear	4,000 PCS	Formosa Heavy Industries	Gear Div.	07-3738164	07-3721748
Petrochemical Process Equipment/ Power Plant Auxiliary Equipment	30,000 MT	Formosa Heavy Industries	Machinery Div.	07-3711411#5276	07-3717476
Automatic Storage/ Retrieval System	20 ST	Formosa Heavy Industries	Automation Div.	07-37111411 #5902~5904 02-27122211 #6158,6159	07-3715148 02-27135519
Rubber Roller	3,000 PCS	Formosa Heavy Industries	Rubber Div.	07-3738165	07-3719801
Rubber and Flake Lining	9,000 m^2	Formosa Heavy Industries	Rubber Div.	07-3738165	07-3719801
Hard Chrome Plating Hot Grinding, Polishing for Metal Roll	150 PCS	Formosa Heavy Industries	Rubber Div.	07-3738165	07-3719801
Cogeneration System and Power Generation Equipment	8 ST	Formosa Heavy Industries	Cogeneration Div.	07-3711411 #6406~6407	07-3721833
Cooling Tower	60 ST	Formosa Heavy Industries	Cogeneration Div.	05-6812130	05-6812576
Air Quality Control System(AQCS)	10 ST	Formosa Heavy Industries	Cogeneration Div.	07-3711411 #6406~6407	07-3721833
Alkyl Benzene Sulphonic Acid	24,000 MT	Formosa Biomedical Co.	Business 1st Div.	02-27122211#8353	02-27178381
Detergent Powder	18,000 MT	Formosa Biomedical Co.	Business 1st Div.	02-27122211#8353	02-27178381
Detergent Liquid	34,500 MT	Formosa Biomedical Co.	Business 1st Div.	02-27122211#8353	02-27178381
Personal Clean Products	6,480 MT	Formosa Biomedical Co.	Business 1st Div.	02-27122211#8353	02-27178381
Skin Care Products	3,456,000 PC	Formosa Biomedical Co.	Business 2nd Div.	02-27122211#7829	02-27178381
Diagnostic Products	6 million Tests	Formosa Biomedical Co.	Business 3rd Div.	02-27122211#7824	02-27178381
Lithium iron battery pack Energy Storage System	30 MWH	Formosa Biomedical Co.	Energy Div	02-27122211#7926	02-27178381
Water Treatment Chemical	2,000 MT	Formosa Waters Tech Co.	Sales Development Div.	02-27122211 #7873/6677	02-27178381

MAJOR PRODUCTS OF US COMPANIES

Product	Capacity (MT/Y)	Company	Tel	Fax
PVC Resin	1,461,920	FPC-USA	1-973-992-2090	1-973-422-7724
VCM	1,432,119	FPC-USA	1-973-992-2090	1-973-422-7724
Caustic Soda	1,061,258	FPC-USA	1-973-992-2090	1-973-422-7723
Chlorine	940,397	FPC-USA	1-973-992-2090	1-973-422-7723
EDC	1,224,172	FPC-USA	1-973-992-2090	1-973-422-7723
Ethylene	1,683,113	FPC-USA	1-973-992-2090	1-973-716-7230
	1,324,503	FOL	1-973-992-2090	1-973-716-7230
Propylene	390,000	FPC-USA	1-973-992-2090	1-973-716-7230
HDPE	864,238	FPC-USA	1-973-992-2090	1-973-422-7737
	438,080	FIC	1-973-992-2090	1-973-422-7737
PP	923,841	FPC-USA	1-973-992-2090	1-973-422-7856
LLDPE	430,464	FPC-USA	1-973-992-2090	1-973-422-7737
LDPE	438,080	FPC-USA	1-973-992-2090	1-973-422-7737
EG (EG-I)	396,000	NPC-A	1-843-389-7800	1-843-389-6889
EG (EG-II)	894,250	NPC-TX	1-843-389-7800	1-843-389-6889
Fiber Grade Polyester Chip	270,000	NPC-A	1-843-389-7800	1-843-389-6889
Bottle Grade PET Chip	378,000	NPC-A	1-843-389-7800	1-843-389-6889
Polyester Staple Fiber	216,000	NPC-A	1-843-389-7800	1-843-389-6889
Partially Orientated Yarn	144,000	NPC-A	1-843-389-7800	1-843-389-6889
Polyester Spin Drawn Yarn	18,000	NPC-A	1-843-389-7800	1-843-389-6889
Polyester Textured Yarn	13,200	NPC-A	1-843-389-7800	1-843-389-6889
Flexible PVC Film	48,000	NPC-A	1-225-492-2141	1-225-492-2818
Rigid PVC Film	88,800	NPC-USA	1-281-727-7300	1-281-727-7309
A-PET Rigid Film	10,800	NPC-USA	1-281-727-7300	1-281-727-7309
SMC Door	40,000 Units	NPC-USA	1-713-674-7822	1-713-674-7823
Ethane/Propane/Butane	37,461,209 BBL	FHC	1-361-987-8900	1-361-987-2283

MAJOR PRODUCTS OF CHINA COMPANIES

Product	Capacity(MT/Y)	Company	Tel	FAX
PVC Resin	470,000	Formosa Industries (Ningbo)	86-574-86902999 #3131	86-574-86902999 #3127
AA	340,000	Formosa Industries (Ningbo)	86-574-86902999 #3151	86-574-86902967
SAP	100,000	Formosa Industries (Ningbo)	86-574-86902999 #3365	86-574-86902987
PP	522,000	Formosa Industries (Ningbo)	86-574-86902999 #2711	86-574-86902983
EVA	72,000	Formosa Industries (Ningbo)	86-574-86902999 #3019	86-574-86029999 #3975
Distributed Computer Control System	12 ST	Formosa Electronics (Ningbo)	86-574-86902999 #3683	86-574-86902939
Lithium-ion battery electrolyte	8,500	Formosa Mitsui Advanced Chemicals (Ningbo) CO., LTD.	86-574-86902999 #3403	owenliao@fpc.com.tw
Hot (cold) rolling of Stainless Steel plate/Coil	720,000	Fujian Fuxin Special Steel	0596-6057000	86-596-6057889

Product	Capacity(MT/Y)	Company	Tel	FAX
Flexible PVC Film	46,800	Nan Ya Plastics (Guangzhou)	86-20-36413900 #2806	86-20-36413900-28053
	42,000	Nan Ya Plastics (Nantong)	86-513-85291811 #111	86-513-85291903
Flexible PVC Film for Building Material	24,000 KY	Nan Ya Kyowa Plastics (Nantong)	86-513-85291811 #262	86-513-85291963
PVC Leather	21,600 KY	Nan Ya Plastics (Guangzhou)	86-20-36413900 #2806	86-20-36413900-28053
	25,200 KY	Nan Ya Plastics (Nantong)	86-513-85291811 #112	86-513-85291903
PU Leather	14,000 KY	Nan Ya Synthetic Leather (Nantong)	86-513-89100128	86-513-85284989
	12,000 KY	Nan Ya Plastics (Huizhou)	86-752-6926202	86-752-6926888-62021
PVC Casting	10,200 KY	Nan Ya Plastics (Huizhou)	86-752-6926202	86-752-6926888-62021
Aluminum Laminated Film	26,664 K square meters	Nan Ya Plastics (Nantong)	86-513-85291811 #305	86-513-85284989
Rigid PVC Film	52,800	Nan Ya Plastics Construction Materials (Nantong)	86-513-85291811 #613	86-513-85291575
	38,400	Nan Ya Rigid Film (Guangzhou)	86-20-36413262	86-20-36413360
Metallized Rigid PVC Fill	4,800	Nan Ya Rigid Film (Guangzhou)	86-20-36413262	86-20-36413360
Engineering Plastics	14,400	Nan Ya Plastics (Huizhou)	86-752-6926210	86-752-6926699
Rigid PVC Pipe	49,700	Nan Ya Plastics (Xiamen)	86-592-6510371#150	86-592-6518907
	82,200	Hua Ya Wu Hu Plastic	86-553-5841111	86-553-5843939
	73,200	Hua Ya Dongying Plastic	86-546-8305238	86-546-8307178
	21,100	Nan Ya Plastics (Guangzhou)	86-20-36413900 #5801	86-20-36416205
	38,600	Nan Ya Plastics (Zhengzhou)	86-371-66777888	86-371-66777889
PVC Fitting	12,700	Nan Ya Plastics (Xiamen)	86-592-6510371 #150	86-592-6518907
Plasticizer (DOTP)	150,000	NanYa Plastics (Ningbo)	86-574-86902999 #6060	86-574-8602-9999 #6003
BPA	186,000	NanYa Plastics (Ningbo)	86-574-86902999 #6060	86-574-8602-9999 #6003
PVC Film	21,000	Nan Ya Plastics (Nantong)	86-513-85291811 #291	86-513-85281936
	6,000	Nan Ya Plastics (Huizhou)	86-752-6926104 #6850	86-752-6926888 #68501
PVC Compound	12,000	Nan Ya Plastics (Guangzhou)	86-20-36413900 #5801	86-20-36416205
Switchgear & Control Panel	4,000 ST	Nan Ya Electric (Nantong)	86-513-85291811 #669~673	86-513-85291575 #500

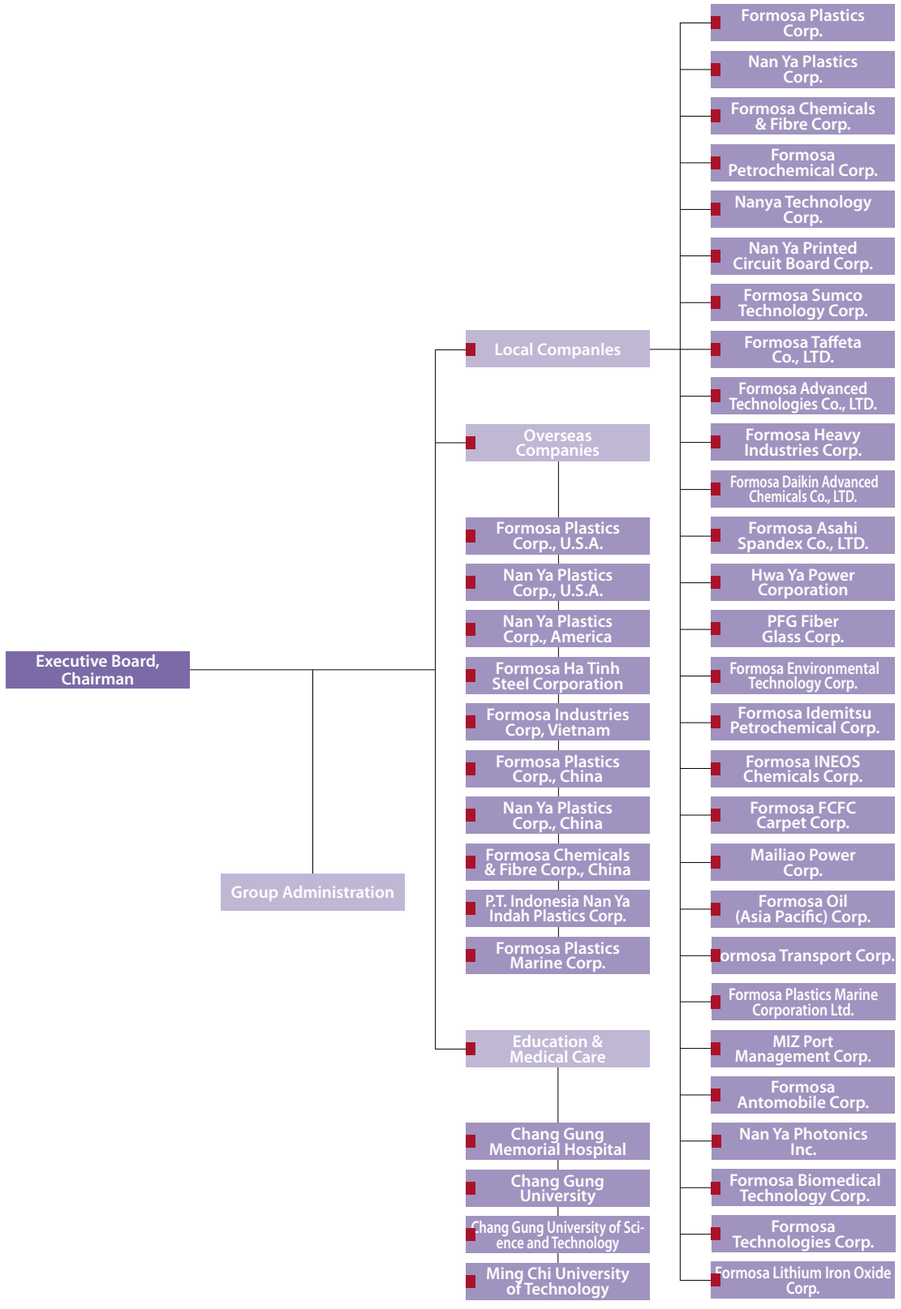
Product	Capacity(MT/Y)	Company	Tel	FAX
Copper Clad Laminates	32.4 million sheets	Nan Ya Electric Materials (Kunshan)	86-512-57357080 #3188	86-512-57357081 #31861
	12 million sheets	Nan Ya Electric Materials (Huizhou)	86-752-6926780	joeshih@npc.com.tw
Glass Fabrics	324 million meters	Nan Ya Electric Materials (Kunshan)	86-512-57357080 #3333	86-512-57357081 #33332
Copper Foil	55,200	Nan Ya Electric Materials (Kunshan)	86-512-57357080 #3213	86-512-57357081 #32132
Epoxy Resin	237,000	Nan Ya Electric Materials (Kunshan)	86-512-57357080 #3410	86-512-57357081 #34152
Glass Yarn for Electronic Use	129,800	PFG Fiber Glass (Kunshan)	86-512-57357080 #3506	86-512-57369016
Chopped Strand	15,000	PFG Fiber Glass (Kunshan)	86-512-57357080 #3506	86-512-57369016
Printed Circuit Board, IC Substrate	27,000K sft	Nan Ya Printed Circuit Board (Kunshan)	86-512-57357080 #5900	86-512-57369002
Polyester POY	47,160	Nan Ya Draw-Textured Yarn (KUNSHAN) CO., LTD.	86-512-57357080	86-512-57357081
Polyester Spin Drawn Yarn	10,200	Nan Ya Draw-Textured Yarn (KUNSHAN) CO., LTD.	86-512-57357080	86-512-57357081
Polyester Textured Yarn	22,800	Nan Ya Draw-Textured Yarn (KUNSHAN) CO., LTD.	86-512-57357080	86-512-57357081
Polyester Dyed Yarn	7,200	Nan Ya Draw-Textured Yarn (KUNSHAN) CO., LTD.	86-512-57357080	86-512-57357081
Knitted Fabric	3,972	Nan Ya Draw-Textured Yarn (KUNSHAN) CO., LTD.	86-512-57357080	86-512-57357081
PTA	1,200,000	Formosa Chemical Industries (Ningbo)	86-574-86902999 #2506	86-574-86902953
PIA	200,000	Formosa Chemical Industries (Ningbo)	86-574-86902999 #2506	86-574-86902953
MX	135,000	Formosa Chemical Industries (Ningbo)	86-574-86902999 #2506	86-574-86902953
ABS	450,000	Formosa ABS Plastics (NINGBO)	86-574-86902999 #2119	86-574-86029999
PS	200,000	Formosa PS (NINGBO)	86-574-86902999 #2119	86-574-86029999
Phenol	400,000	Formosa Chemical Industries (Ningbo)	86-574-86028931	86-574-86029999 #2931
Acetone	246,000	Formosa Chemical Industries (Ningbo)	86-574-86028931	86-574-86029999 #2931
IIR	50,000	FORMOSA SYNTHETIC RUBBER(NINGBO) CO.Ltd.	86-574-86902999 #6618	86-574-86029999-6620

MAJOR PRODUCTS OF VIETNAM COMPANIES

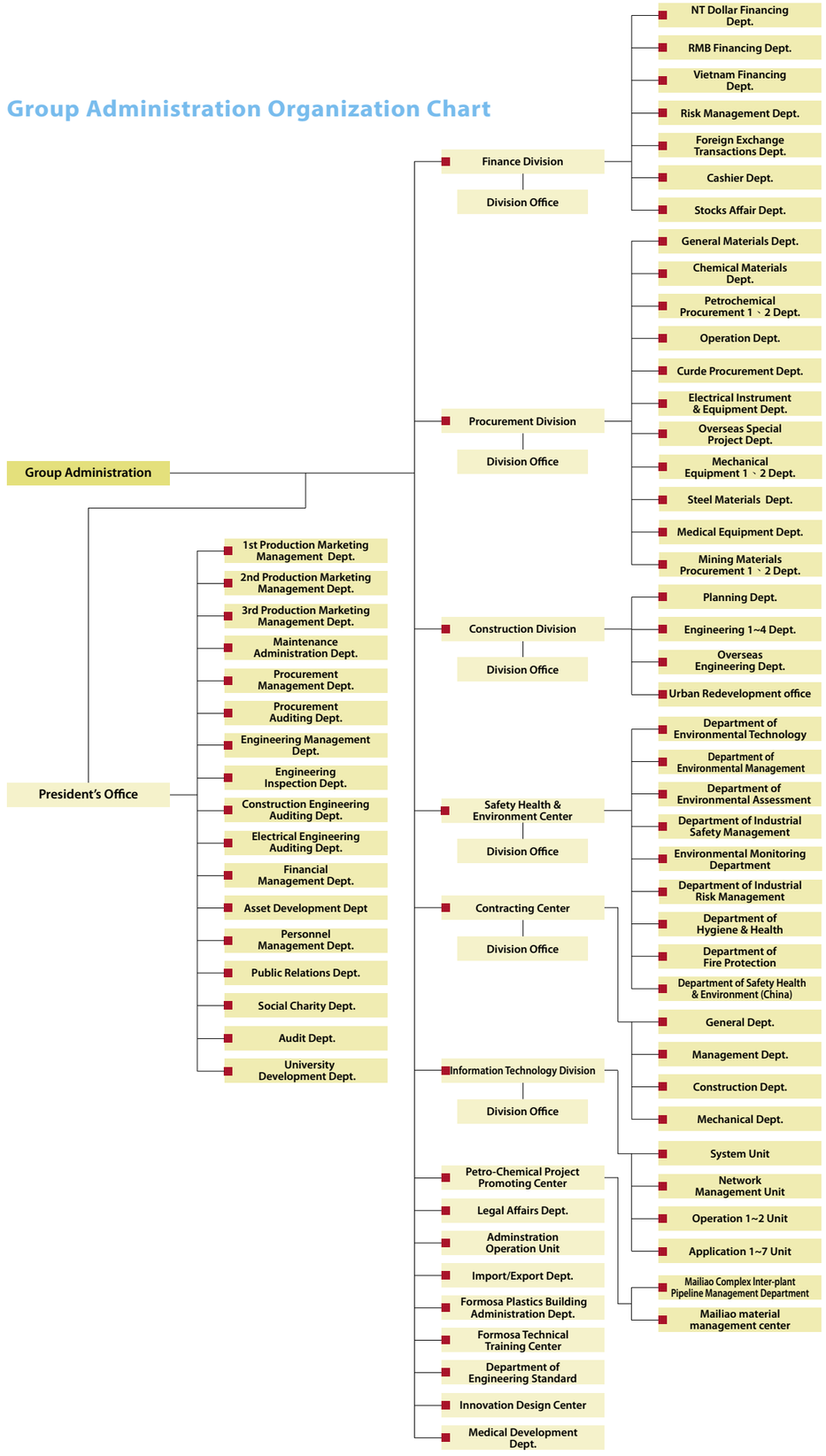
Product	Capacity(MT/Y)	Company	Tel	FAX
Blended Spun Yarn	426,000 bales	Formosa Industries	84-251-3560309#2901	84-251-3560667
Polyester Staple Fiber	108,000	Formosa Industries	84-251-3560309#5901	84-251-3560666
Polyester Chips	36,000	Formosa Industries	84-251-3560309#5901	84-251-3560666
SPP Chip	126,000	Formosa Industries	84-251-3560309#5901	84-251-3560666
Polyester POY	70,000	Formosa Industries	84-251-3560309#5901	84-251-3560666
Polyester Spin Drawn Yarn	27,120	Formosa Industries	84-251-3560309#5901	84-251-3560666
Polyester Textured Yarn	67,000	Formosa Industries	84-251-3560309#5901	84-251-3560666
PU Leather	4.8 million yards	Formosa Industries	84-251-3560309#7407	84-251-3560995
BOPP Film	90,000	Formosa Industries	84-251-3560309#7901	84-251-3560665
PVC Film	15,000	Formosa Industries	84-251-3560309#7906	84-251-3560665
Flexible PVC Film	24,000	Formosa Industries	84-251-3560309#7301	84-251-3560995
Nylon-6 Chips	46,800	Formosa Industries	84-251-3560309#1006	84-251-3569190
Nylon-6 Filament	32,400	Formosa Industries	84-251-3560309#1006	84-251-3569190
Hot Rolled Coil Hot Rolled Band	5,218,000	Formosa Ha Tinh Steel Corporation (Southern Vietnam)	84-2854-138688	84-2854-138-689
		Formosa Ha Tinh Steel Corporation (Nothern Vietnam, Da Nang included)	84-2432-393-393	84-2432-353-637
		Formosa Ha Tinh Steel Corporation (Oversea)	84-2432-393-393	84-2432-353-637
Wire Rod	1,200,000	Formosa Ha Tinh Steel Corporation (Southern Vietnam)	84-2854-138-688	84-2854-138-689
		Formosa Ha Tinh Steel Corporation (Nothern Vietnam, Da Nang included)	84-2432-393-393	84-2432-353-637
		Formosa Ha Tinh Steel Corporation (Oversea)	84-2432-393-393	84-2432-353-637
Billet	478,000	Formosa Ha Tinh Steel Corporation	84-393722-123	84-393722-112

Organizational Chart

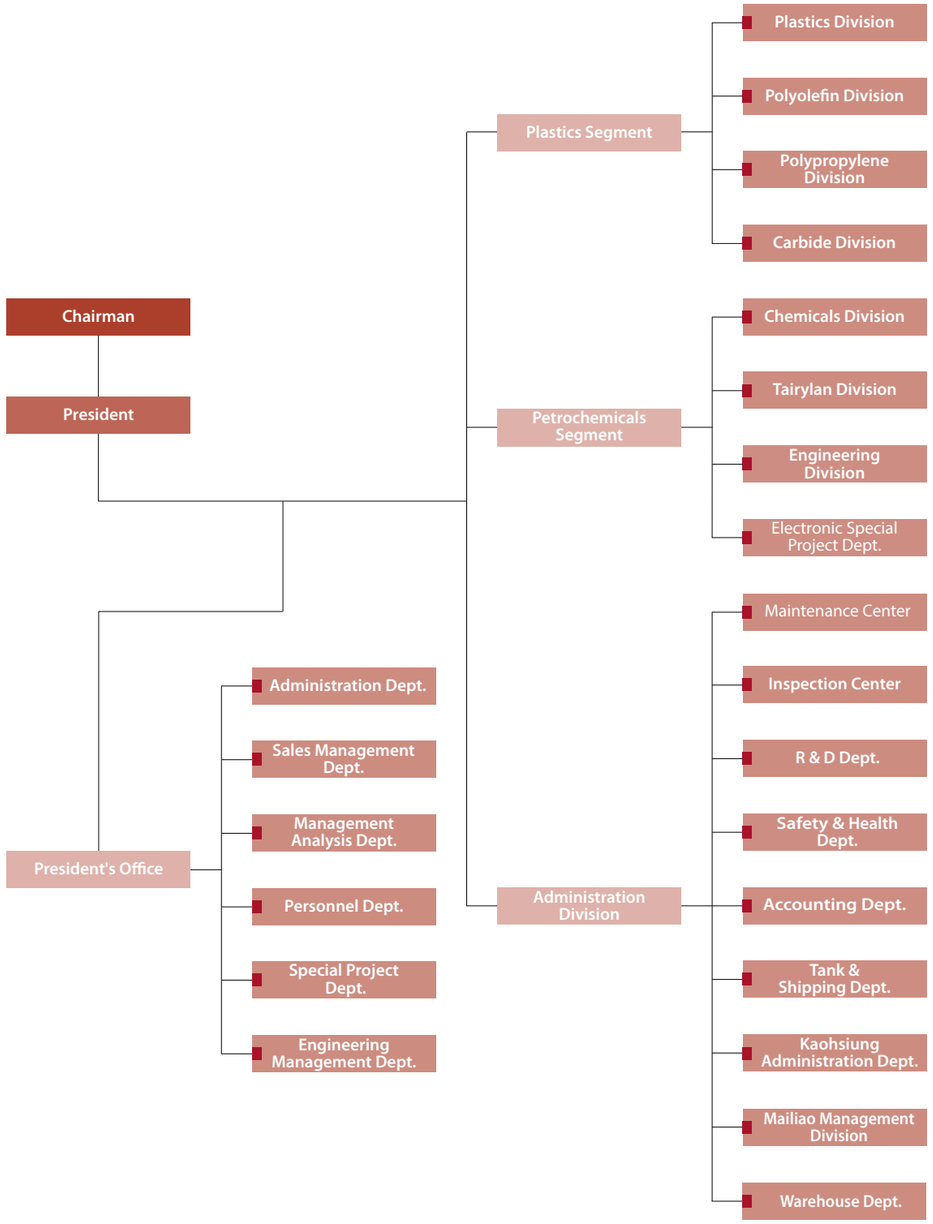
Formosa Plastics Group Organization Chart



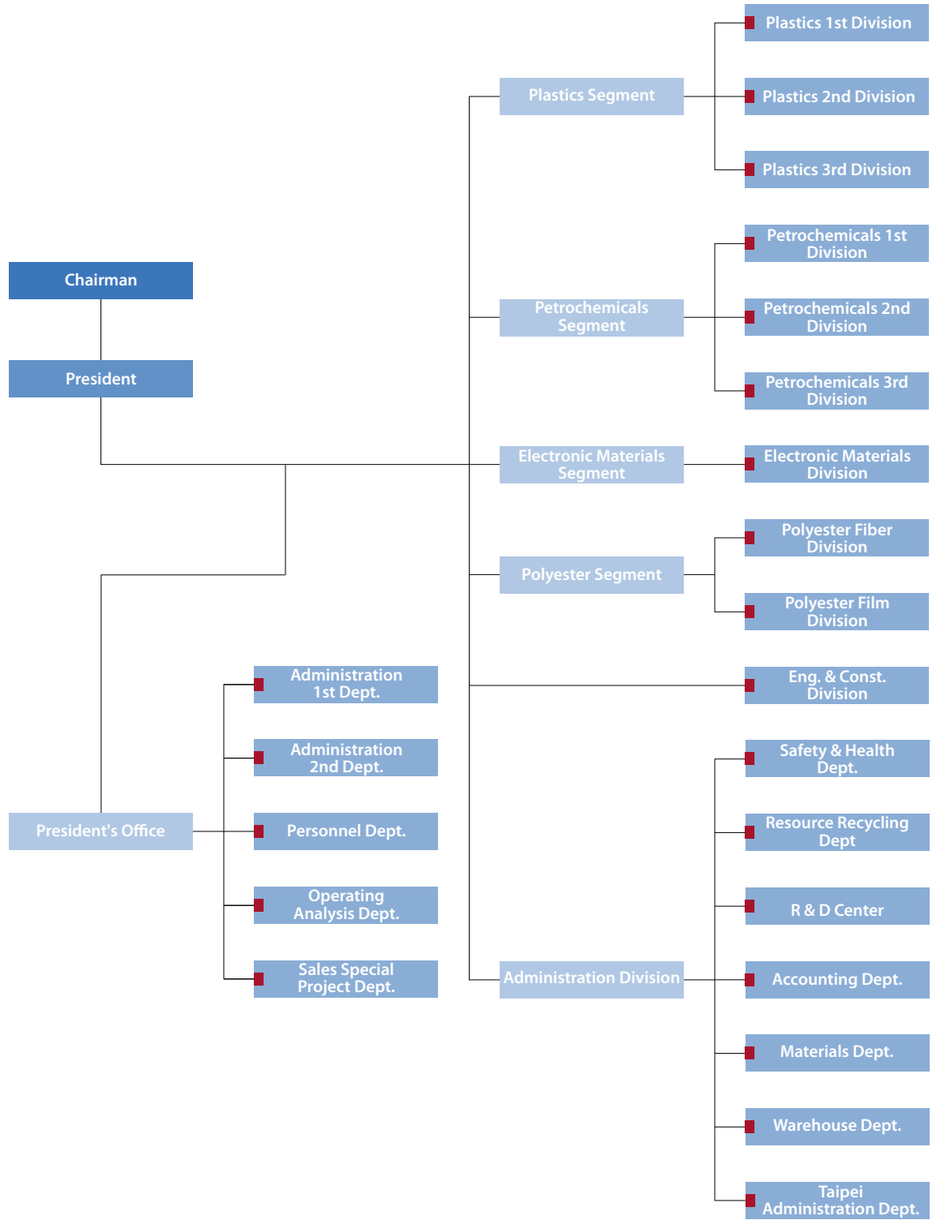
Group Administration Organization Chart



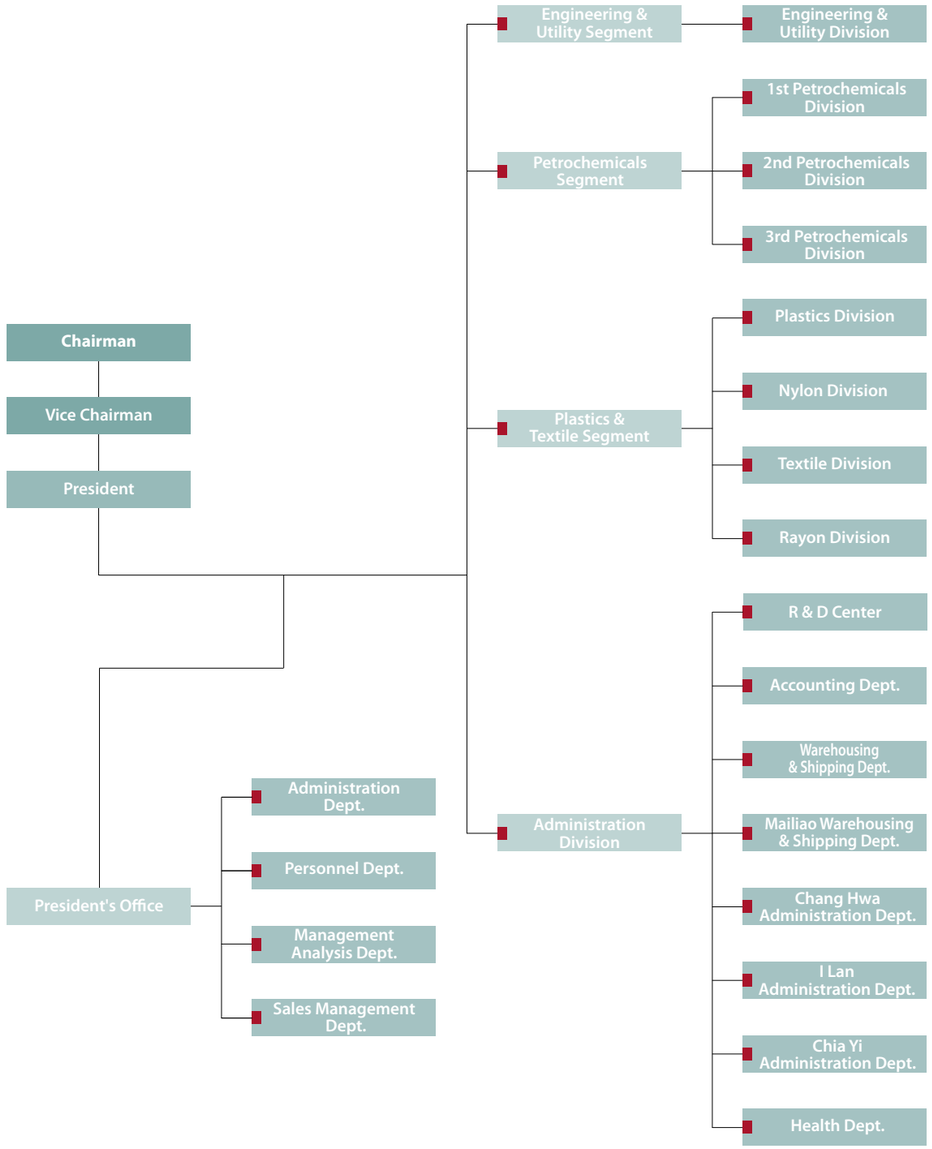
Formosa Plastics Corp. Organization Chart



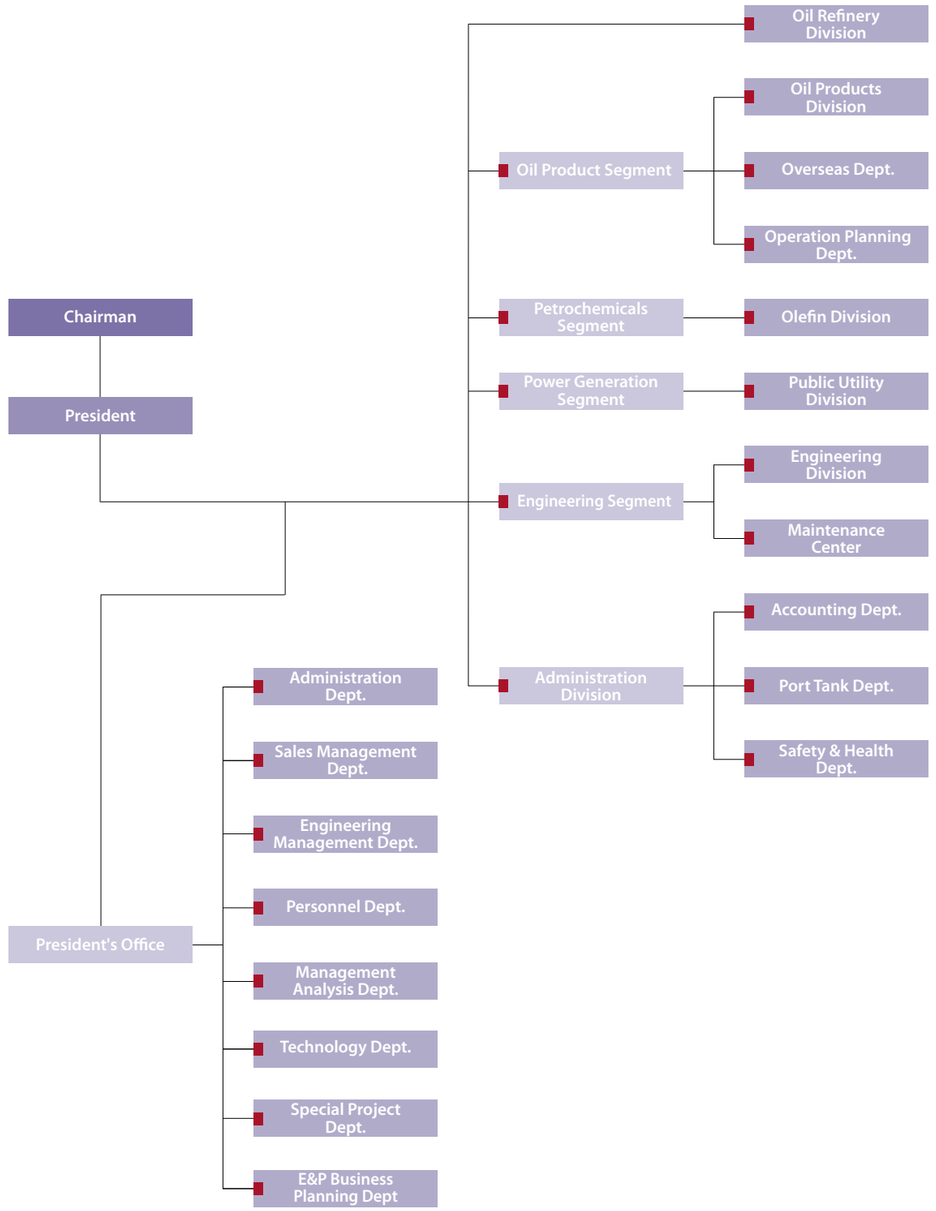
Nan Ya Plastics Corp. Organization Chart



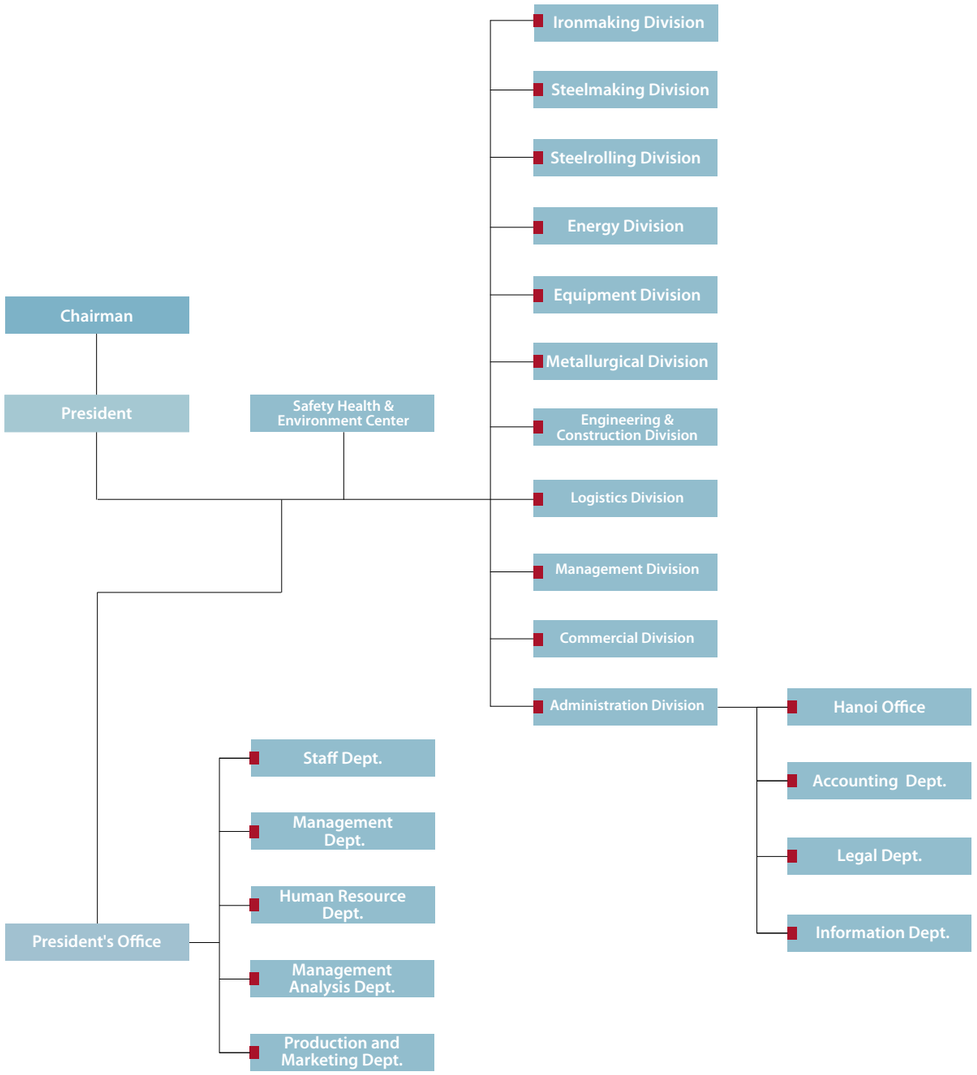
Formosa Chemicals & Fibre Corp. Organization Chart



Formosa Petrochemical Corp. Organization Chart



Formosa Ha Tinh Steel Corporation Organization Chart



Business Overview in 2020

(In Thousands of USD, persons)

Company	Capital	Assets	Equity	Sales	Income Before Income Tax	Number of Employees
Formosa Plastics Corp.	2,232,966	15,986,005	11,664,660	4,881,333	816,552	6,310
Nan Ya Plastics Corp.	2,781,964	18,440,655	12,088,427	5,030,361	969,173	12,904
Formosa Chemicals & Fibre Corp.	2,055,979	15,620,045	12,079,201	5,601,305	722,716	4,762
Formosa Petrochemical Corp.	3,341,504	12,982,851	10,807,540	14,488,654	303,962	5,289
Nanya Technology Corp.	1,085,167	5,809,754	5,395,399	2,129,241	314,789	3,397
Nan Ya PCB Corp.	226,661	1,429,695	1,135,214	1,170,451	140,408	5,998
Formosa Sumco Technology Corp.	136,049	811,502	713,695	418,644	54,174	1,336
Formosa Taffeta Co., Ltd.	590,945	2,623,887	2,156,714	755,047	76,828	4,525
Formosa Advanced Technologies Corp.	155,122	477,375	414,451	340,493	59,731	2,433
Subtotal of Public Companies	12,606,357	74,181,769	56,455,301	34,815,529	3,458,333	46,954
Other Domestic Companies	2,424,896	22,214,379	19,425,798	6,268,853	924,774	31,175
Subtotal of Domestic Companies	15,031,253	96,396,148	75,881,099	41,084,382	4,383,107	78,129
Companies in U.S.A	1,440,281	15,201,783	11,628,736	4,713,712	-198,599	4,229
Companies in China	6,485,171	12,180,027	8,550,384	9,011,089	717,266	18,644
Other Foreign Companies	6,433,121	15,390,043	5,928,008	4,302,045	-293,950	14,317
Subtotal of Foreign Companies	14,358,573	42,771,853	26,107,128	18,026,846	224,717	37,190
Total of Formosa Plastics Group	**29,389,826**	**139,168,001**	**101,988,227**	**59,111,228**	**4,607,824**	**115,319**

*NOTE:The financial data shown above is extracted from the individual financial statements of each company.

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2021. 08. 1660. 35