



CHINA STEEL CHEMICAL CORPORATION (1723) Investor Conference

September 2023



Safe Harbor statement

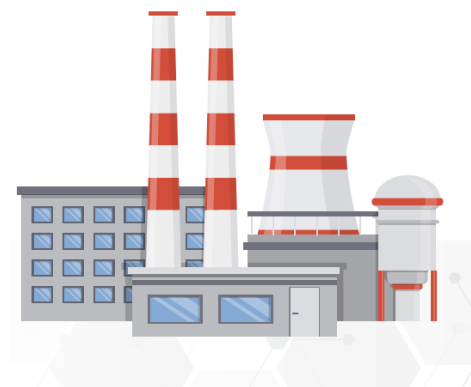
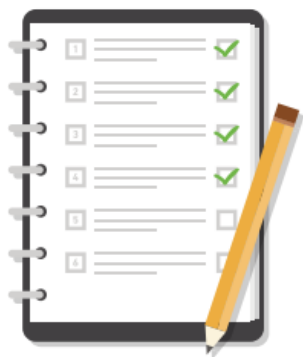
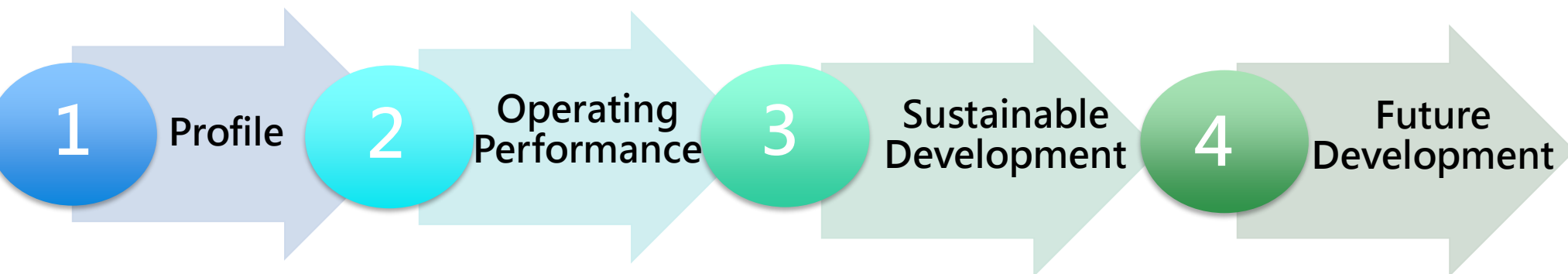
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- Such statements are based upon management's current beliefs and expectations and are subject to various risks, uncertainties and other factors that could cause actual outcomes and results to differ materially.
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Recap 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.



Agenda



1、Profile



Basic information

Company name	China Steel Chemical Corporation
Inception	February 3, 1989
Company Address	25F, No. 88, Chenggong 2nd Road, Qianzhen District, Kaohsiung City, 806
Capital	NT\$2,369,044,800
Listed Date	November 27, 1998 (Stock symbol : 1723)
Number of Employees	315 (PhD-9 、 Master-90 ; Male-87% 、 Female-13%)

- the only coal chemical company with Graphitization Furnace 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%

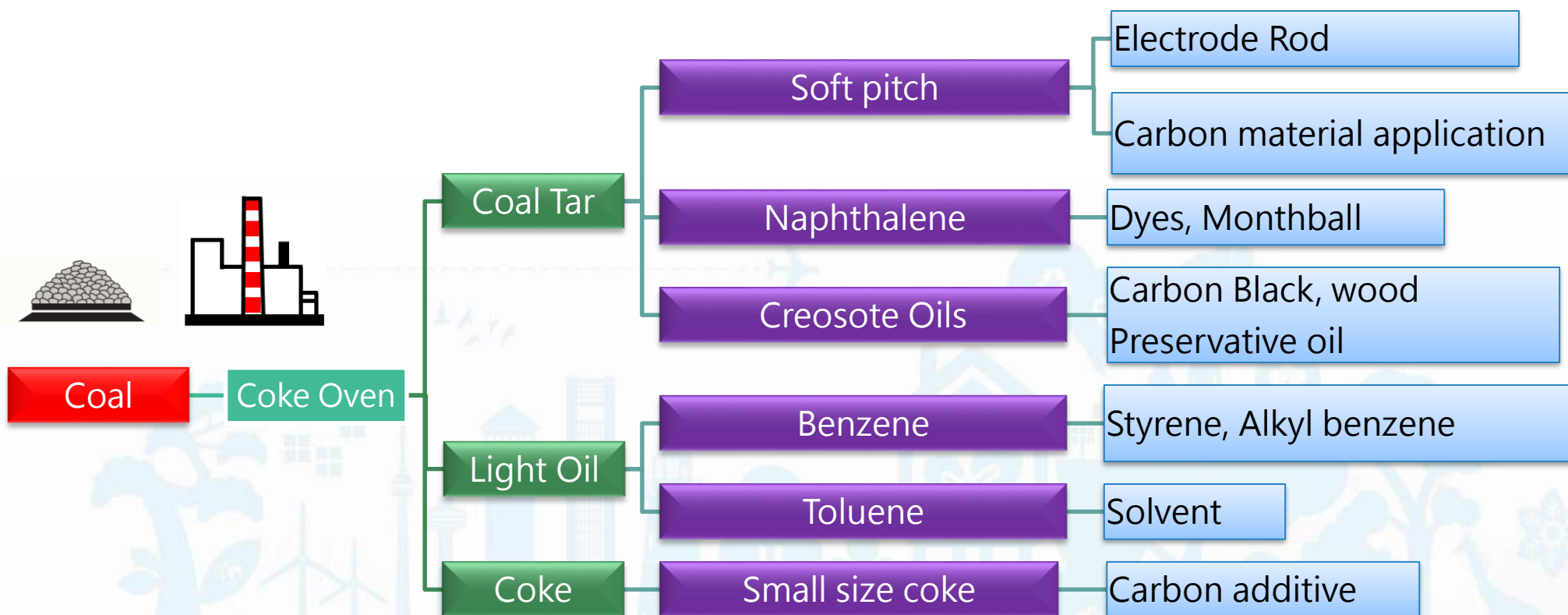
As of : July 20,2023

The Relating Product Map of Coal Chemical Industries

Upstream
(CSC · DS)

Midstream
(CSCC)

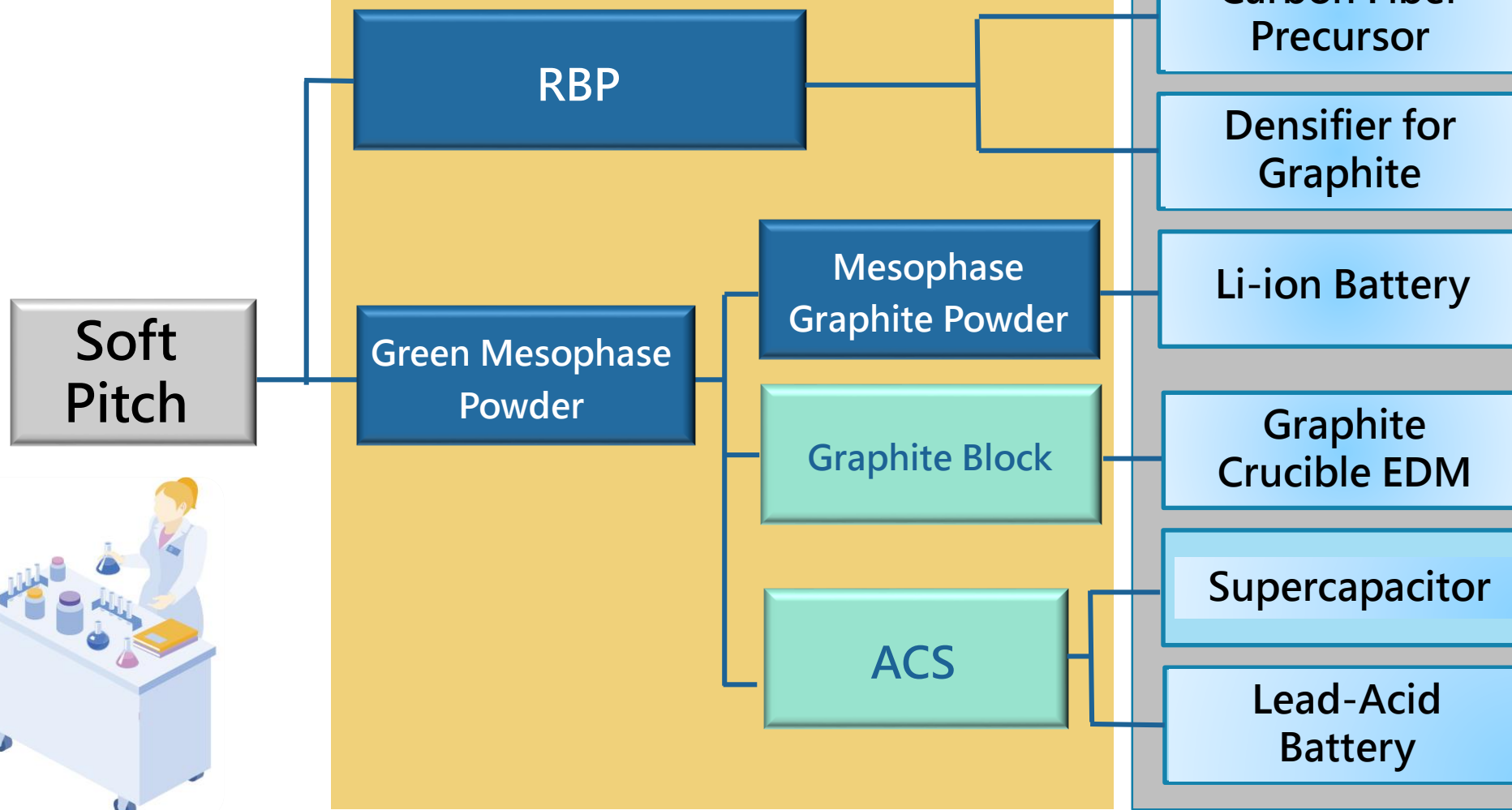
Downstream



Applications of Carbon material product

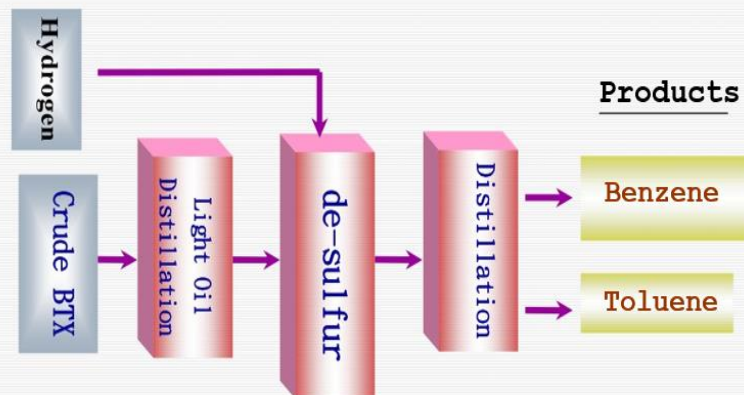
Carbon material product

Application

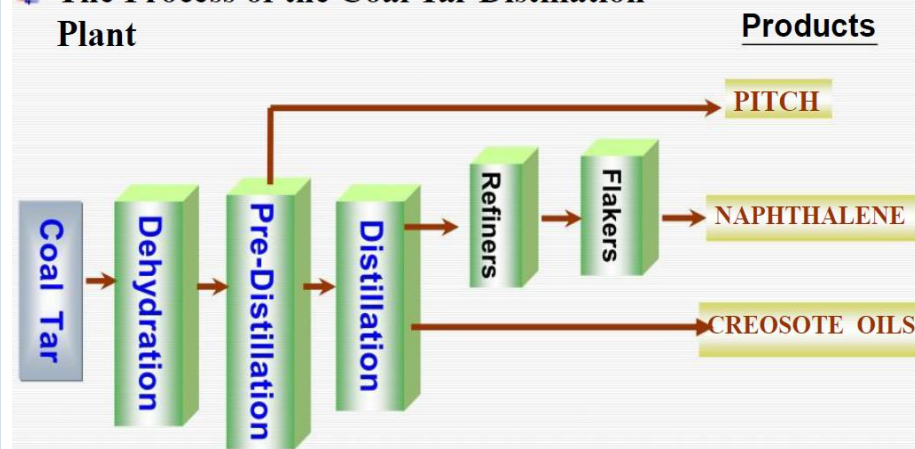


The Relating Product Map of Coal Chemical Industries

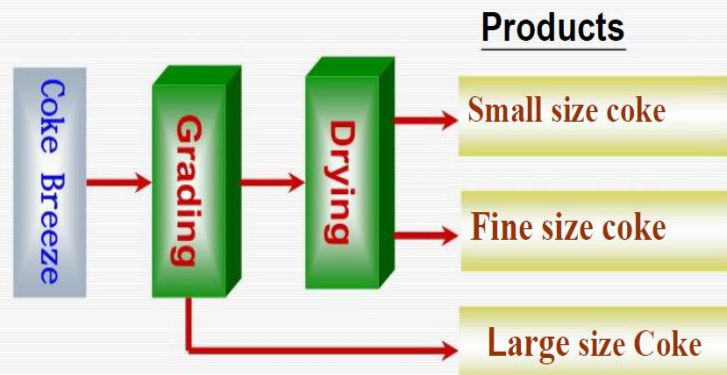
The Process of the Light Oil Distillation Plant



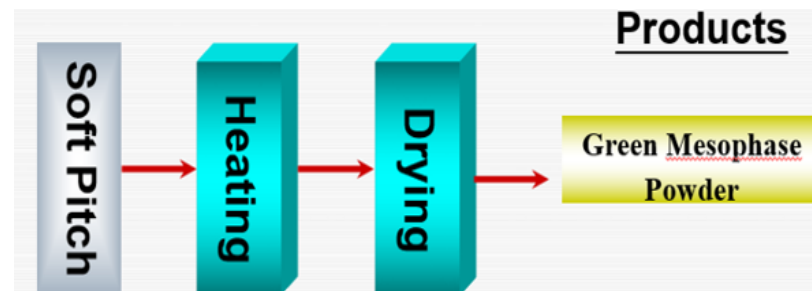
The Process of the Coal Tar Distillation Plant



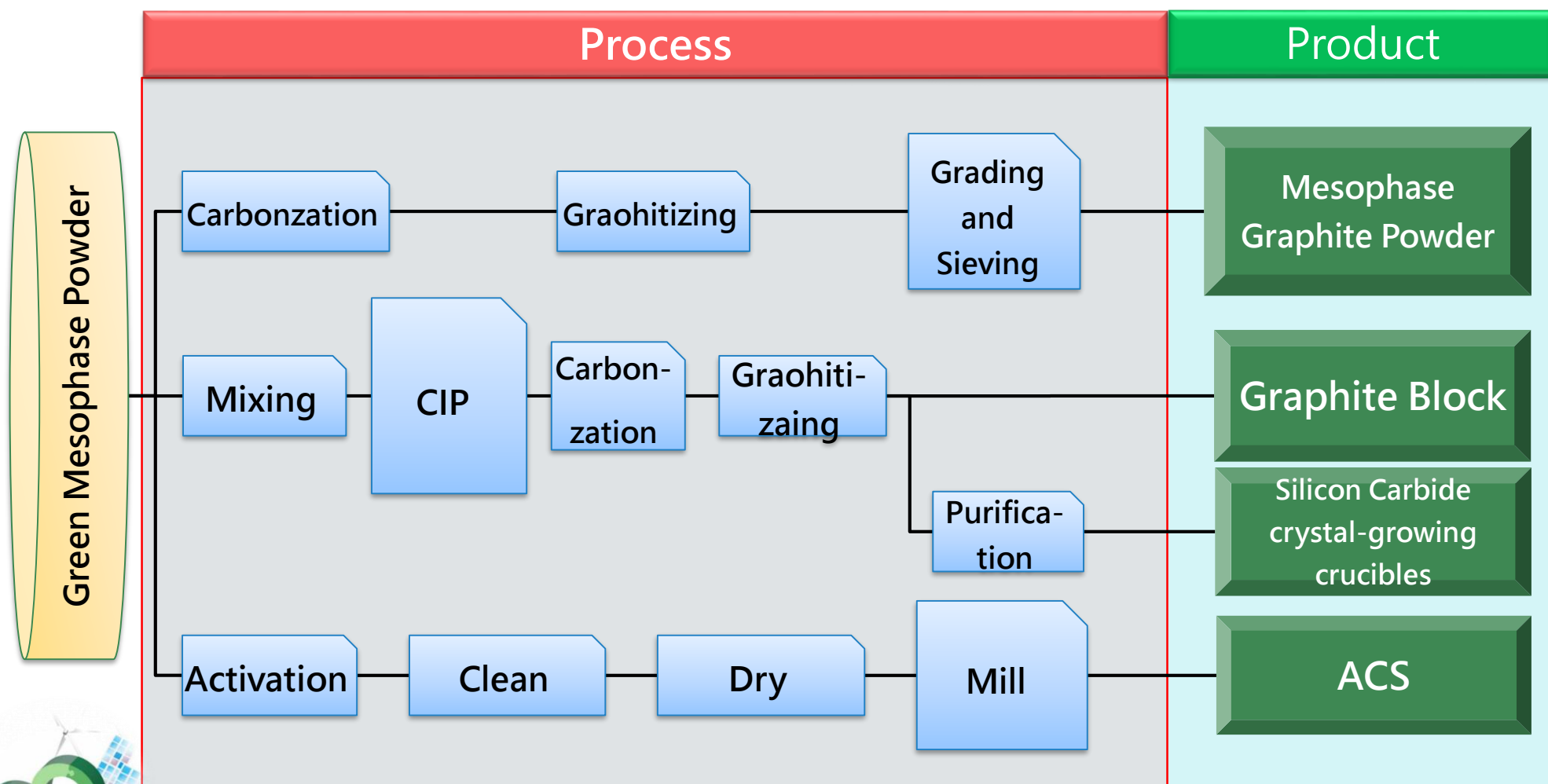
The Process of the Coke Breeze Plant



The Process of the Green Mesophase Powder plant



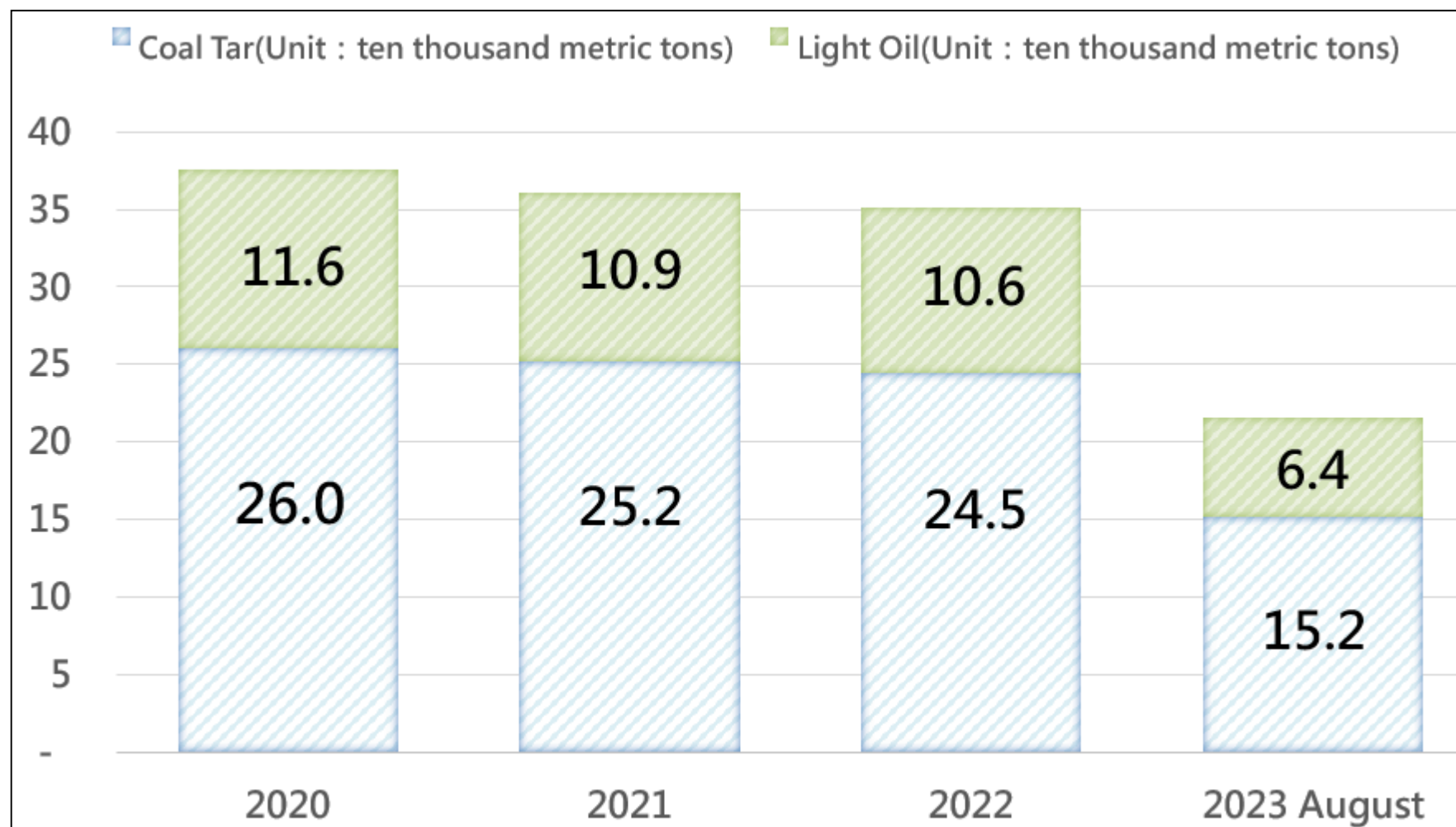
The Relating Product Map of Carbon Material Industries



2、Operating Performance



Raw material inputs



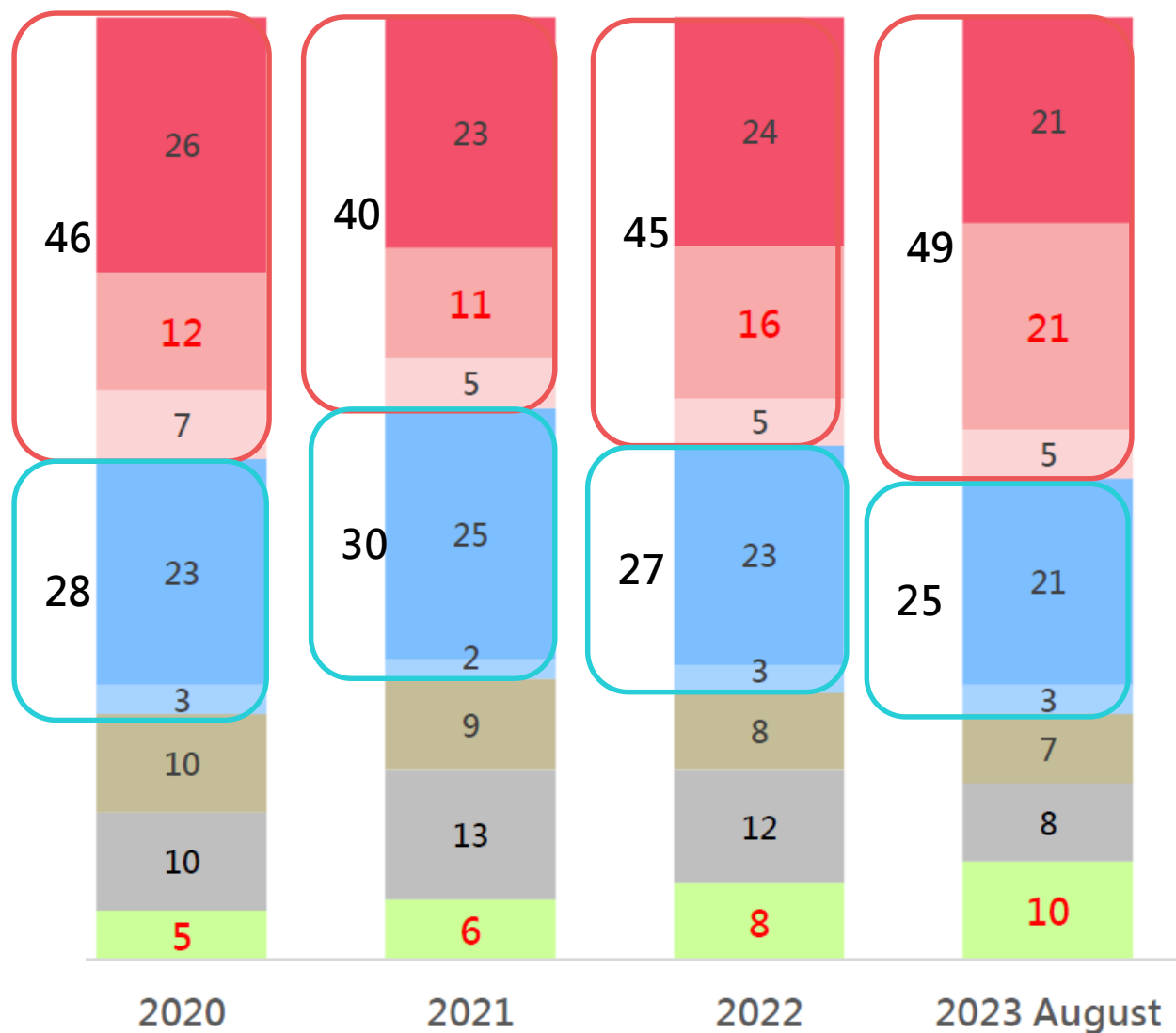
Revenue breakdown by products in the past three years

Unit : %

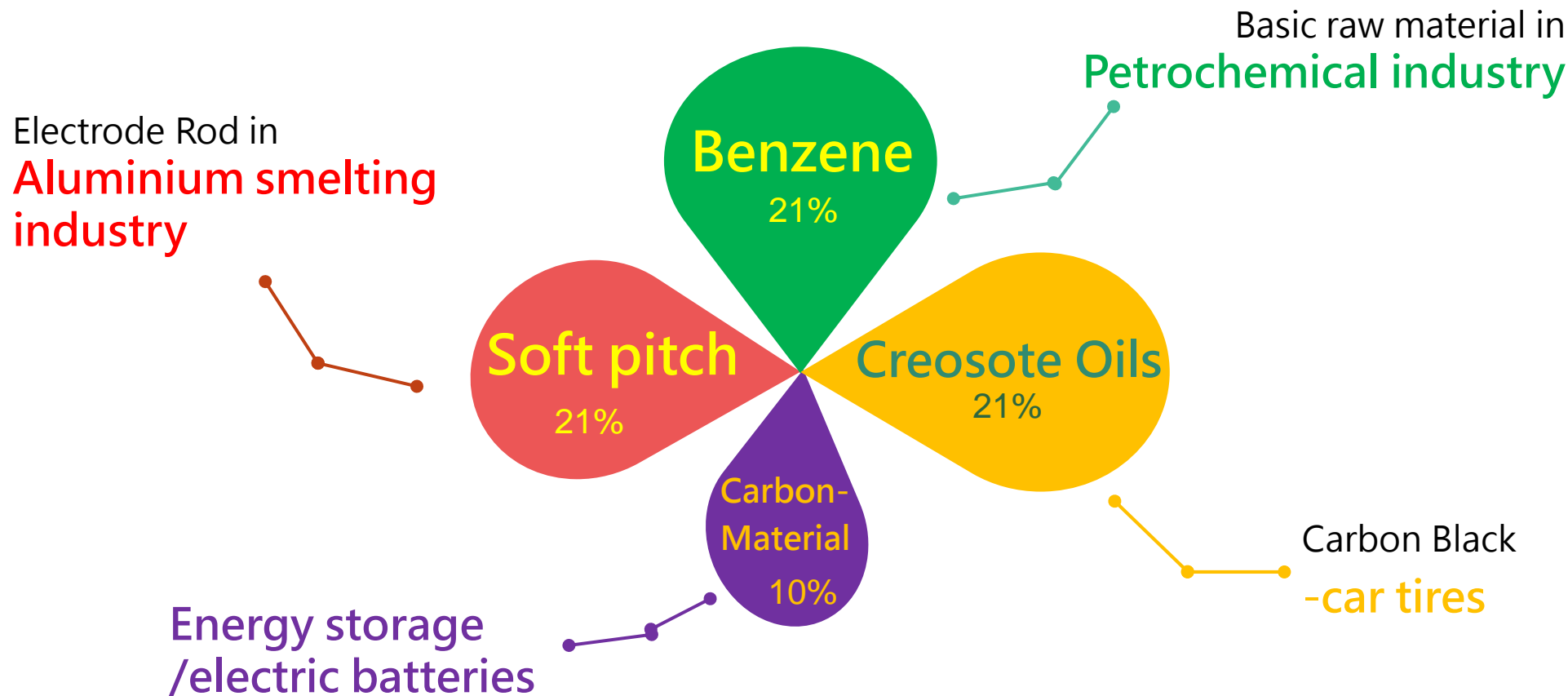
- Creosote Oils
- Soft Pitch
- Naphthalene
- Benzene
- Toluene
- Coke(including processing item)
- Trading
- Carbon Material
- Others(Balance)

□ Coal Tar Product

□ LO Product

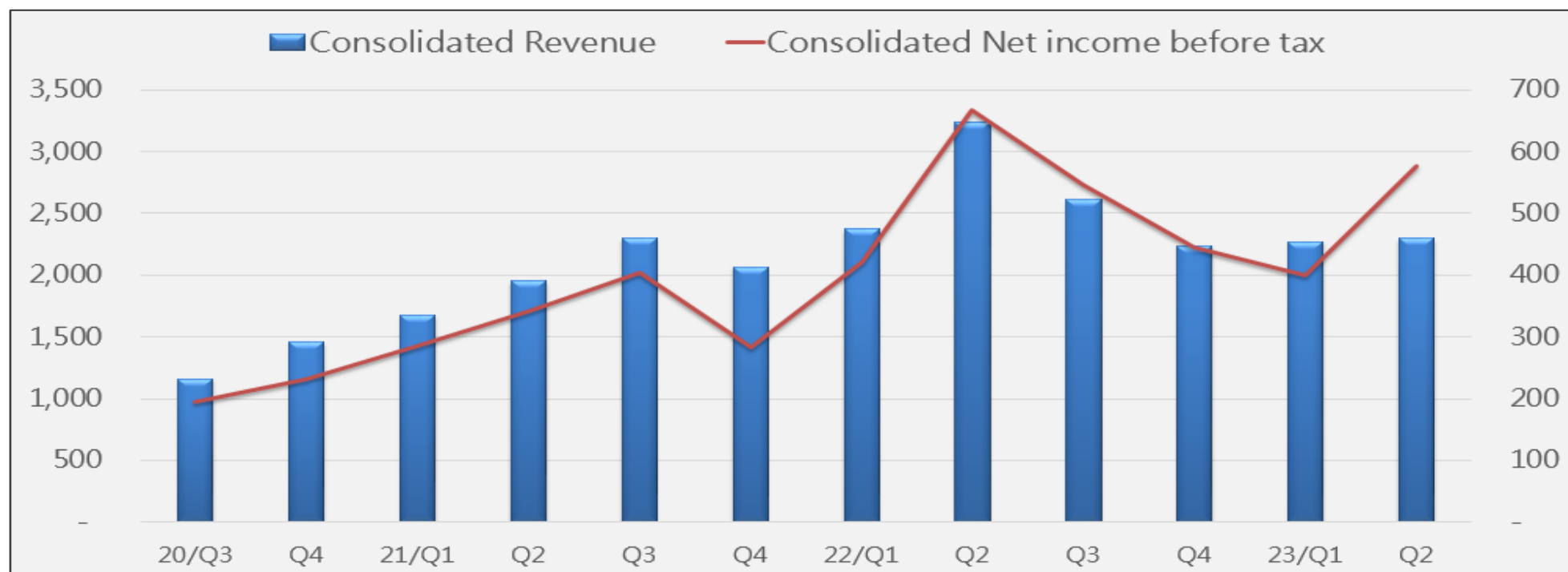


Coverage of a variety of industries



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

Unit : NTD Million



	2023 July	2023 August
Consolidated Revenue	643	666
Consolidated Net income before tax	139	144

2022

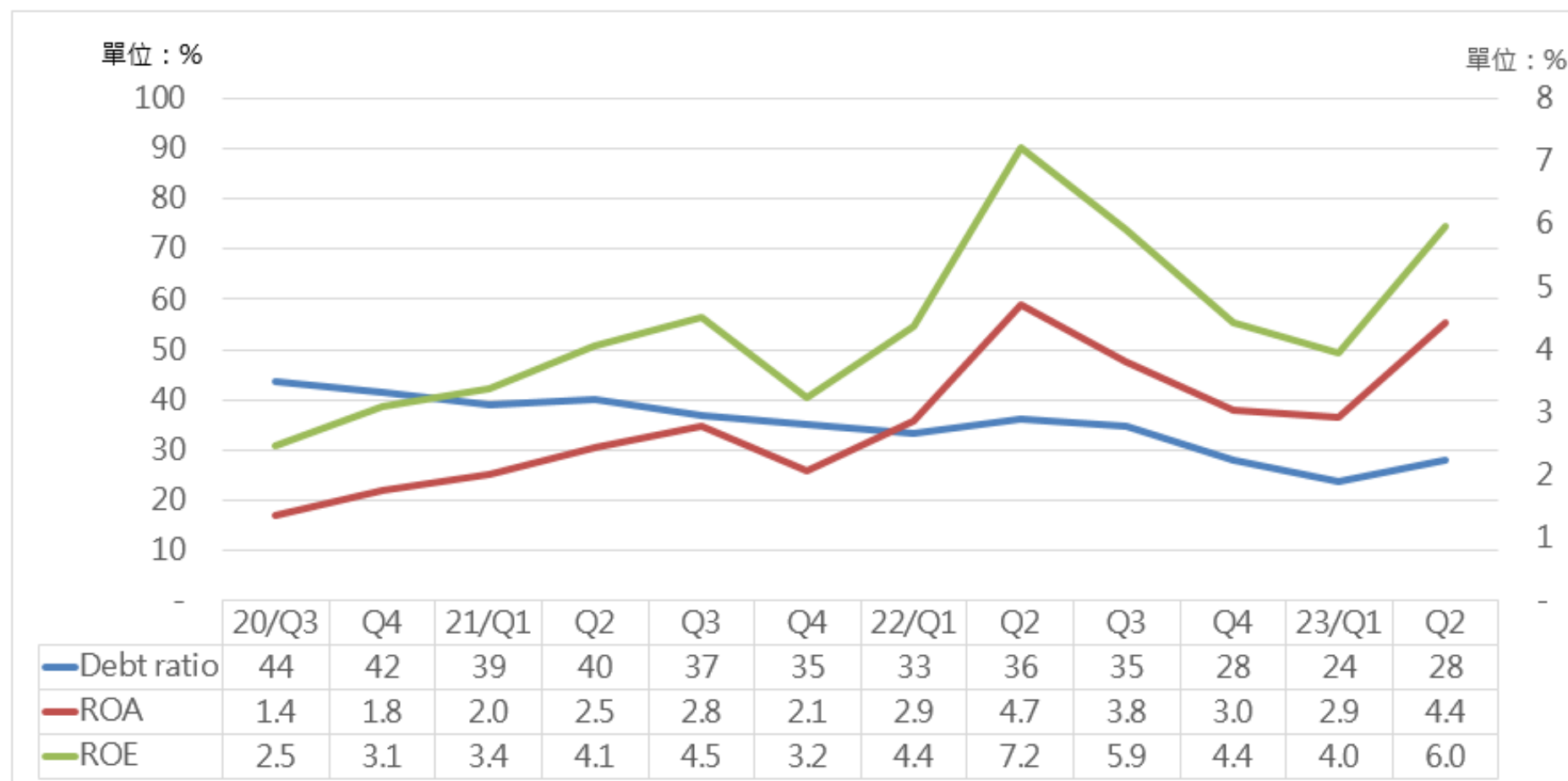
Revenue : 10,459 ; Net income before tax : 2,078

2023 January to August

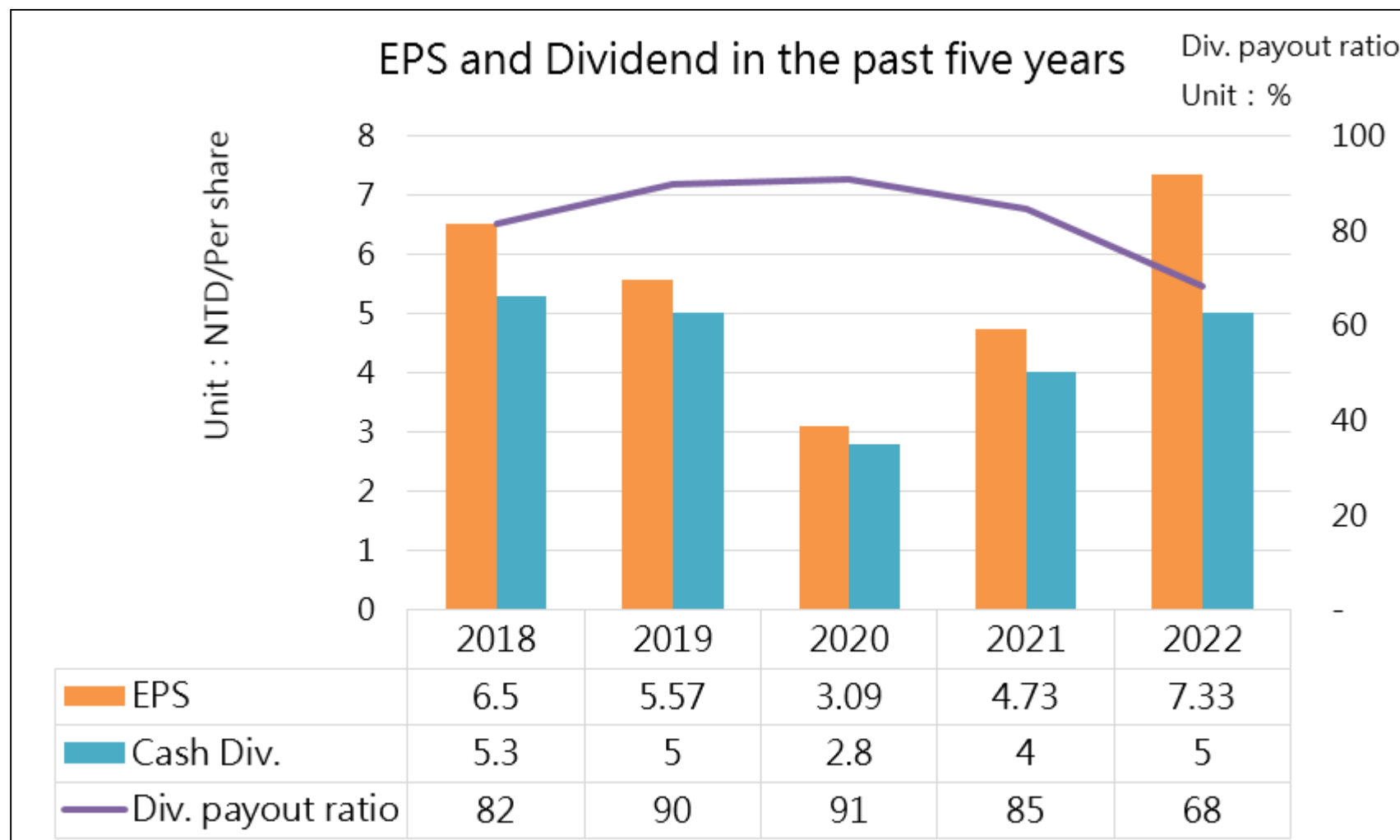
Revenue : 5,874 ; Net income before tax : 1,259

Major financial indicator

Unit : %



Dividend Policy



3 、 Sustainable Development



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 (2023)	2015~2022>1	Reduce by 1	SOx : less than 5 tons	2
Medium- term goals (2024-2027)	2015~2027>1.05	Reduce by 1.5	SOx : less than 3 tons NOx : less than 20 tons	2
Long-term goals (2028~)	2015~2032>1.1	Reduce by 2	NOx : less than 15 tons	5

Corporate governance Evaluation

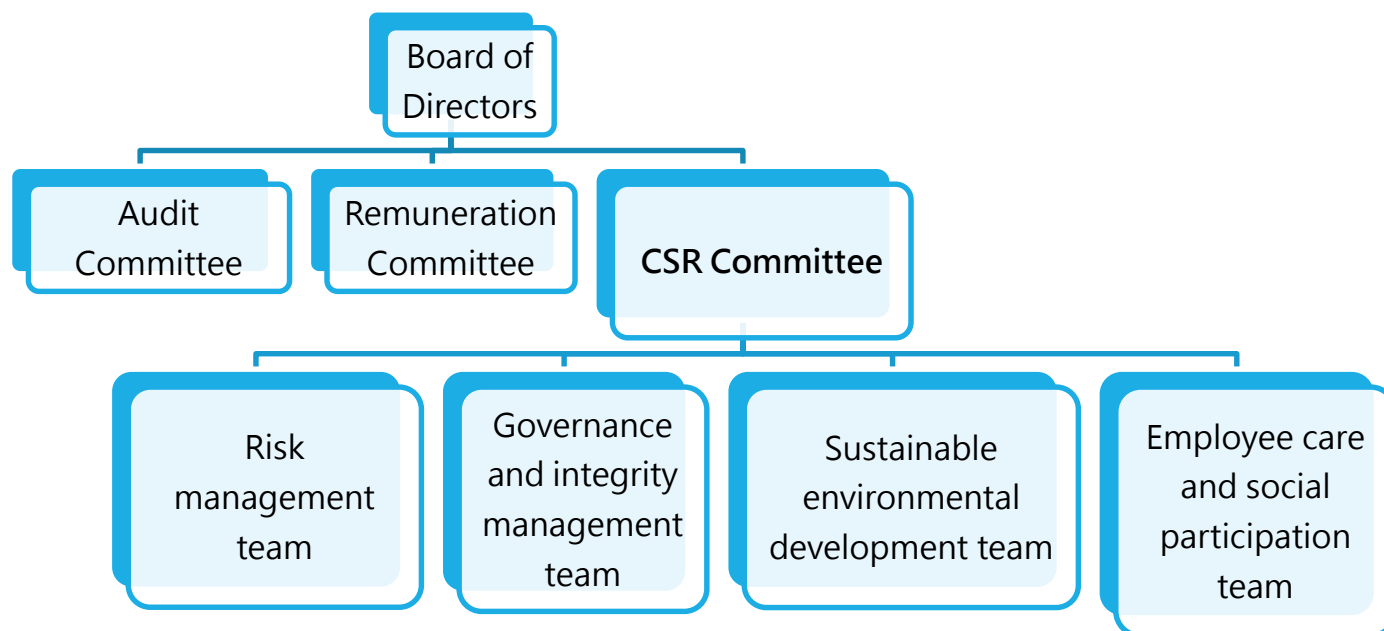
To establish Sustainable Development Committee.

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).



ESG Awards

National Enterprise Environmental Protection Award-Bronze medal(2022)

Environmental Protection and Sustainability Award(2023)

Taiwan Corporate Sustainability Award(2019)

SGS-Elite Award(2019)

Gold Award from TCSA (2019-2022)



Awarded TIPS Level A Patent and certification(2021-2024)

Awarded Certification of information security ISO 27001(2023)



Commence the introduction of the Task Force on Climate related Financial Disclosure in CSR report

Awarded for Excellent Trading Business(2023)

Top 100 Carbon materials competitiveness on Business Weekly(2022)

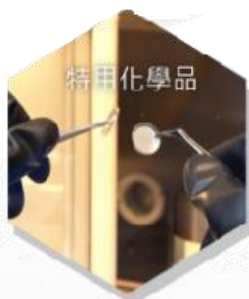
Awarded Badge of Accredited Healthy Workplace(2022)

Sustainability Linked Loan(2022-2023)

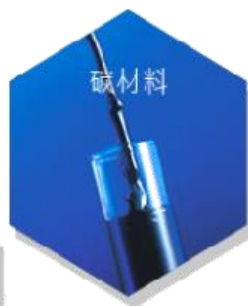
4、Future Development



顧客至上



特用化學品



碳材料

品質第一

誠信為先



展望未來

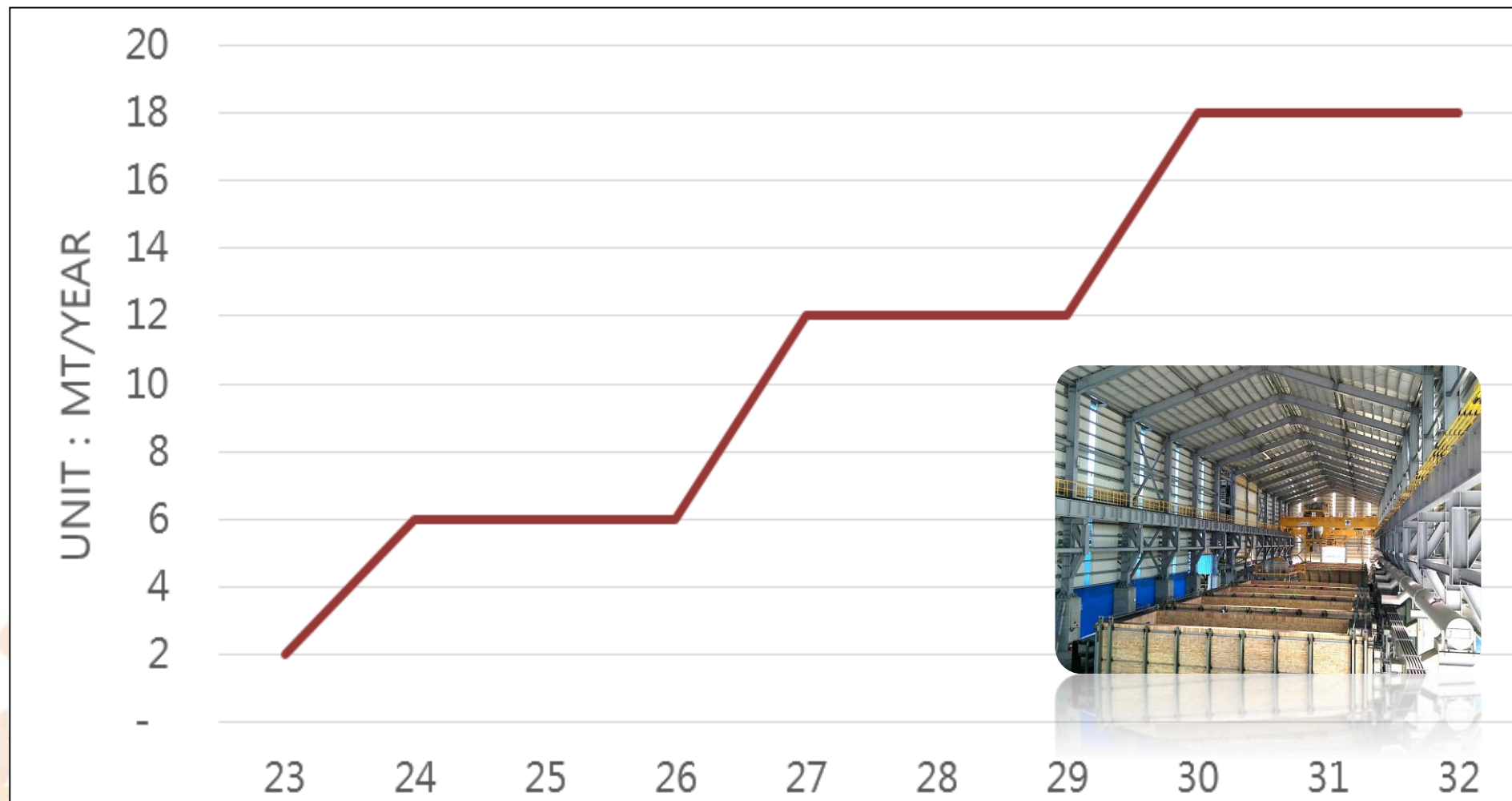
合作無間

Anode material

Advanced Carbon for Supercapacitors

Graphite Block

Carbonization Furnaces Expansion



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

High

Power Density(W/Kg):Strong

Low

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

MG10
MG08

MG11
FMGP

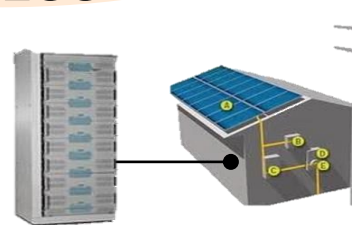
MG12
MGP

MG13

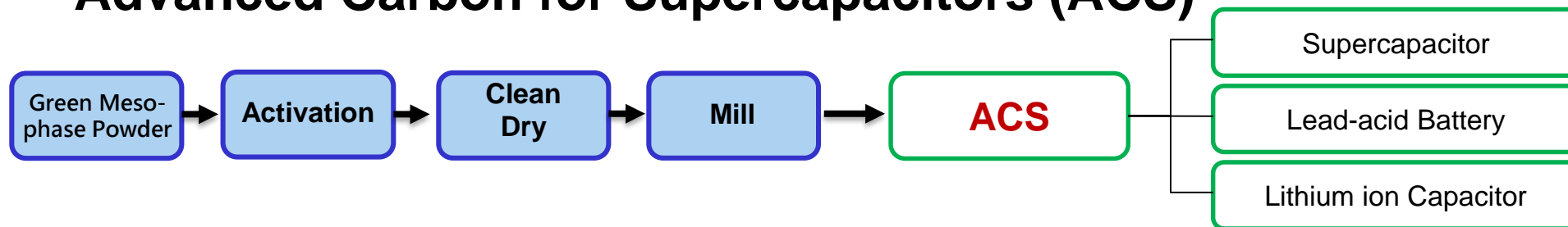
PT/HEV

EV/ESS

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.

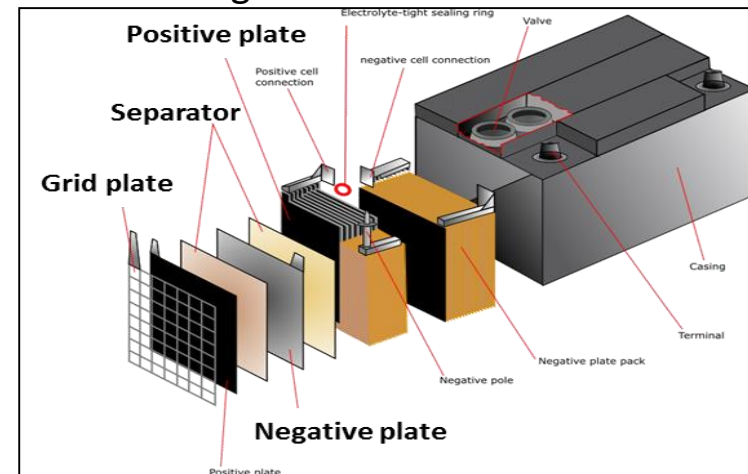


- Rail vehicle, wind power, automobile field, smart grid, smart appliances

Advanced Lead-Acid Battery

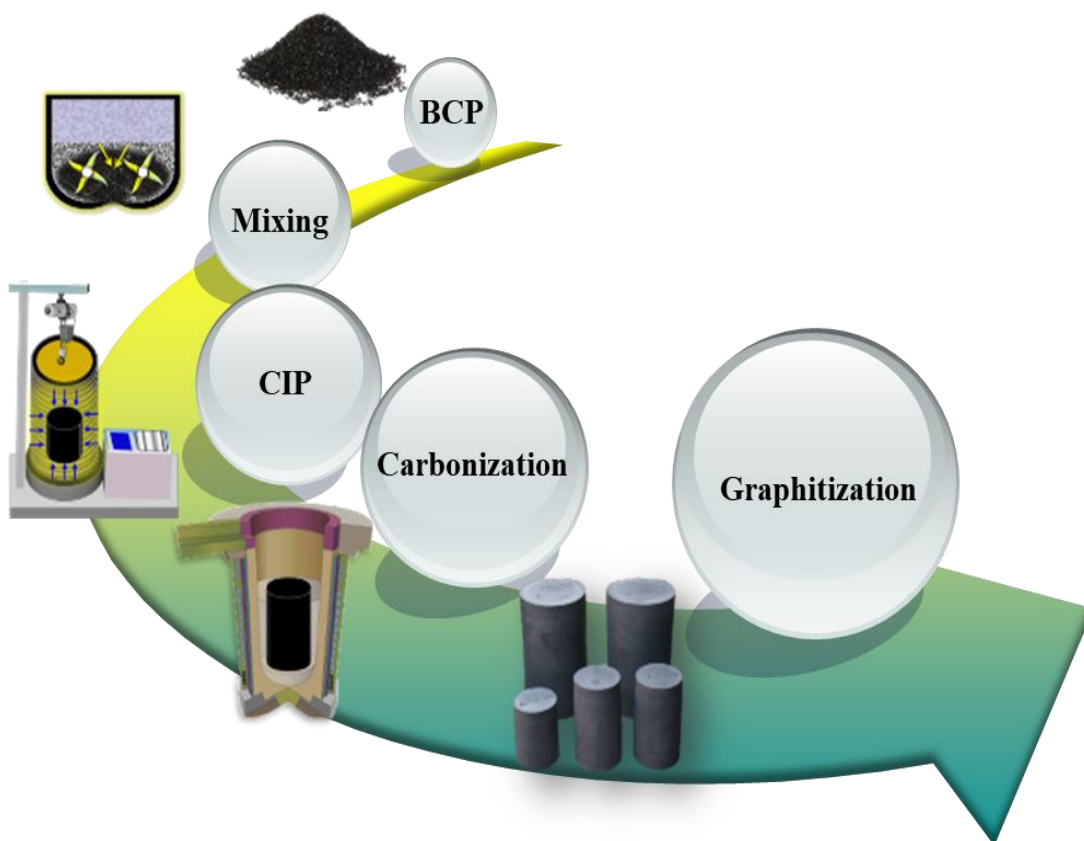
Advantages of addition activated carbon into LAB

- Increasing conductivity
- Improving the uniformity of $Pb/PbSO_4$
- 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.

等方性石墨應用

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



治具



Our Vision

煤化學及碳材料的領航者

顧客至上、誠信為先、品質第一、合作無間





Q&A

