



# CHINA STEEL CHEMICAL CORPORATION (1723) Investor Conference

March 2024

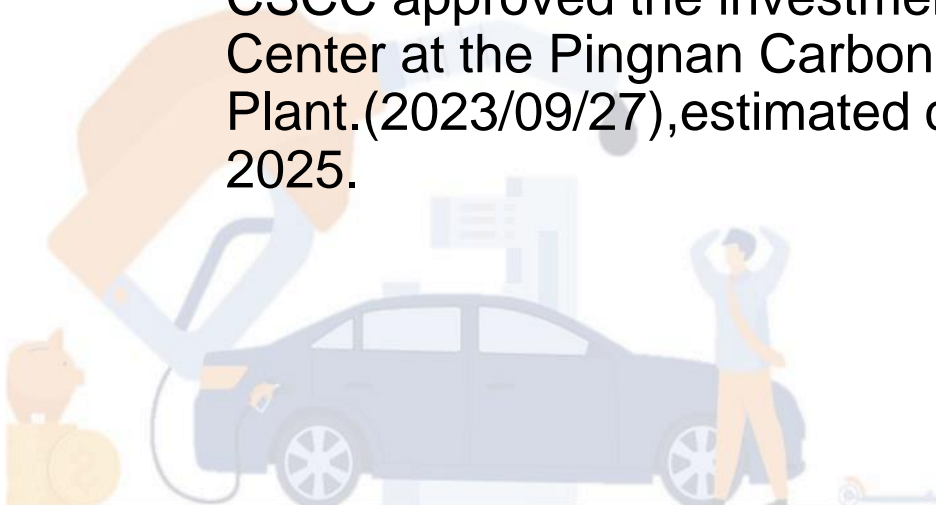


# Safe Harbor statement

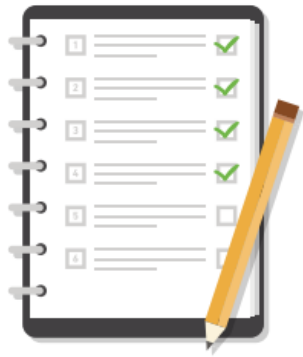
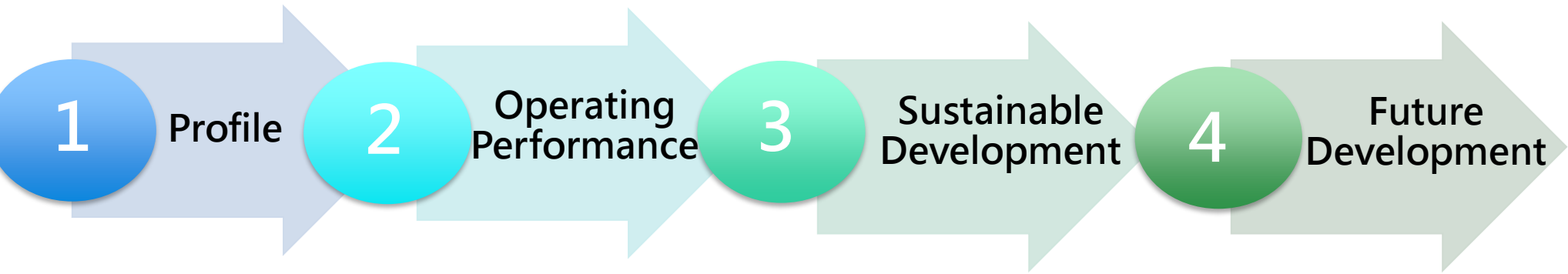
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# Recap of Recent Major Events

- CSCC Board of directors approved the setup of the halogen purification furnace to facilitate development of highly pure carbon materials.(2021/08/03) , the installation has been completed and is being debugged.
- CSCC Board of directors approved the investment in a second line of graphitization furnaces at the Pingnan Carbon Materials Plant.(2022/05/05),estimated completion date is second quarter 2024.
- CSCC approved the investment in Research and Development Center at the Pingnan Carbon Materials Plant.(2023/09/27),estimated completion date is the end of year 2025.

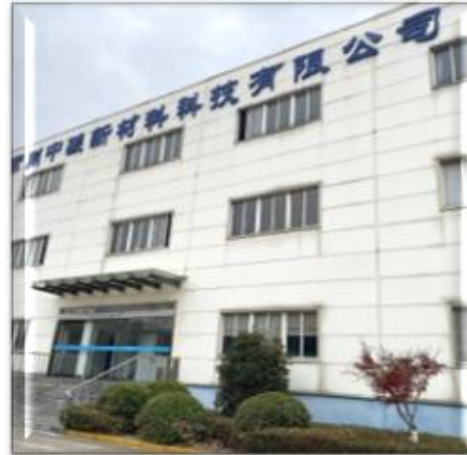


# Agenda





# 1、Profile



# Basic information

<b>Company name</b>	<b>China Steel Chemical Corporation</b>
<b>Inception</b>	<b>February 3, 1989</b>
<b>Company Address</b>	<b>25F, No. 88, Chenggong 2nd Road, Qianzhen District, Kaohsiung City, 806</b>
<b>Capital</b>	<b>NT\$2,369,044,800</b>
<b>Listed Date</b>	<b>November 27, 1998 ( Stock symbol : 1723 )</b>
<b>Number of Employees</b>	<b>318 ( PhD-9 、 Master-94 ; Male-87% 、 Female-13% )</b>

- **the first coal chemical company with Graphitization in Taiwan**

## The structure of shareholder

Major shareholder	Percentages
China Steel Corp.	29.04%
Fubon Life Insurance Co., Ltd.	5.31%
International CSRC Investment Holdings Co., Ltd.	4.96%
Ever Wealthy International Corp.	2.01%
Chi Cheng Teh Invstment Co., Ltd.	1.46%

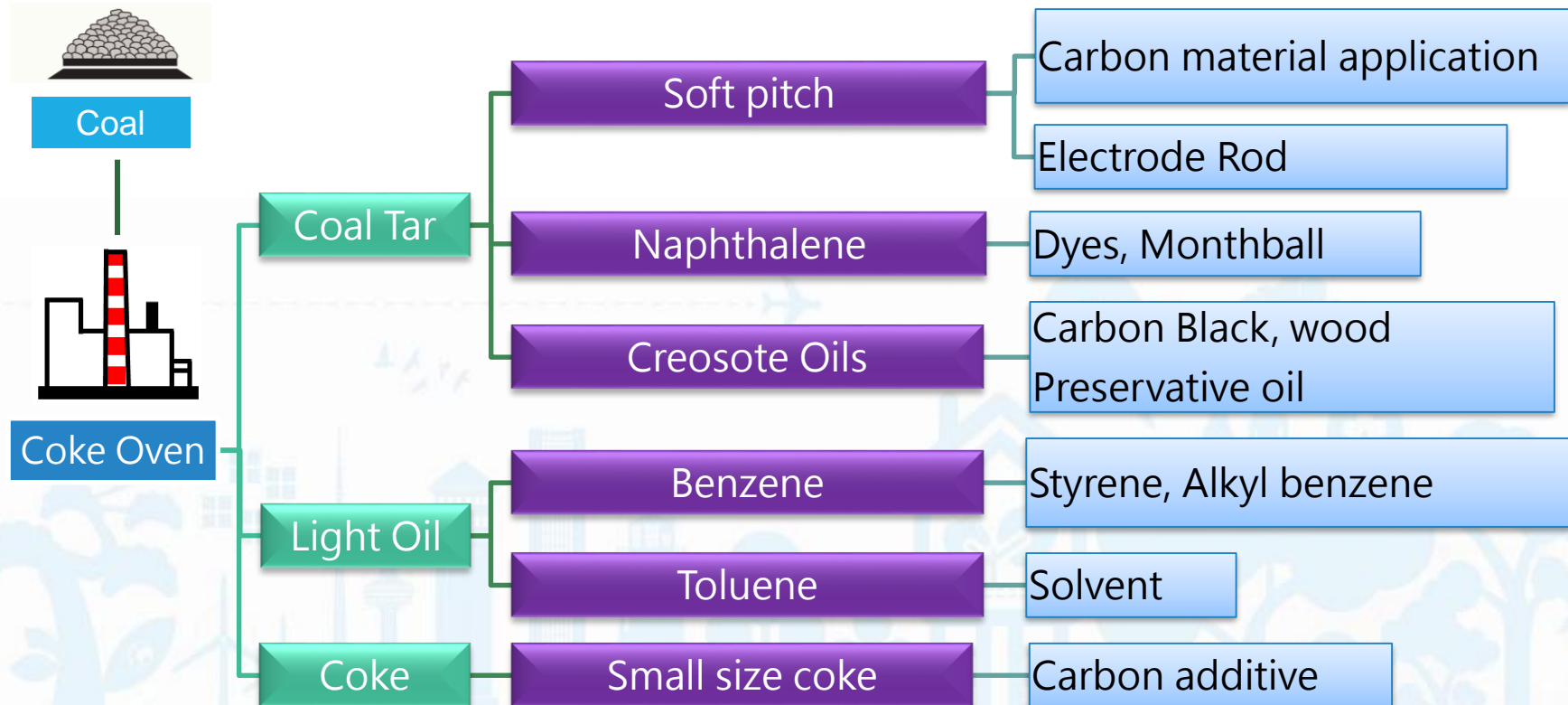
As of : July 20,2023

# The Relating Product Map of Coal Chemical Industries

Upstream  
( CSC · DS )

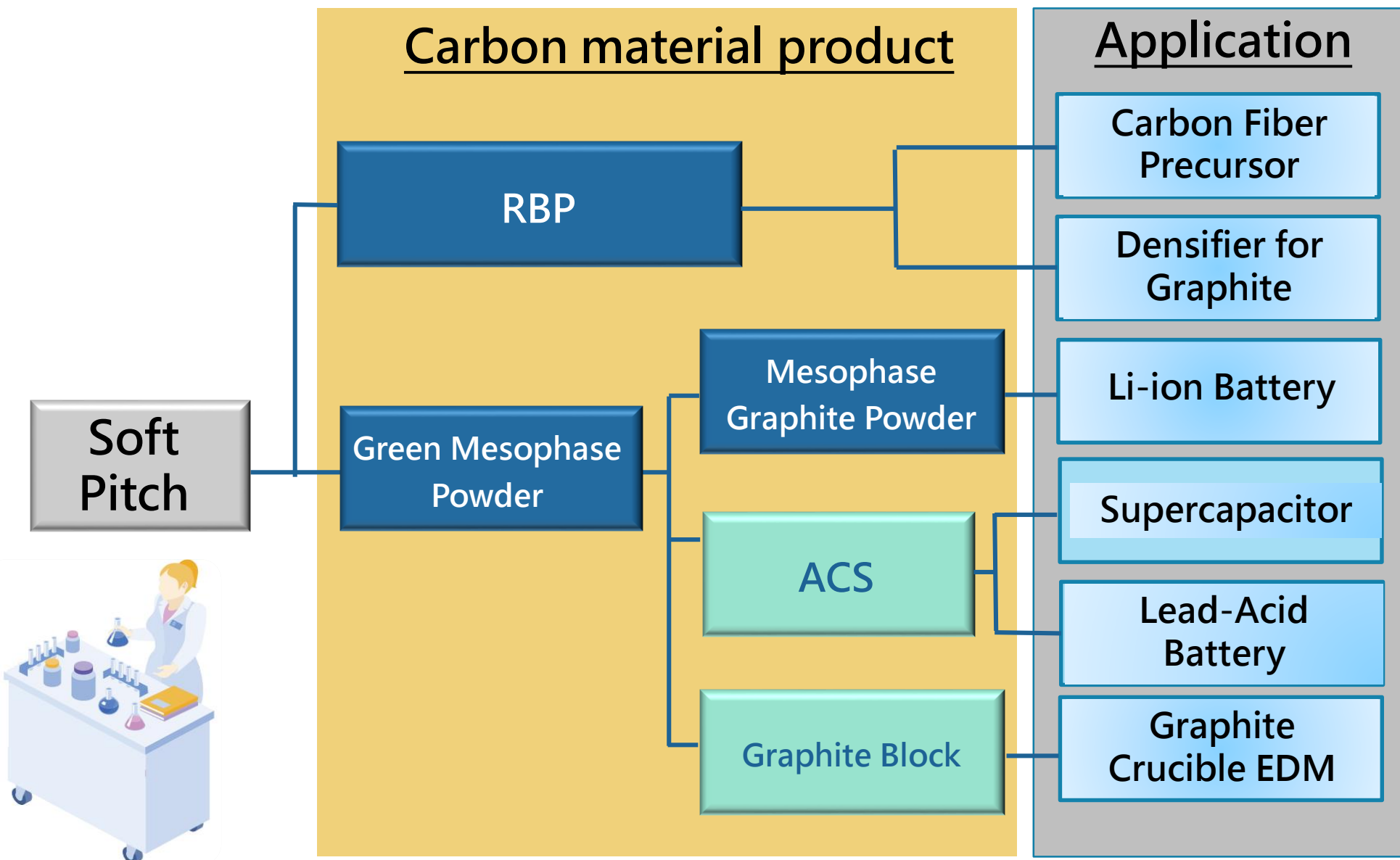
Midstream  
( CSCC )

Downstream

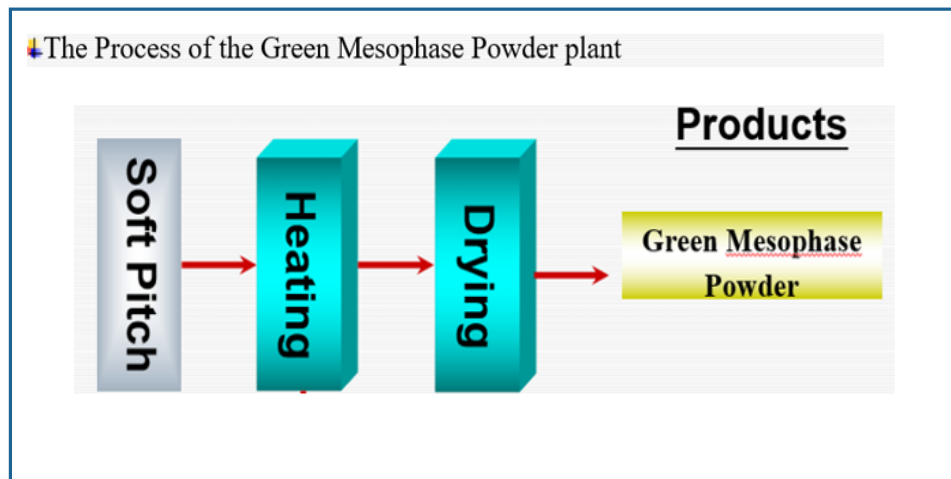
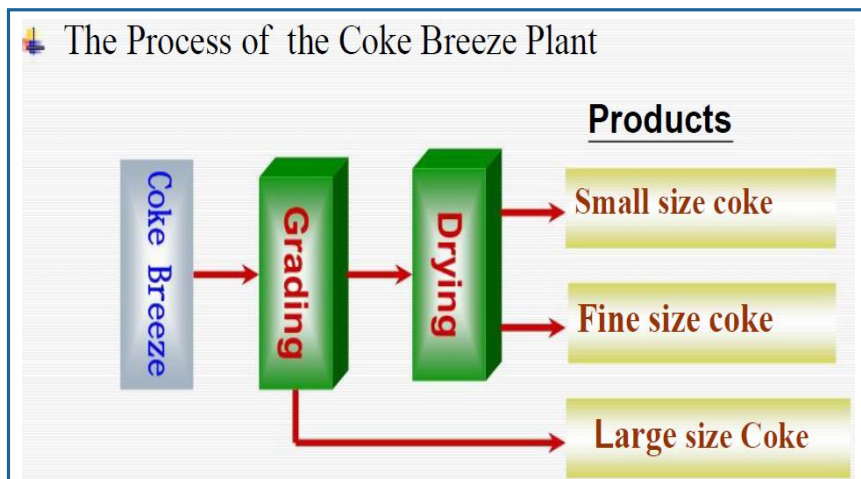
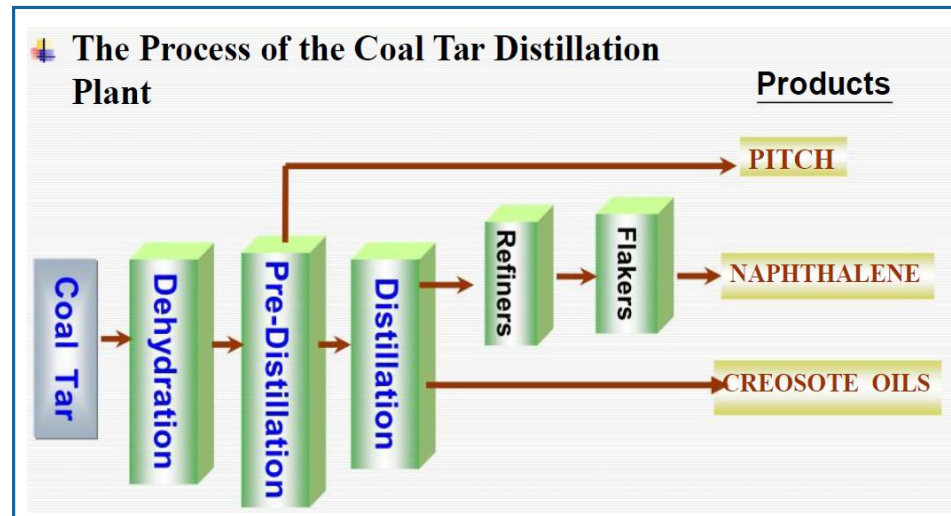
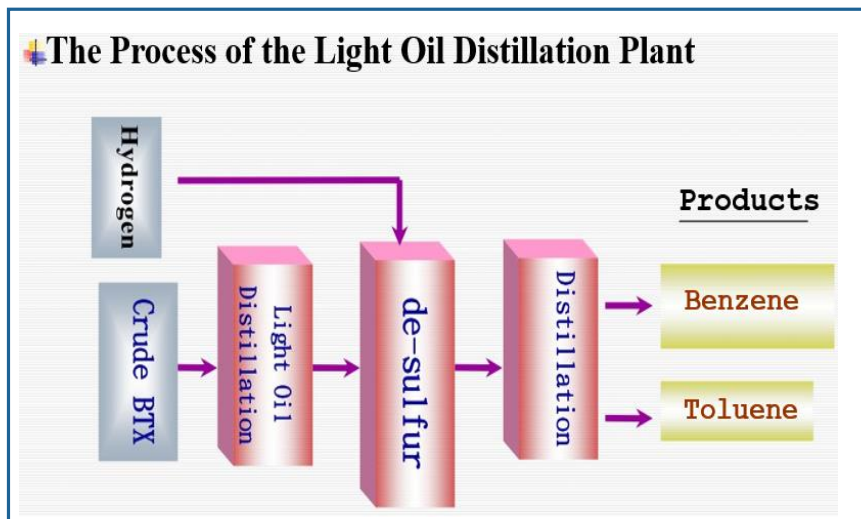




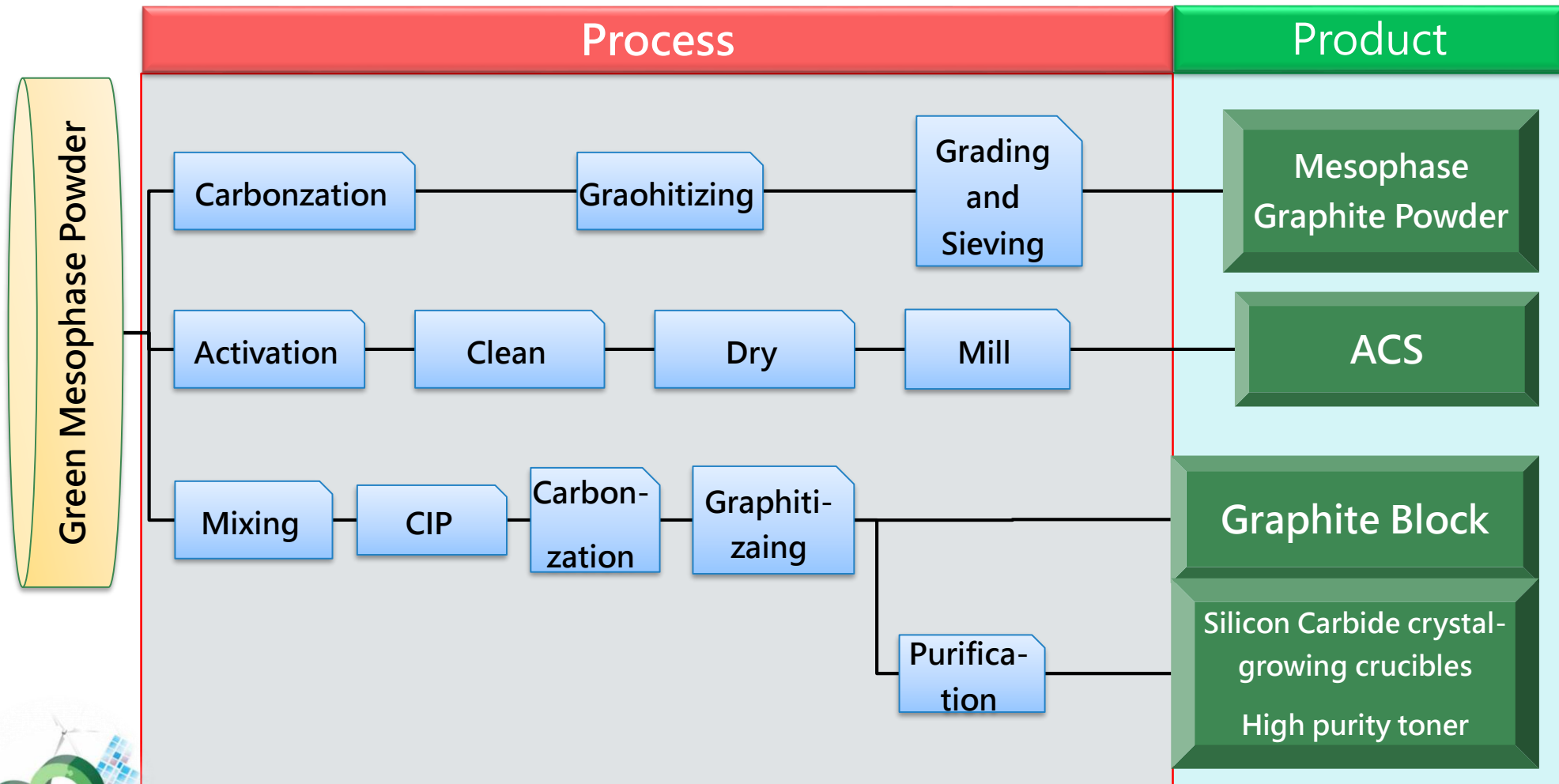
# Applications of Carbon material product



# The Relating Product Map of Coal Chemical Industries



# The Relating Product Map of Carbon Material Industries

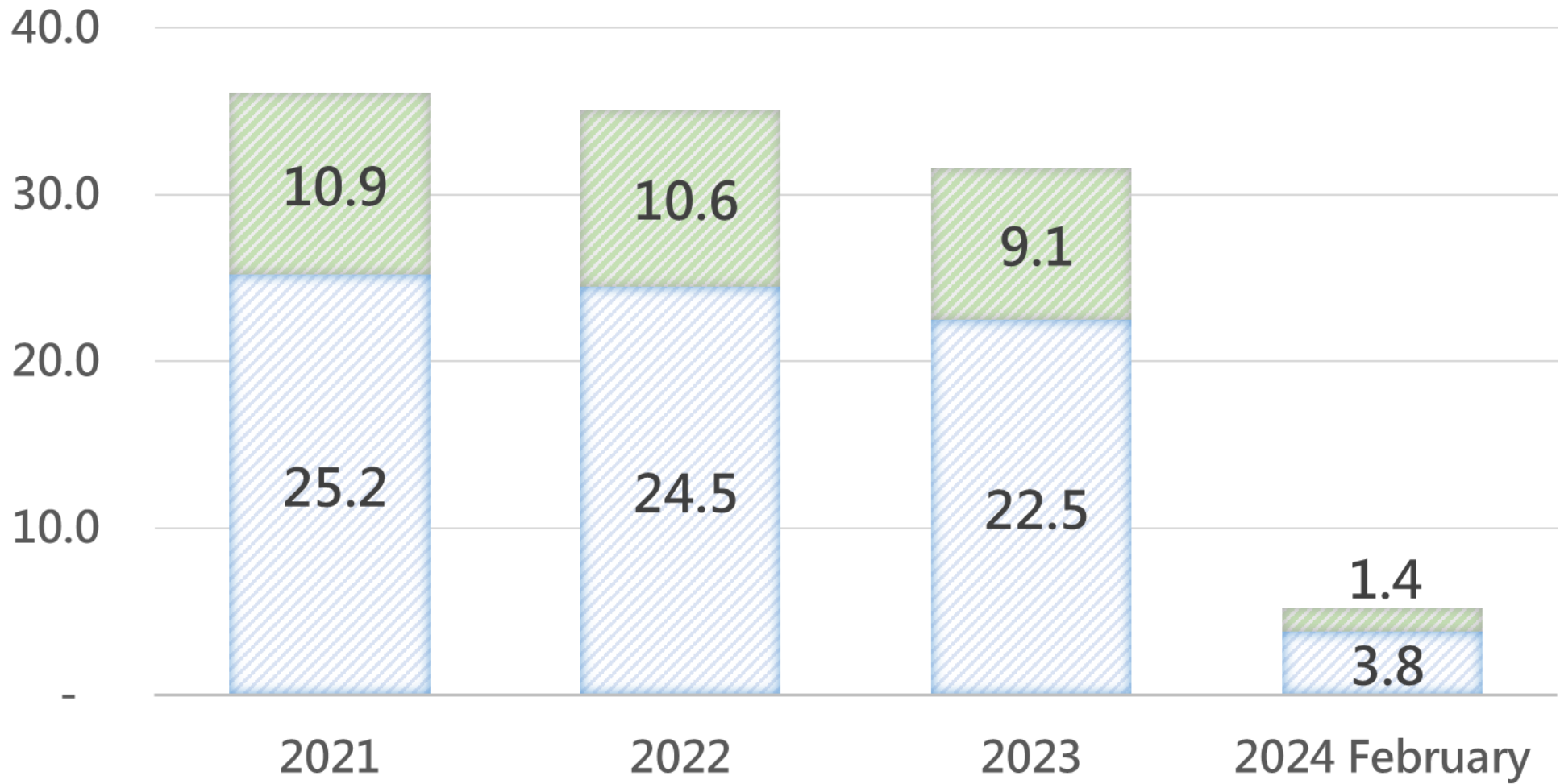


## 2 · Operating Performance



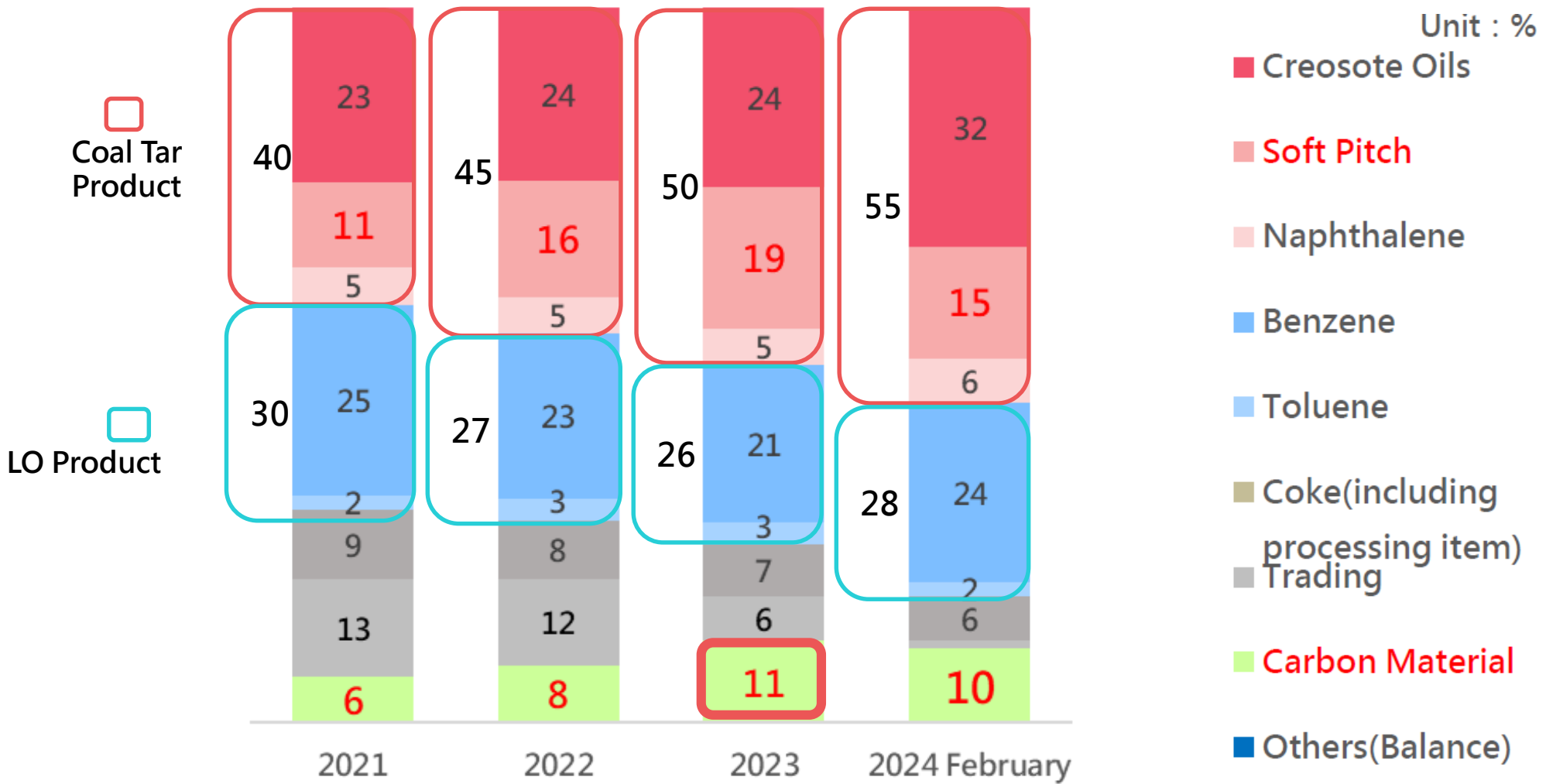
# Raw material inputs

■ Coal Tar(Unit : ten thousand metric tons)    ■ Light Oil(Unit : ten thousand metric tons)

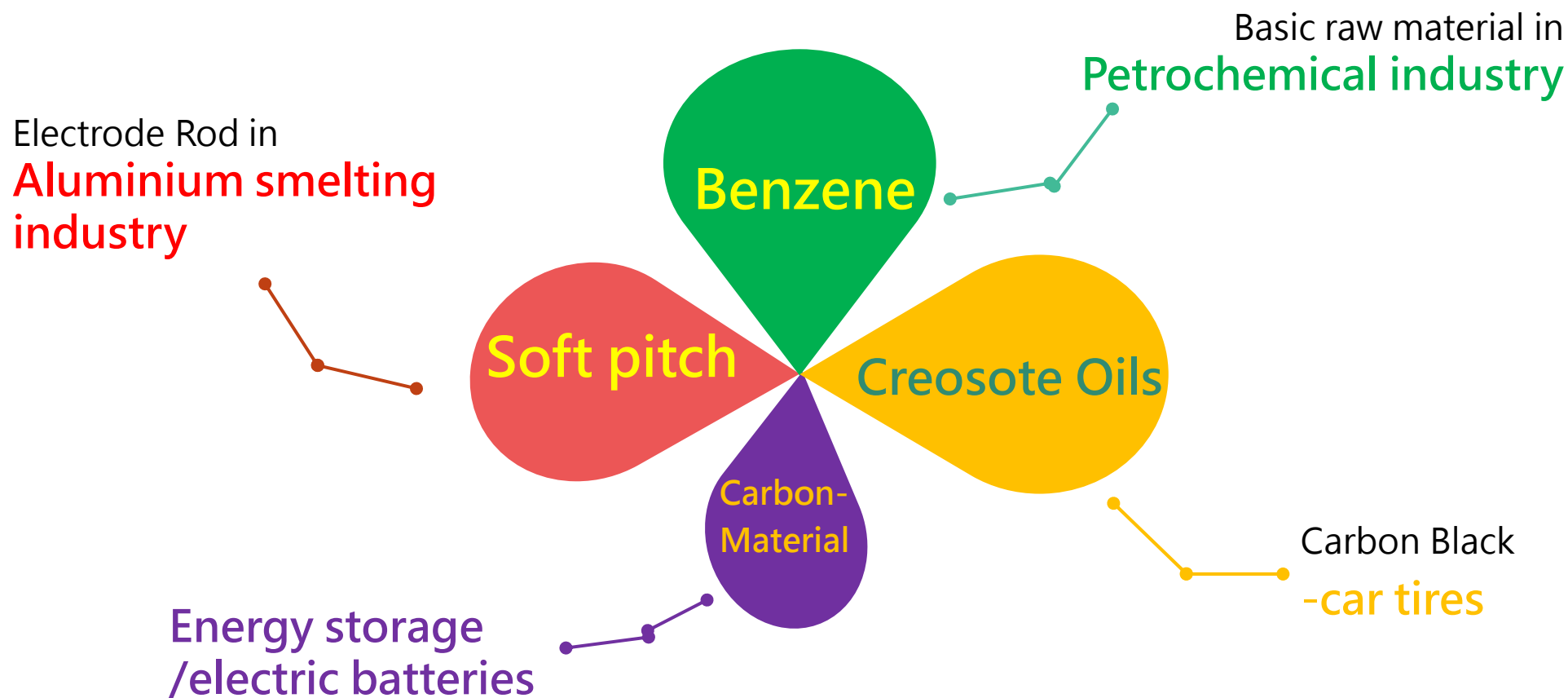




# Revenue breakdown by products in the past three years

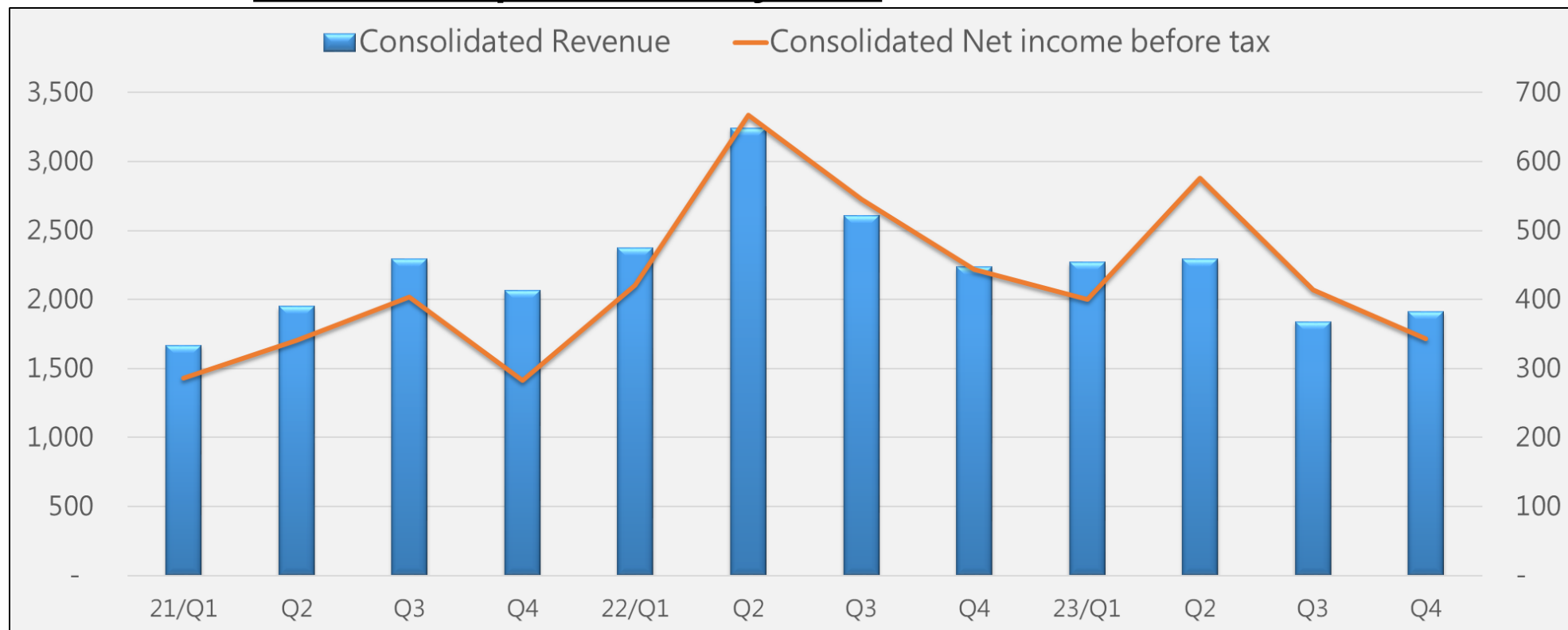


# Coverage of a variety of industries



# Consolidated Revenue and Net income before tax in the past three years

Unit : NTD Million

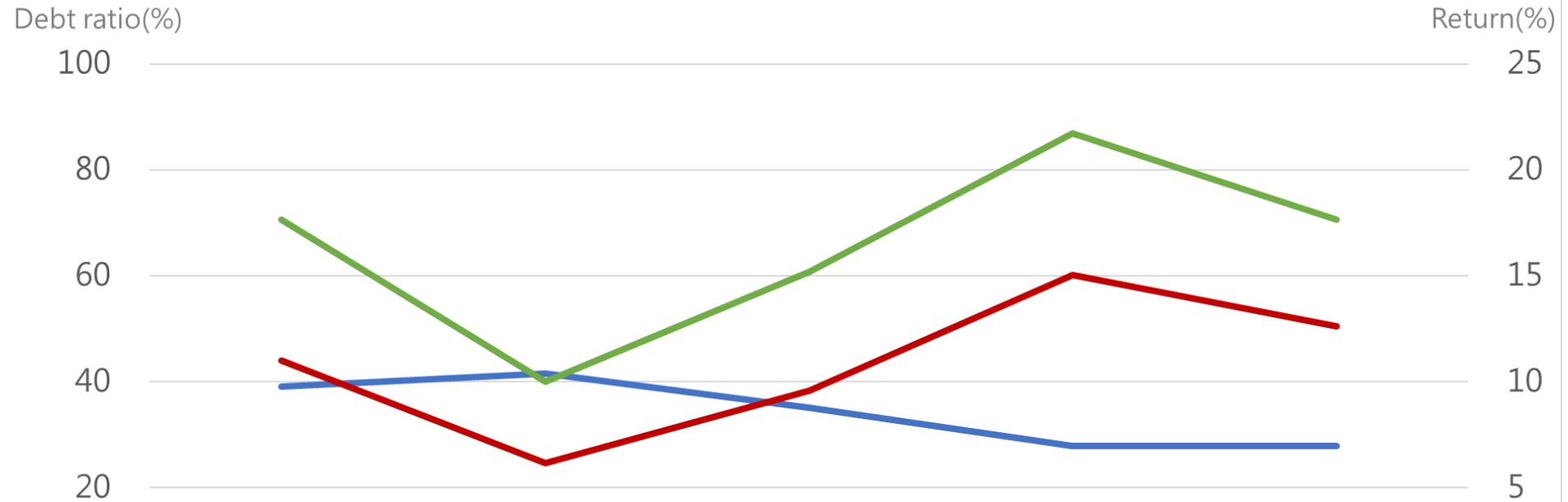


	2024 January	2024 February
Consolidated Revenue	513	645
Consolidated Net income before tax	70	142

**2023**  
Revenue : 8,318 ; Net income before tax : 1,733

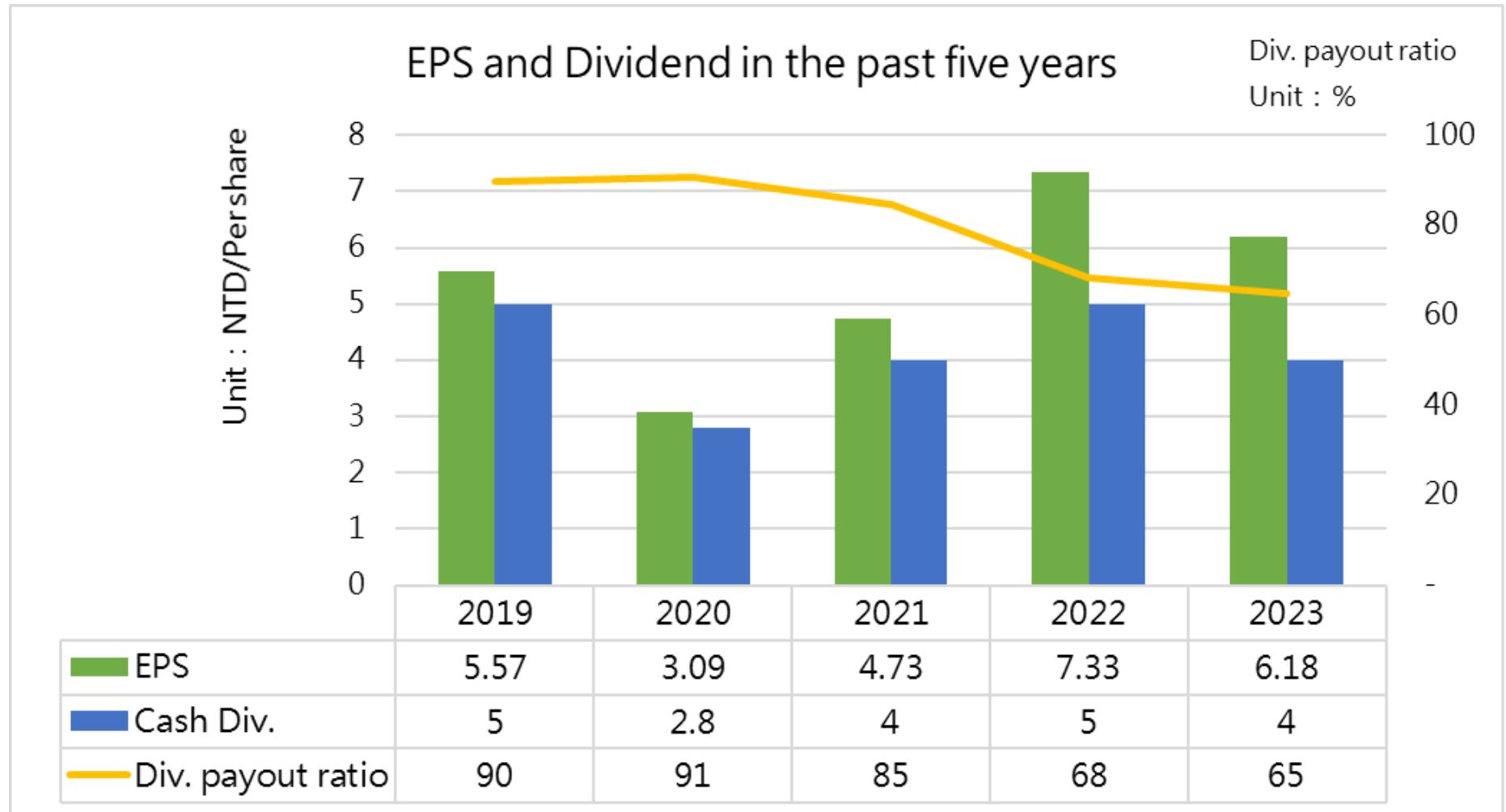
**2024 January to February**  
Revenue : 1,158 ; Net income before tax : 212

# Major financial indicator



	2,019	2,020	2,021	2,022	2,023
— Debt ratio	39	42	35	28	28
— ROA	11.0	6.2	9.6	15.0	12.6
— ROE	17.6	10.0	15.2	21.7	17.6

# Dividend Policy



\*The appropriations of earnings for 2023 are subject to the resolution in the shareholders' meeting to be held in June 2024.1



# 3、Sustainable Development



# Coporate governance Evaluation

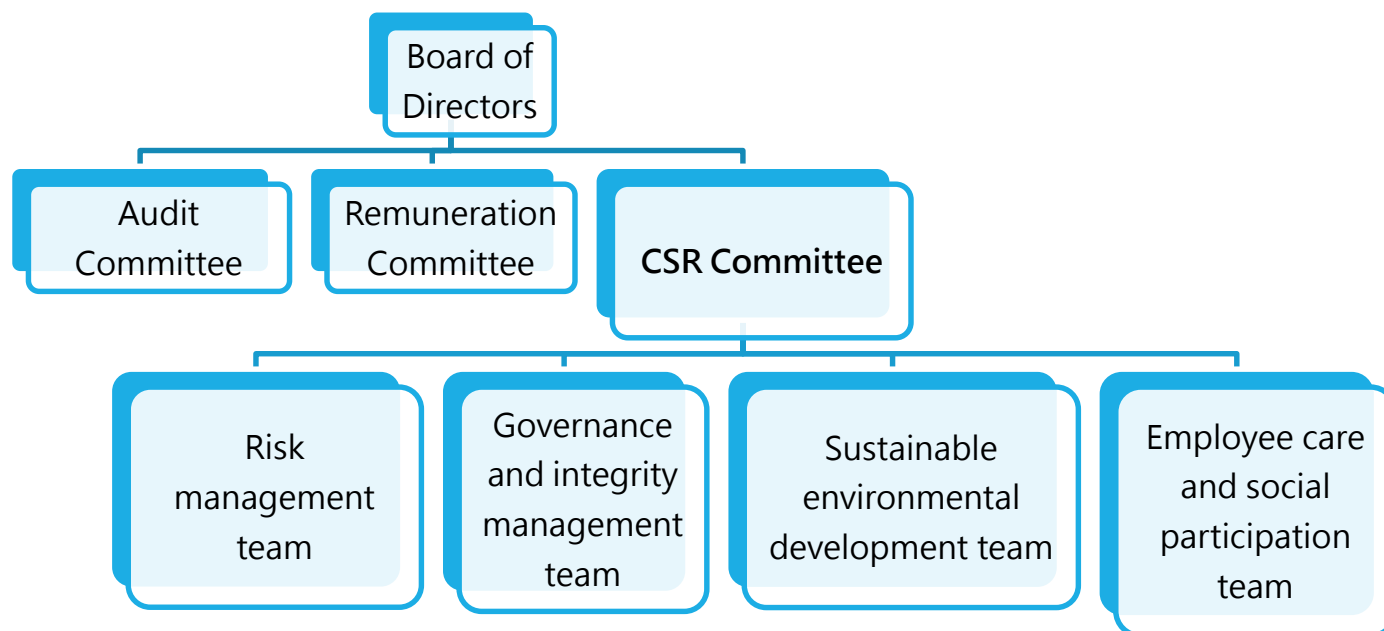
To establish Sustainable Development Committee.

## Governance



CSCC was in the second grade(6%~20%,Grade : 101.48) according to the lasted corporate governance evaluation results(2022).

CSCC was involved TWSE Corporate Governance 100 index(2022 and 2023).



# Save energy and Reduce carbon emissions

	Cumulative average electricity saving rate(%)	Water/Waste water use intensity(%)	Air pollution reduction (SOx tons/year) (NOx tons/year)	Scope 1 and 2 reduction (%)
Short-term goals (2024)	1.05 (Coal Chemical) 1.00 (Carbon Chemical)	1.5 (Coal Chemical) 1.1 (Carbon Chemical)	SOx : < 5 NOx : < 25	2
Medium-term goals (2025-2028)	1.05 (Coal Chemical) 1.10 (Carbon Chemical)	2	SOx : < 3 NOx : < 20	2025~26 : 2 2027~28 : 5
Long-term goals (2029~2033)	1.1	2	SOx : < 1 NOx : < 15	5 <b>FY2050 carbon Neutrality</b>

# ESG Awards

2021-2024



Awarded TIPS Level A Patent and certification

2023



Awarded Certification of information security ISO 27001

2019-2023

- Gold Award from TCSA



2022

- National Enterprise Environmental Protection Award-Bronze medal
- Top 100 Carbon materials competitiveness on Business Weekly
- Awarded Badge of Accredited Healthy Workplace (preliminary).

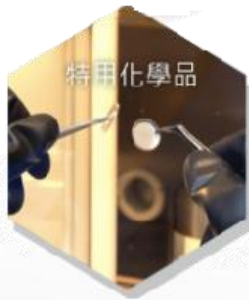
2023

- Awarded for Environmental Protection Sustainability Contribution Award
- Awarded for Excellent Trading Business
- Awarded for Environmental Education Award
- Awarded Badge of Accredited Healthy Workplace

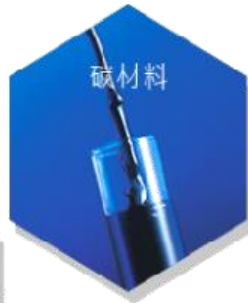
# 4、Future Development



顧客至上



特用化學品



碱材料

品質第一

誠信為先



展望未來

合作無間

Anode material

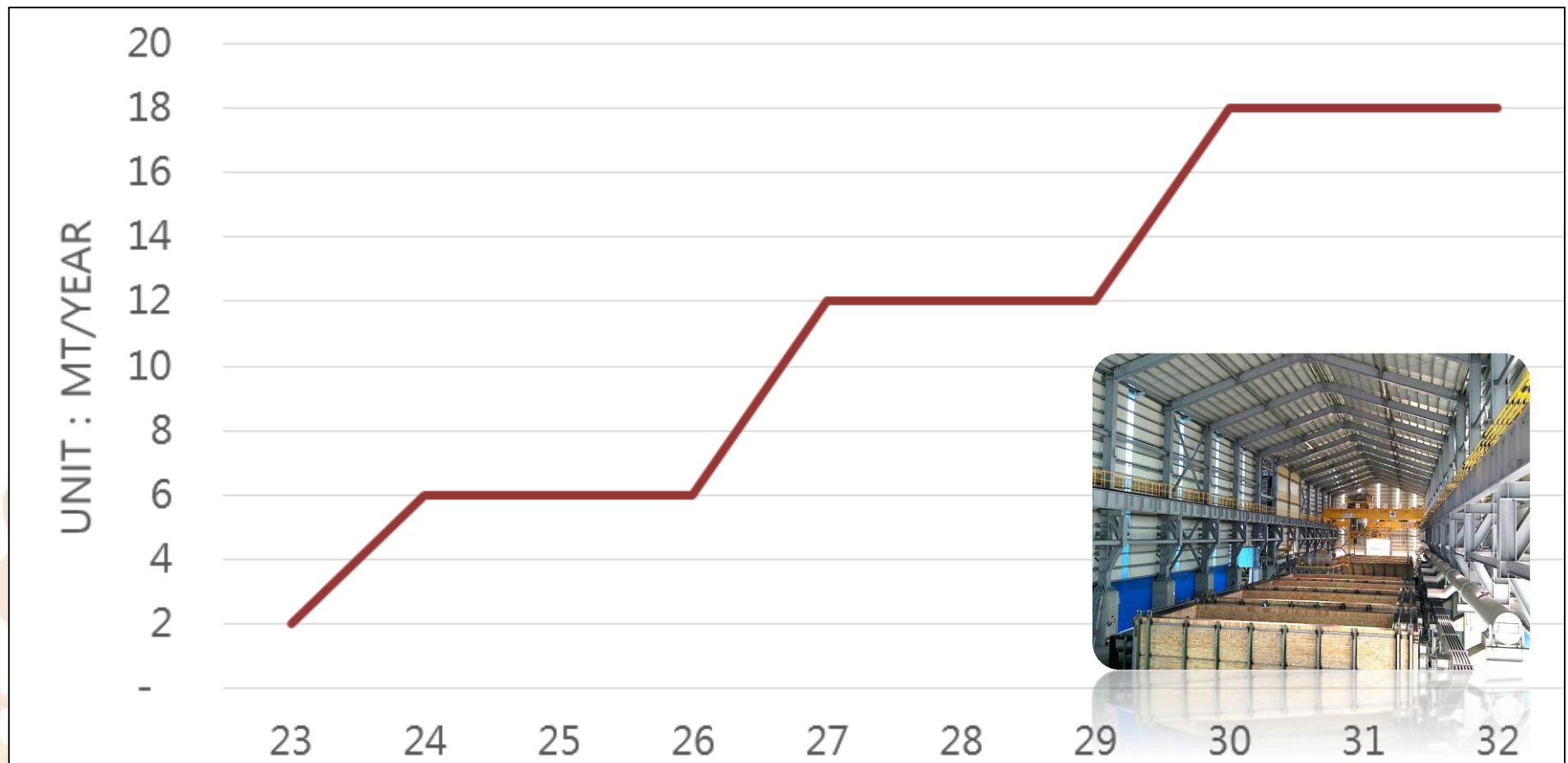
Advanced Carbon for Supercapacitors

Graphite Block



# Carbonization Furnaces Expansion

- To plan and expand carbonization furnaces due to the increased demand for anode material.



# CSCC's Meso-Graphite

■ Feature: High first columbic efficiency, high energy – density, high discharge capability and long cycle life.

■ Application: High Energy & Power density in LIB

Energy Density(Wh/Kg):Low

Power Density(W/Kg):Strong



## Future Development

- ✓ High efficient discharge characteristics(100C-200C)
- ✓ High Capacitance of Silicon Carbide products(520/550mAh/g)
- ✓ High Capacitance of fast charge products(5C/8C)
- ✓ Composite development of Mesophase and artificial graphite

**UF1**

**UF2**

Racing car / HEV



**MG11**

**MG10**

PT / Drone



**MG12**

**TAG11**

EV / ESS



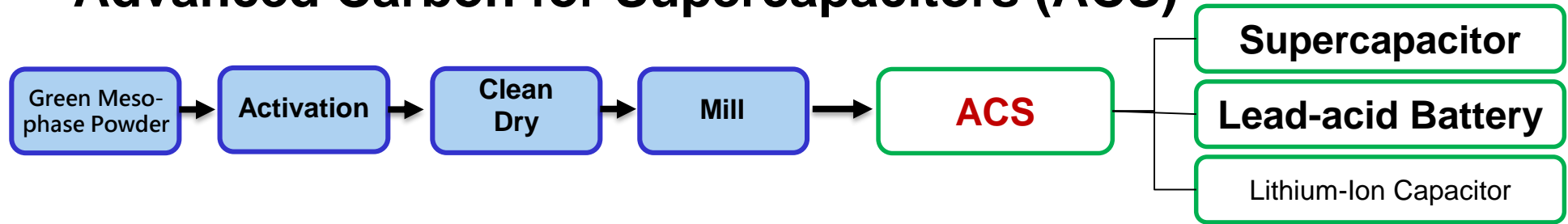
**MG13**

**BS481**

Tablets / 3C



## Advanced Carbon for Supercapacitors (ACS)



### Features of ACS

- ✓ High Surface Area
- ✓ High Capacitance
- ✓ High Quality

- ACS annual production capacity is 90MT/year(two production line)

# Applications of ACS

## Supercapacitors

- Supercapacitors have high efficient charge and discharge characteristics. Cycle life is more than twenty thousand times.

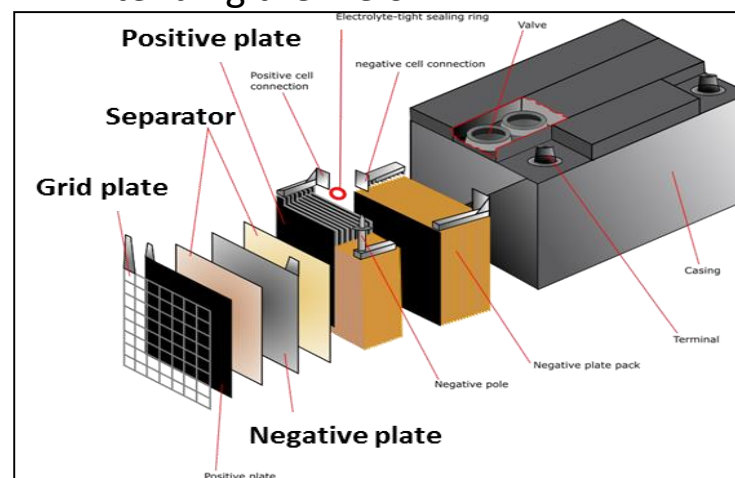


- Rail vehicle, wind power, automobile field, smart grid, smart appliances

## Advanced Lead-Acid Battery

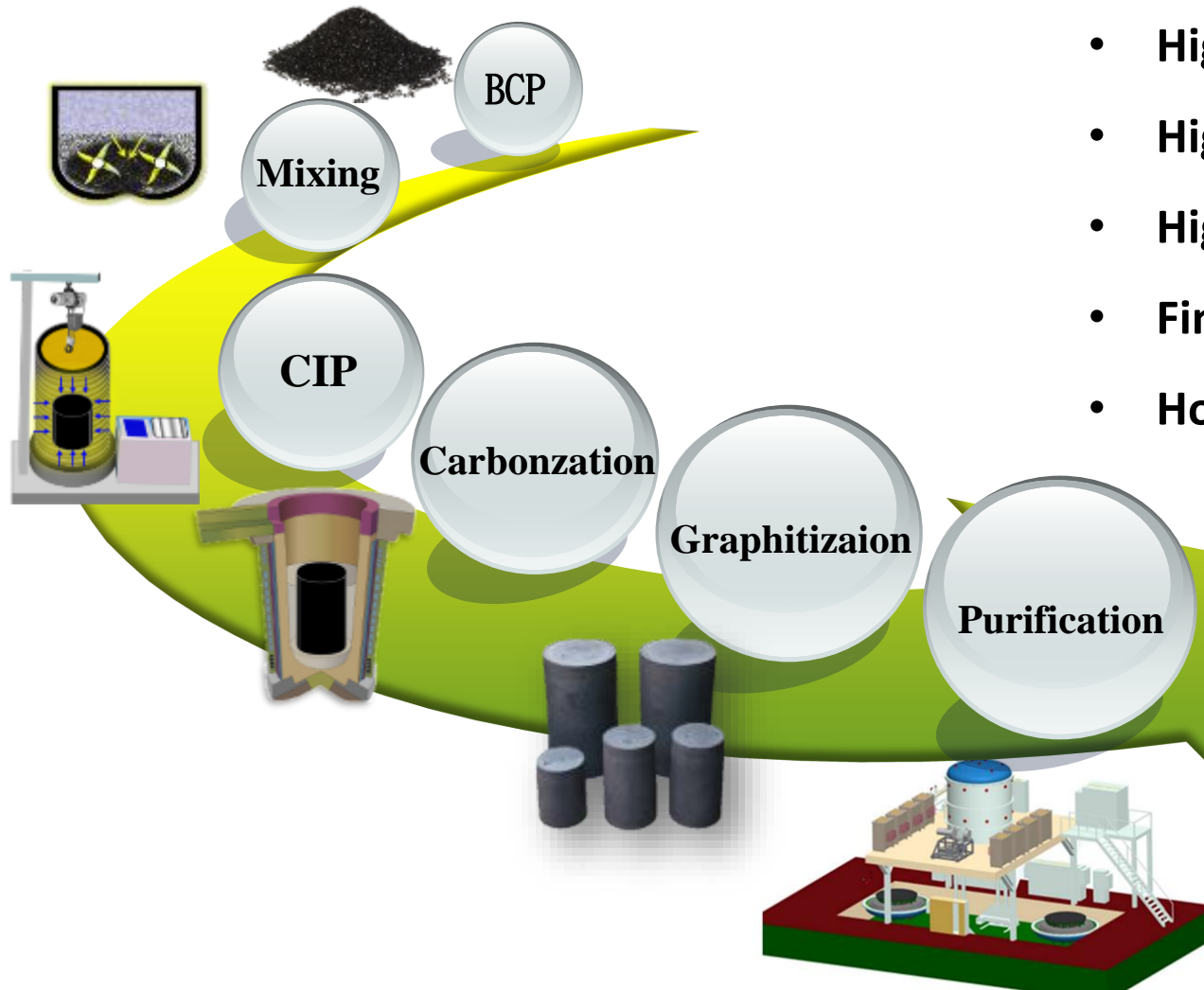
Advantages of addition activated carbon into LAB

- Increasing conductivity
- Improving the uniformity of Pb/PbSO<sub>4</sub>
- Extending the life of LAB



- Start-Stop Battery
- UPS uninterruptible power system

# Graphite Block



- Thermal and Chemical Resistance
- High Thermal Conductivity
- High Purity
- High Density
- Fine Structure
- Homogeneous

✓ Supply 5N Level high-purity carbon powder and graphite crucible, which is the key material in graphite components for semiconductor industry.



# Graphite Block

連接板



螺帽



連鑄治具



3D玻璃模具



支撐軸件



連鑄模具



加熱器



石墨電極



半導體構件



SiC長晶坩堝



SiC長晶坩堝



高純碳粉



# Our Vision

永續友善環境、綠能精緻製造  
成為綠能產業關鍵碳材料供應者

顧客至上、誠信為先、品質第一、合作無間







# Q&A

