

# Chang Chun Group



# Corporate Profile

**1949** **Founded in Taiwan**

Three founders: M. K. Liao, Su Hon Lin,  
S. Y. Tseng

**No.2** **In Taiwan**

Second Largest Chemical Company

**34** **Companies**  
Within the Group

**12,000+** **Employees**  
Globally as of 2016

**\$ 8.3 bn** **Sales**  
Annually as of 2016

## Chan Chun Plastics

Coating Resins  
Phenol Chain Products  
Engineering Plastics  
PCB related materials

## Chang Chun Petrochemical

Ethylene Downstream  
Copper Foil  
Specialty Chemicals  
High Purity Chemicals for semiconductor

## Dairen Chemical

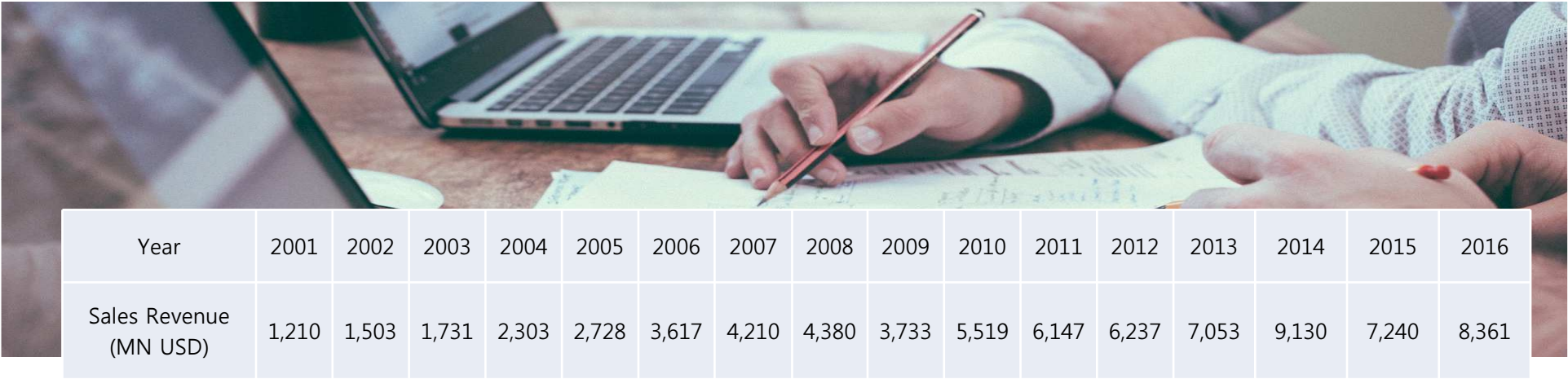
VAM  
1,4 BDO, MP diol, PTMEG  
VAE emulsions,  
VAE Redispersible powder



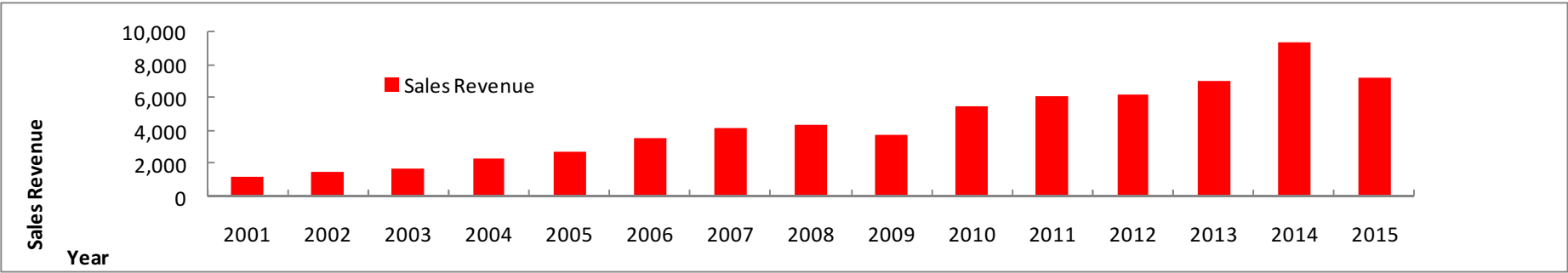
# Global Location



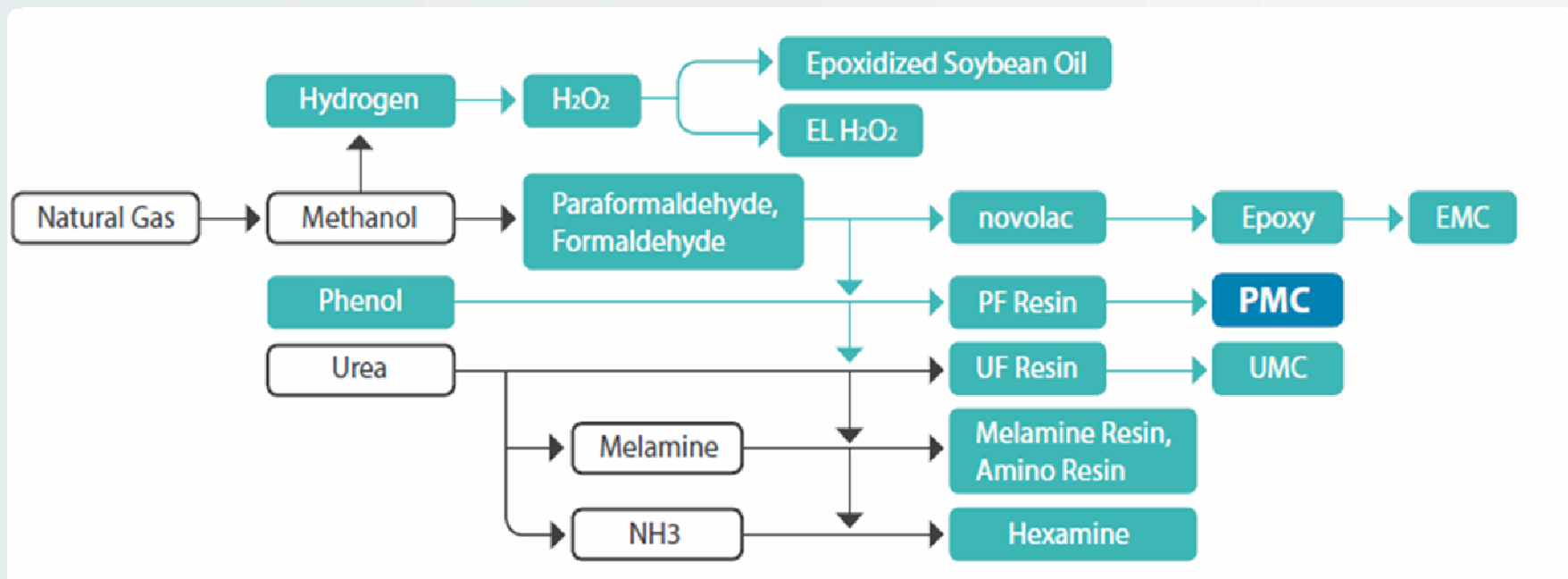
# Financial Fact



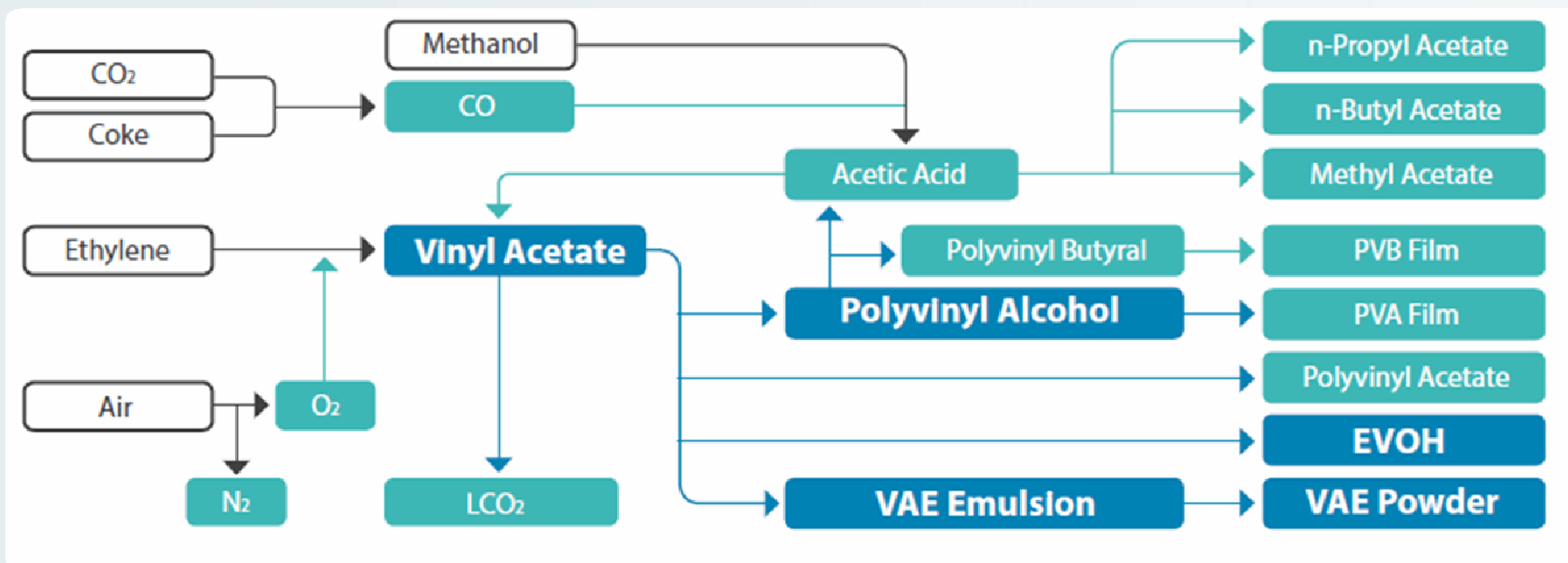
Year	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Sales Revenue (MN USD)	1,210	1,503	1,731	2,303	2,728	3,617	4,210	4,380	3,733	5,519	6,147	6,237	7,053	9,130	7,240	8,361



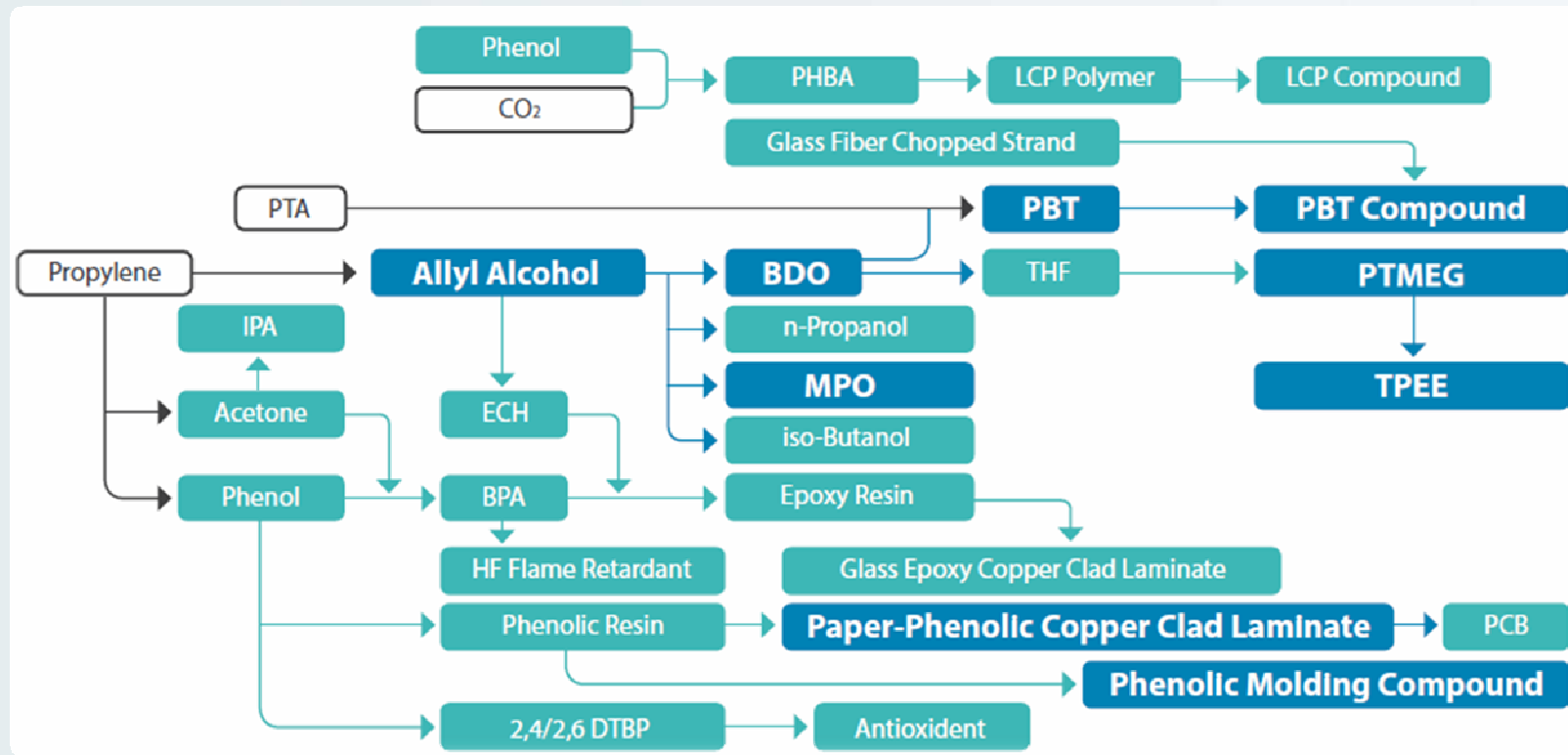
# Methanol Derivatives & Supply Chain



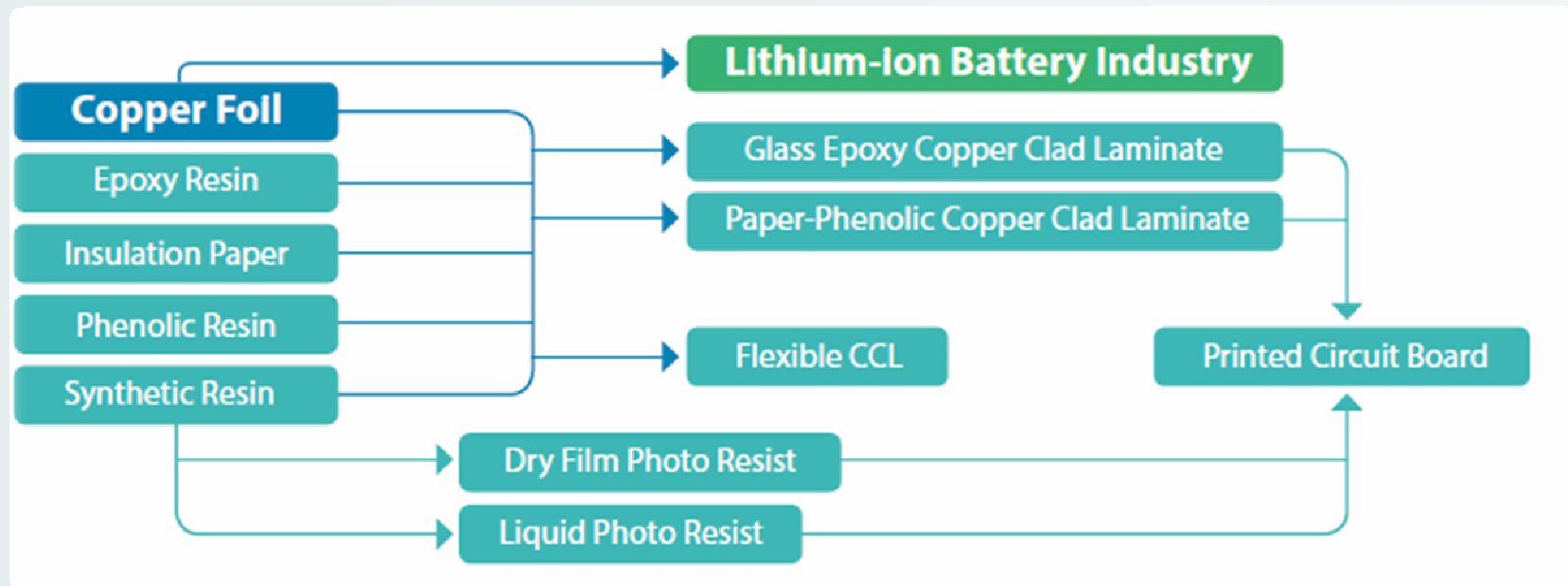
# Ethylene Derivatives & Supply Chain



# Propylene Derivatives & Supply Chain

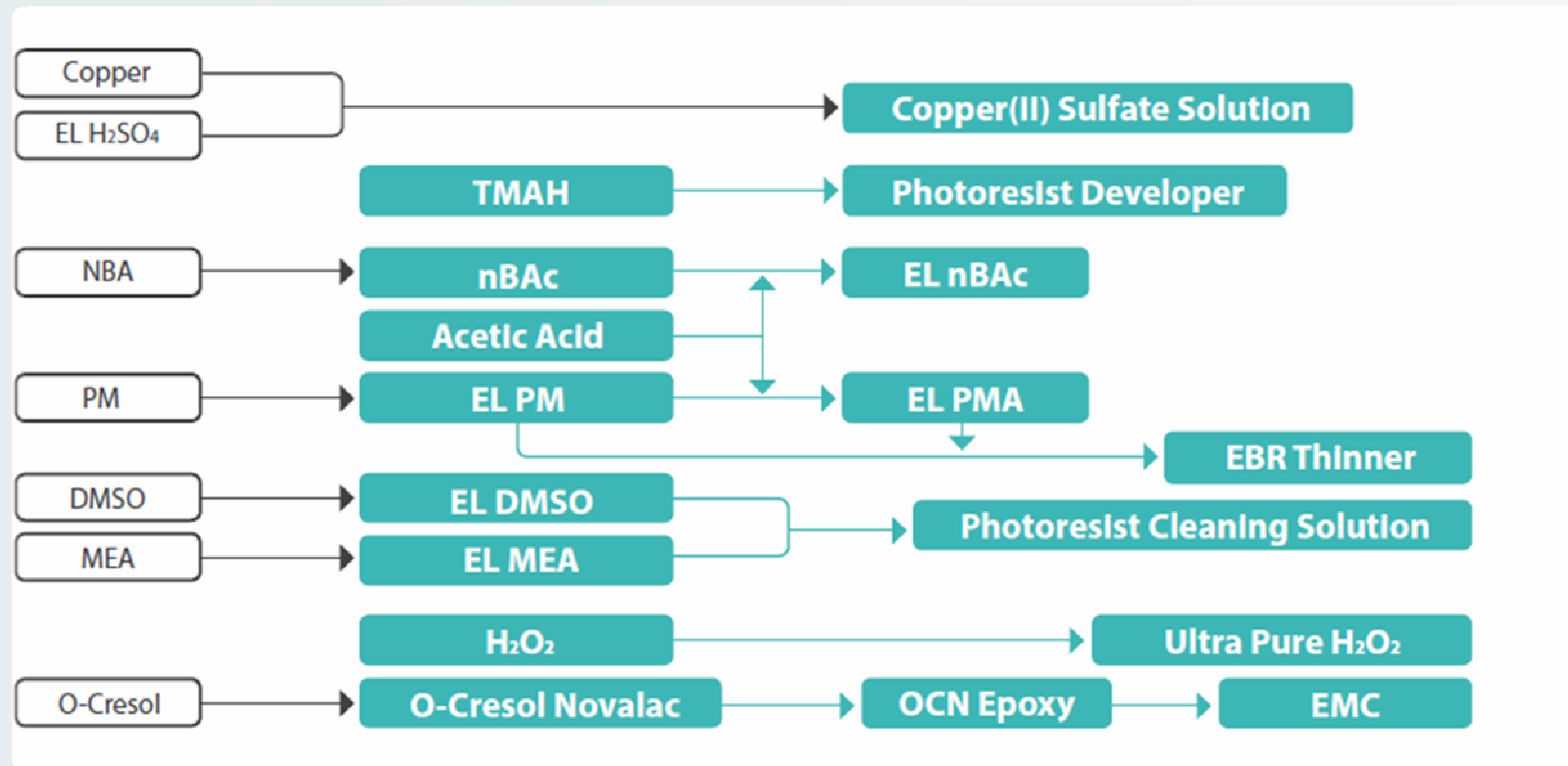


# PCB Related Product





# Electronic Chemical for IC & TFT LCD Industry



# Specialty Chemical

- **$\alpha$ -Cyanoacrylate**    2,4/2,6 DTBP
- Plastic Additives
  - Antioxidant**    Stabilizer
  - Plasticizer    Flame Retardant
- Coating Resins
  - Acrylic Resin & Emulsion    PVB    PVAc
  - Butylated/Methylated Melamine Resin**    Epoxy Resin
- Paper Chemicals
  - PVA    Acrylamide    Strength Resin    Flocculant



# Markets We Serve

## Chemical Industry

- VAM
- 1,4 BDO
- Phenol
- Acetic Acid
- Formaldehyde
- MP-Diol
- Solvents



## Plastic Industry

- PBT
- PPSU
- Antioxidant
- Flame retardants
- Plasticizers
- Glass Fiber



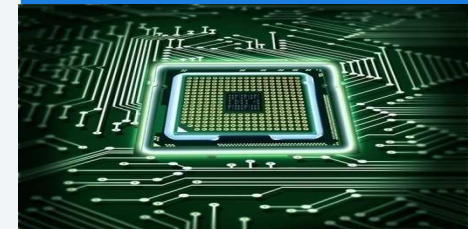
## Electronic Industry

- PBT compounds
- Phenolic compounds
- Copper foil
- Laminates for PCB
- Dry-film photo resist
- Epoxy resins for CCL



## Semiconductor Industry

- High purity chemicals (H<sub>2</sub>O<sub>2</sub>, TMAH, PGME, PGMEA, NBAC....)
- PVA film
- EMC for IC encapsulation
- Photo-resist
- Electrolyte copper plating solution



# Markets We Serve

## Automotive Industry

- PBT compound
- PVB film for Windshield
- EVOH for gas tanks
- Phenolic compounds



## Coating and Paint Industry

- Epoxy resins
- Melamine resins
- Polyester resins
- Acrylic resins & emulsions
- PVOH
- VAE Emulsion
- VAM
- Solvents



## Construction Industry

- PVB Film
- VAE Powder
- PVOH
- Epoxy Resin
- VAE Emulsion



## Paper and Textile Industry

- PTMEG
- PVOH
- Melamine resins
- Acryl amide
- PAM
- Flocculant





# LEADERSHIP POSITIONS

## **No. 1 Worldwide**

Allyl Alcohol, 1-4 Butandiol,  
PTMEG, MP-Diol,  
PBT Resin, Copper Foil

## **No. 2 Worldwide**

PVOH  
Phenolic Molding Compound  
PBT Compound, Melamine  
Resin, VAM, Antioxidant

## **No. 1 in Taiwan**

High Purity Chemical to  
Semiconductor Industry with  
over 70% market share