



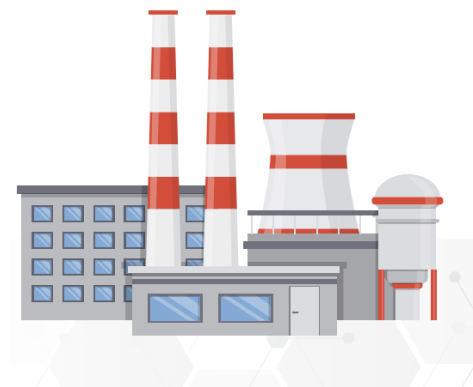
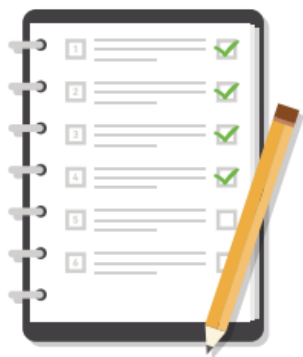
CHINA STEEL CHEMICAL CORPORATION (1723) Online Investor Conference

August 11, 2022

Safe Harbor statement

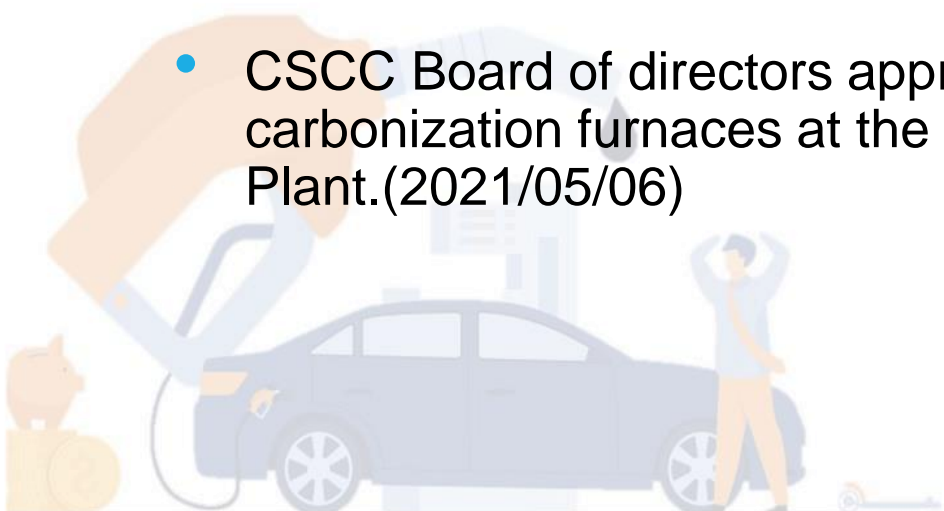
- This presentation may contains forward-looking statements. All statements other than historical and current fact, without limitation, including business outlook, predictions, estimates, are forward-looking statements.
- Such statements are based upon management's current beliefs and expectations and are subject to various risks, uncertainties and other factors that could cause actual outcomes and results to differ materially.
- We caution readers not to place undue reliance on forward-looking statements as these statements speak only as of the date they are made, and we disclaim any obligation to, update or alter any forward-looking statements, whether as a result of new information, future events or otherwise, except as required by applicable law or regulation.
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Agenda



Recap of Recent Major Events

- CSCC Board of directors approved the investment in a second line of graphitization furnaces at the Pingnan Carbon Materials Plant.(2022/05/05)
- CSCC Board of directors approved the setup of the halogen purification furnace to facilitate development of highly pure carbon materials.(2022/08/03)
- CSCC Board of directors approved to suspend capital injection to Formosa Ha Tinh Steel Corporation (FHS).(2022/08/03)
- CSCC Board of directors approved the investment in a second line of carbonization furnaces at the Pingnan Carbon Materials Plant.(2021/05/06)



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)

➤ the only coal chemical company in Taiwan

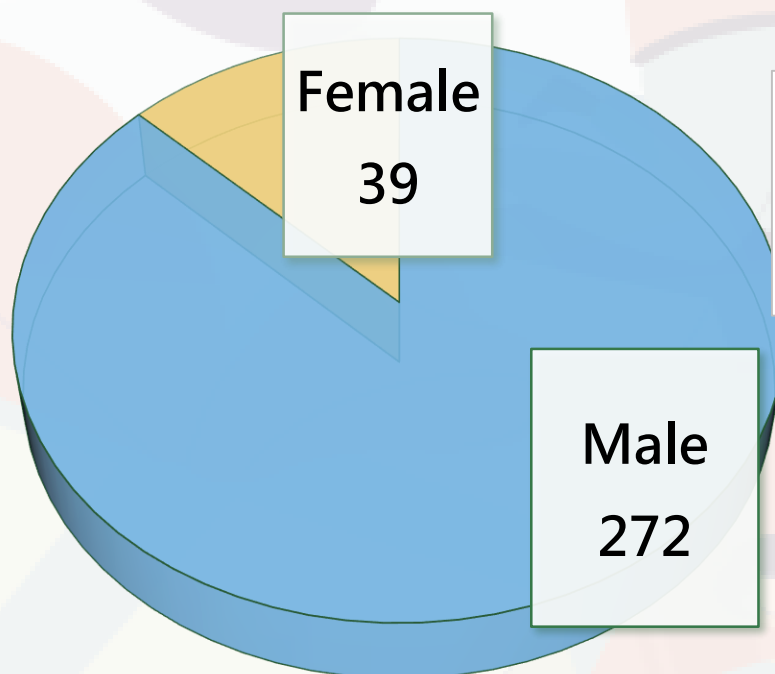
The structure of shareholder

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%

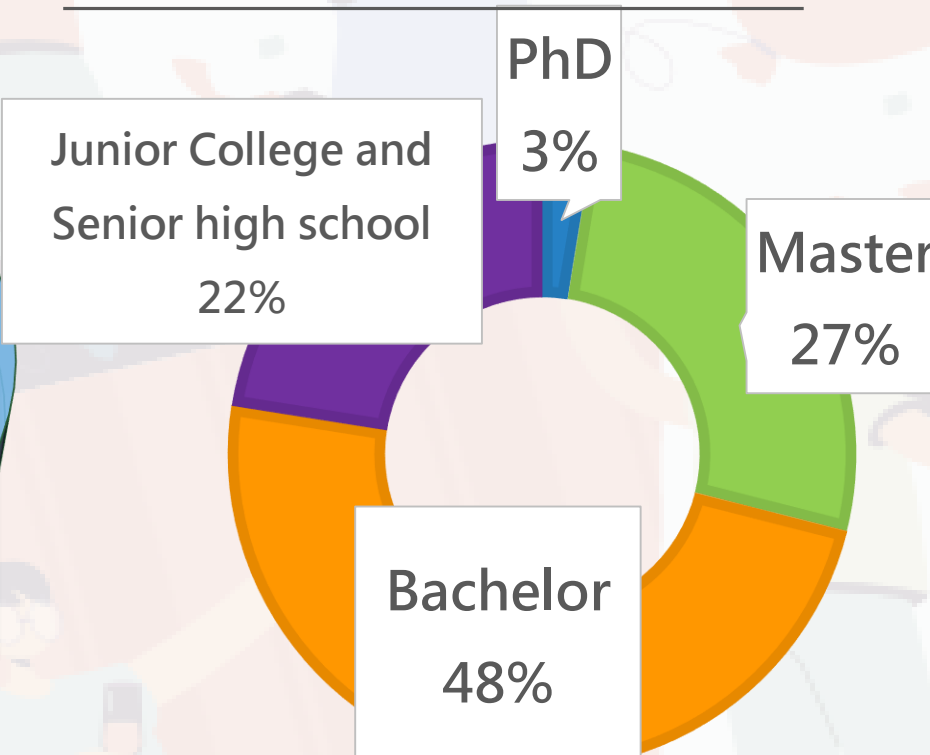
As of : July,2022

Academic degree in CSCC employees

NUMBER OF EMPLOYEES



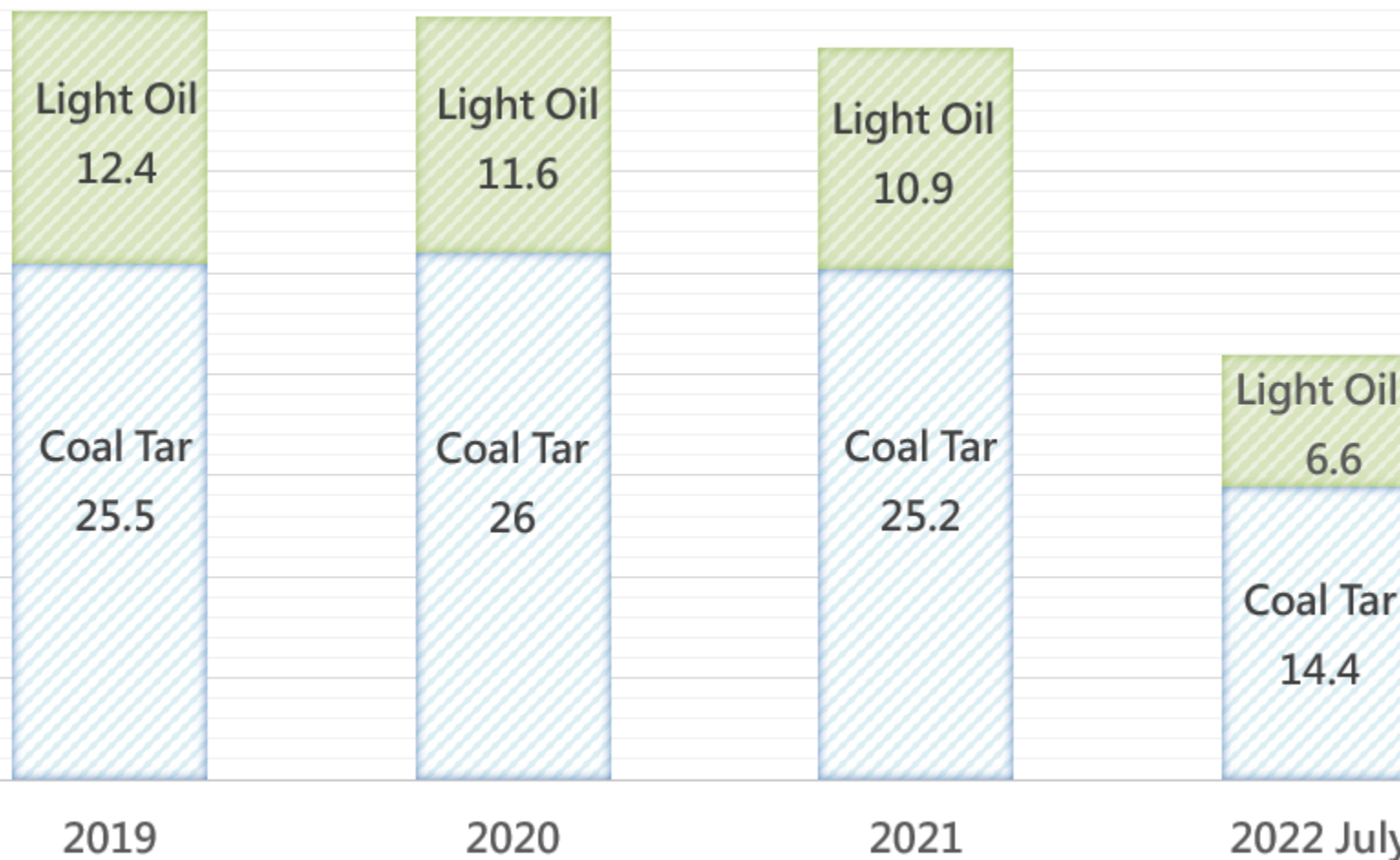
EDUCATION BACKGROUND



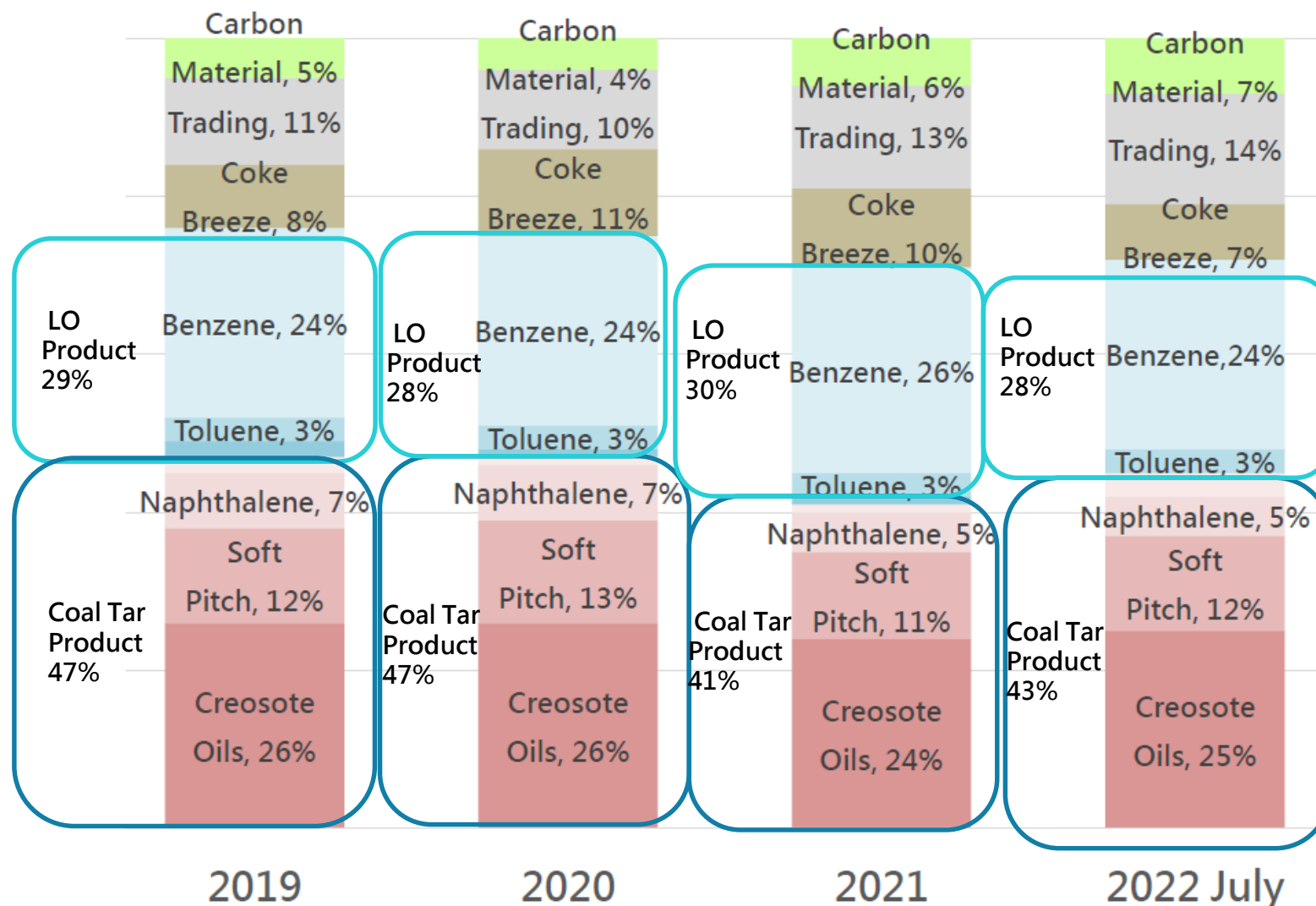
The total number of employees is 311 as of August.,2022 °

Raw material inputs

Unit : ten thousand metric tons



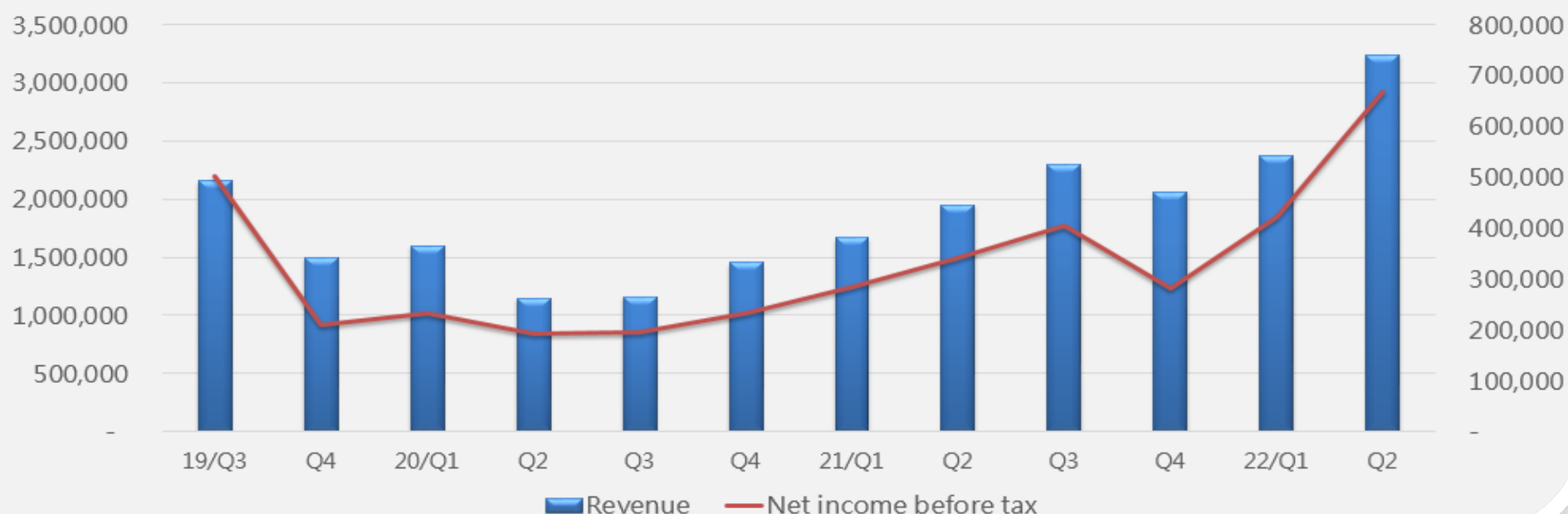
Revenue breakdown by products



Financial Statement

Unit : NTD Thousand

Revenue and Net income before tax in the past three years



2022 July

Revenue 964,882

Net income before tax 191,997

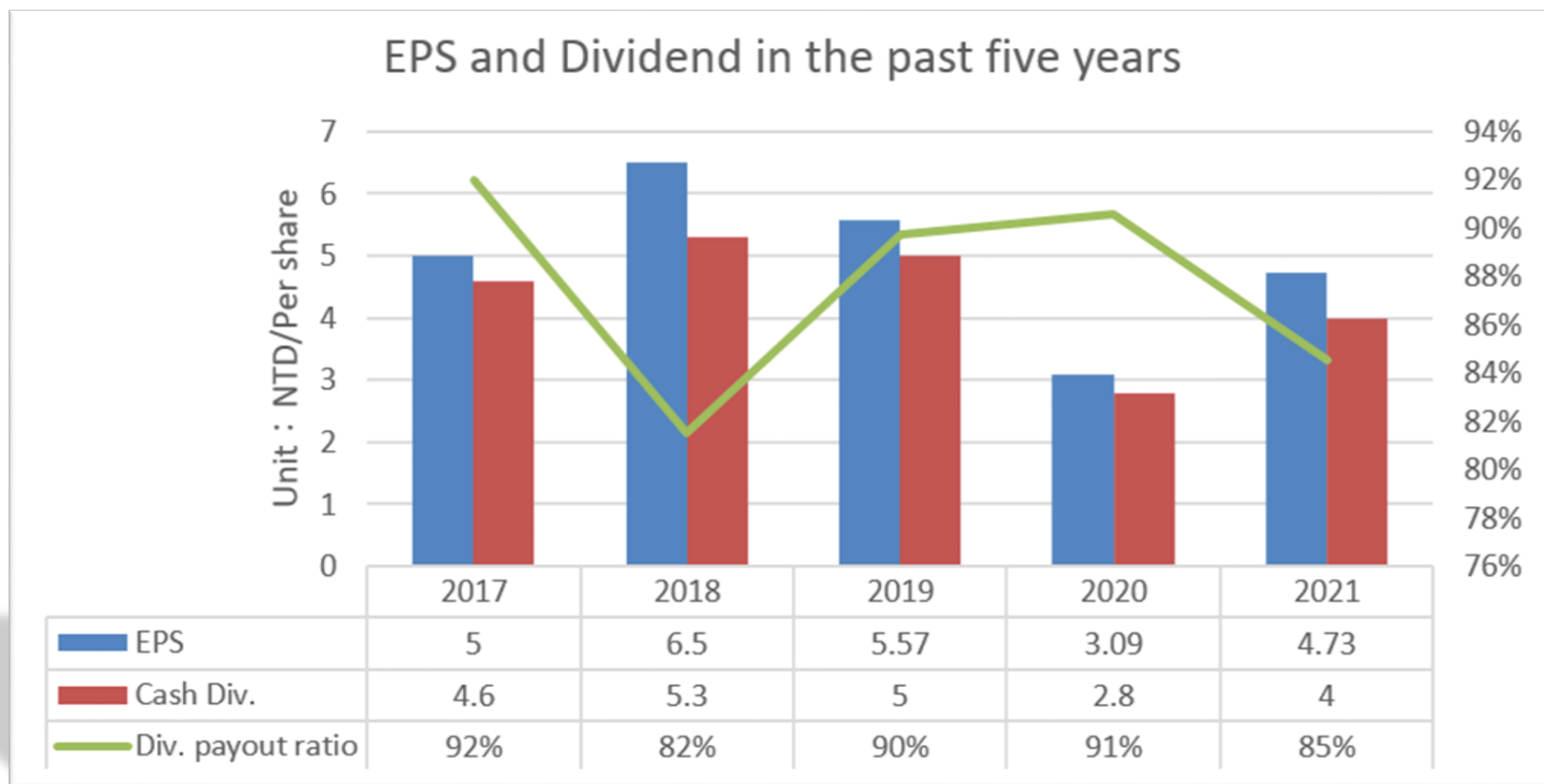
2021

Revenue : 7,982,441 ; Net income before tax : 1,313,173

2022 January to July

Revenue : 6,579,922 ; Net income before tax : 1,280,468

Dividend Policy



The appropriation of earnings for 2021 had been approved in the shareholder' s meeting in 2022 June.

2 、 Governance



Awards

Energy
Management

ISO
50001

Environment
Management

ISO
14001

Quality
Management

ISO9001

IATF16949

Occupational
Safety and
Health

OHSAS18001

ISO 45001

CNS 15506

Laboratory
Accreditation

CNLA

ISO17025

Intellectual
Property

TIPS

Awarded in the past three years

SGS-2019 Elite Award

TCSA - 2019 Taiwan Corporate Sustainability Award

Gold Award from TCSA(2019~2021)

Recent goals

ISO 27001 ISMS

Workplace health
certification



Governance-ESG executive summary

Environment



To construct ISO 14001 energy management system and establish ISO 14064 Emissions Inventories and Verification

To commence the introduction of the Task Force on Climate related Financial Disclosures(disclose guide for financial information in CSR report.

Social



To take care the community and join the donation to social care activities, visit neighborhoods and villages nearby the Company from time to time and sponsors community activities to achieve healthy interactions with community residents.

Governance

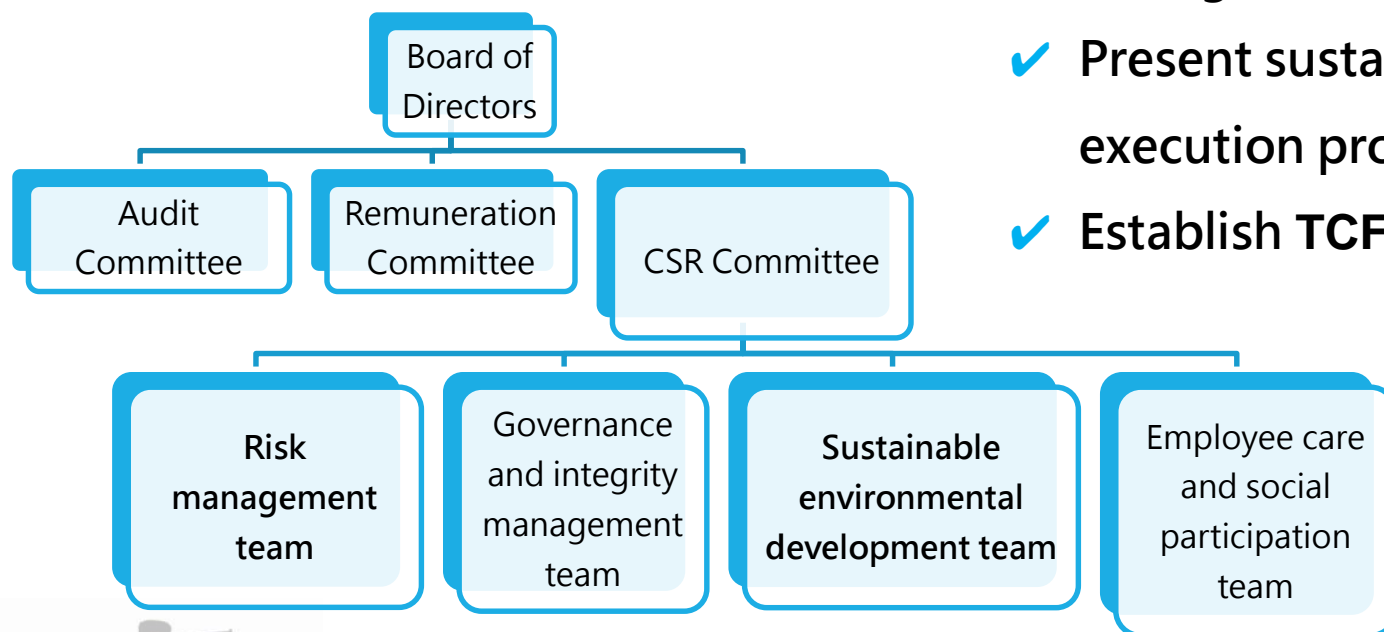


According to corporate governance evaluation results, CSCC was in the top ten percent(10 billions market value).

To establish Sustainable Development Committee.

Energy saving and carbon reduction

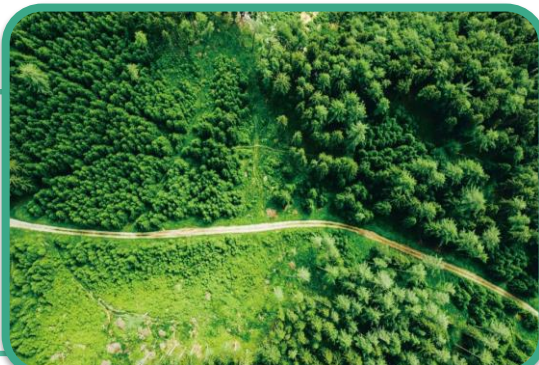
- ✓ Pass ESG short, medium and long-term goals
- ✓ Present sustainable development execution progress for 2021
- ✓ Establish **TCFD** team



➤ CSCC was involved TWSE Corporate Governance 100 index.



ESG goals



Environment

- To implement carbon reduction projects.



Society

- To hold mountain cleaning and tree planting activities.



Governance

- To carry out board of director performance evaluation.
- To establish risk management mechanism.

3 、 Product and application

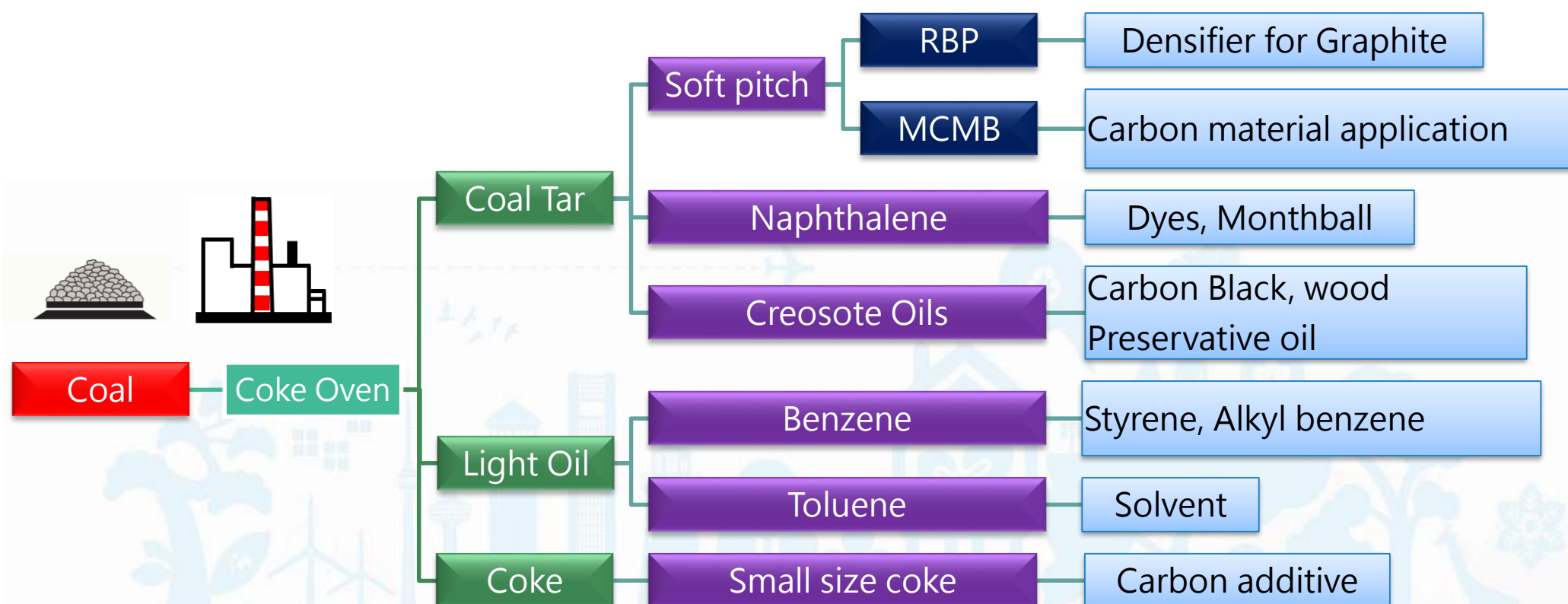


The Relating Product Map of Coal Chemical Industries

Upstream
(CSC · DS)

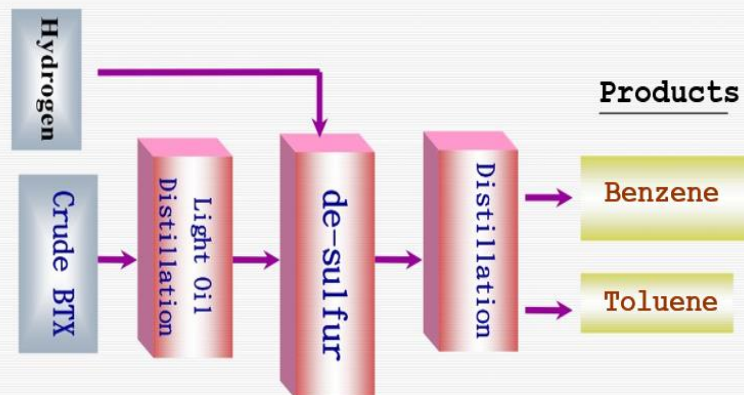
Midstream
(CSCC)

Downstream

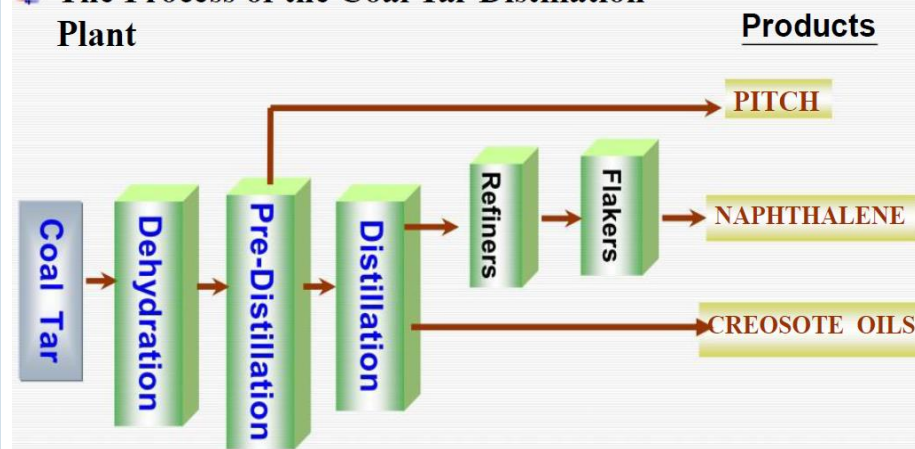


The Relating Product Map of Coal Chemical Industries

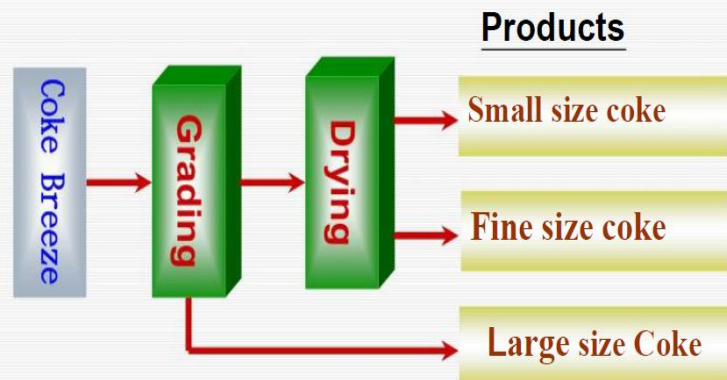
The Process of the Light Oil Distillation Plant



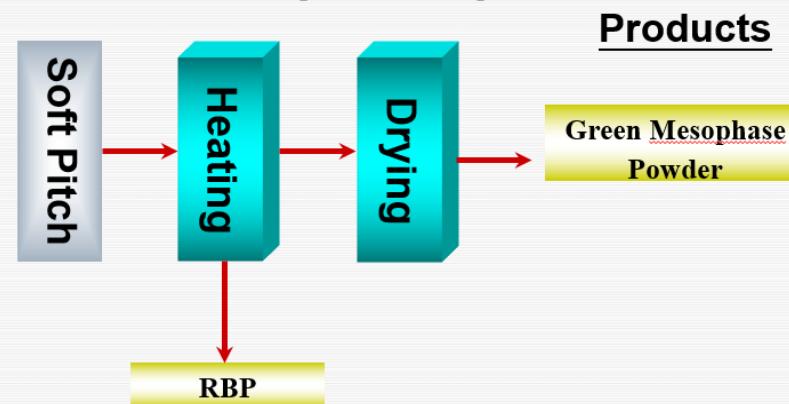
The Process of the Coal Tar Distillation Plant



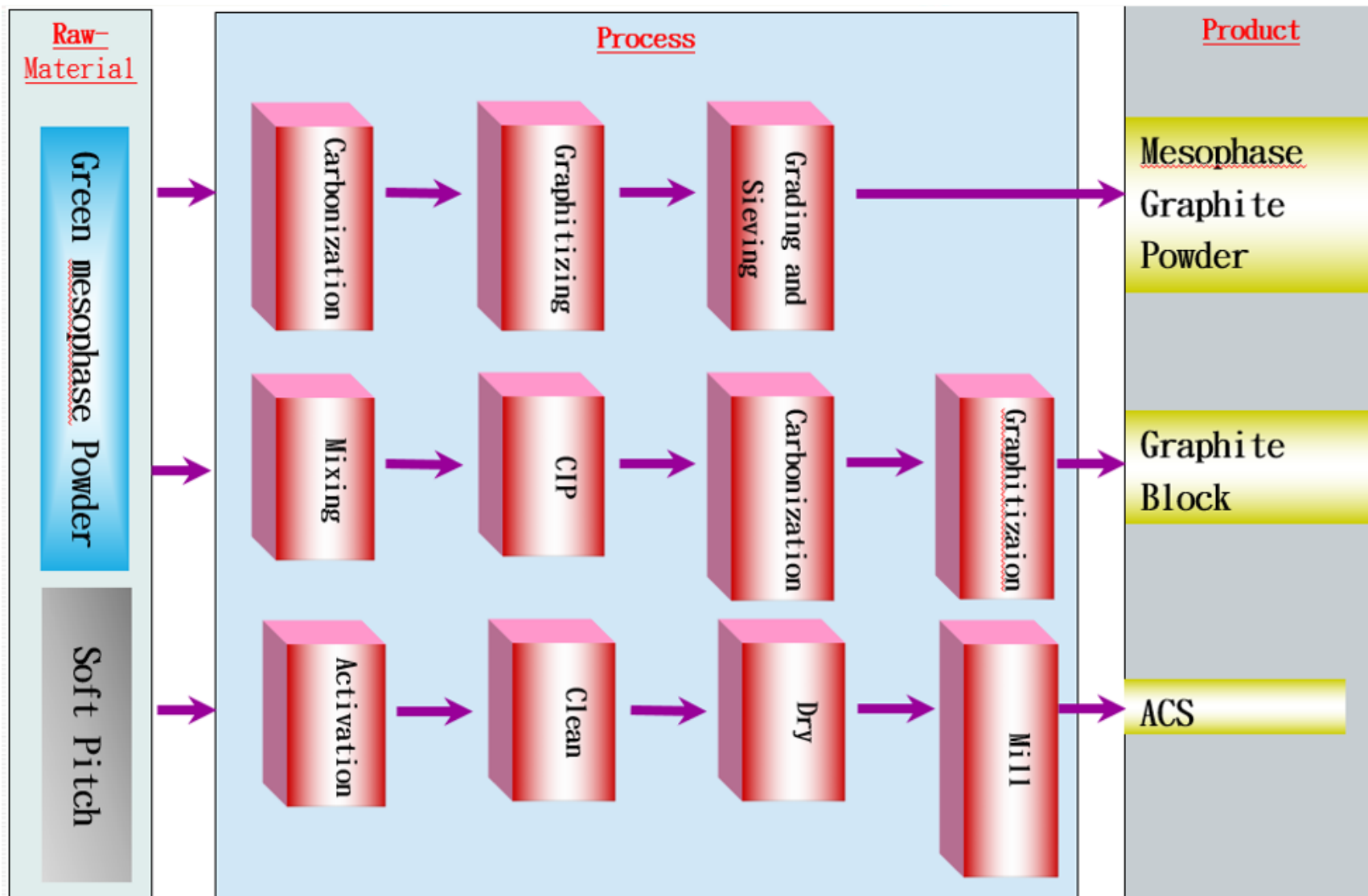
The Process of the Coke Breeze Plant



The Process of the Green Mesophase Powder plant



The Relating Product Map of Carbon Material Industries



The Appliance of Benzene

Benzene

Styrene

**External shell for
3C's product and
sport materials**



Phenol

Epoxy resin paint



Caprolactam

Nylon



**Alkyl-
benzene**

detergents



The Appliance of Creosote oils

Creosote oils

Carbon
Black



Wood
preservative oil



Wash oil



The Appliance of Naphthalene

Naphthalene

B-naphthol,
Tobias acid, J-
acid

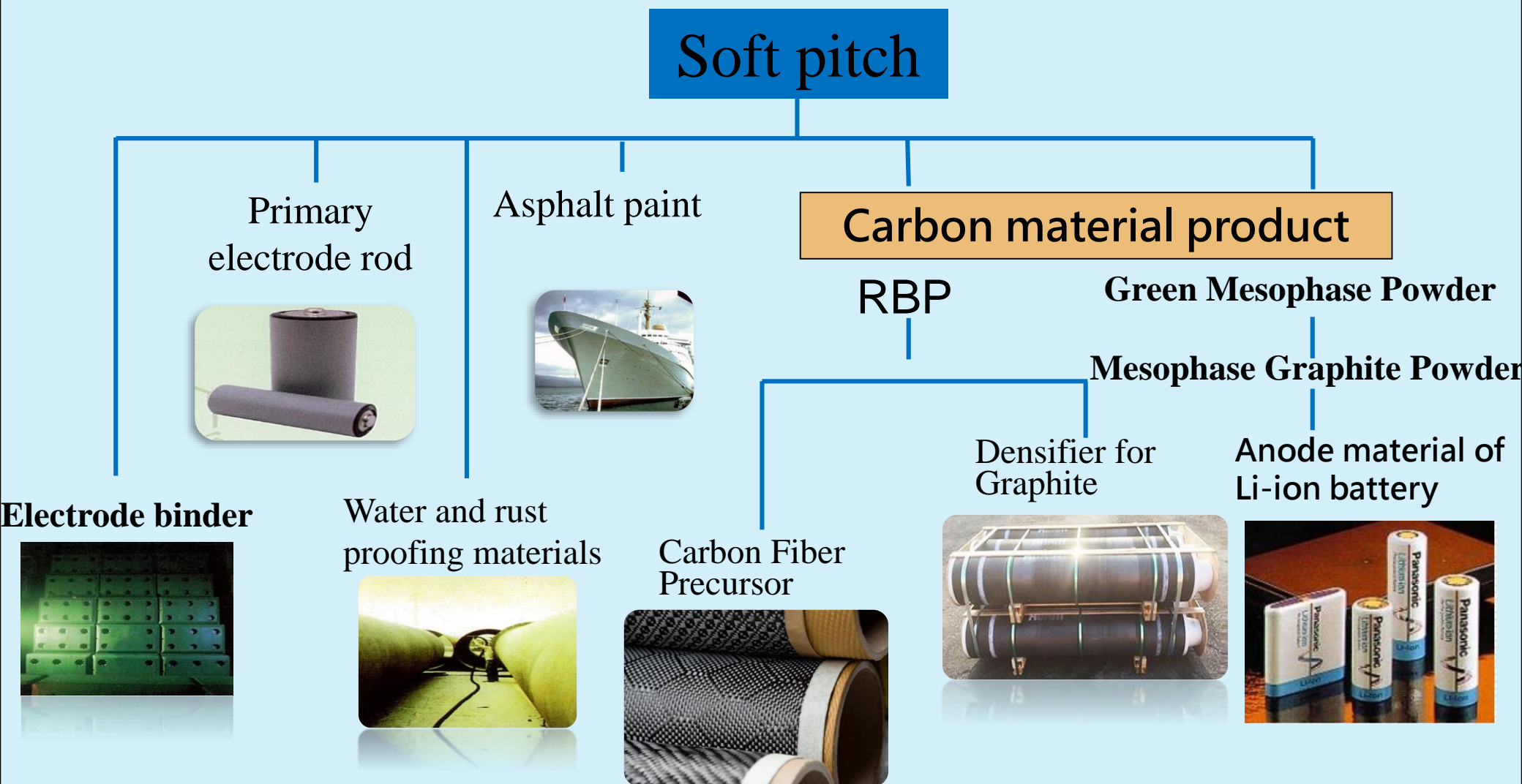
Dyestuffs
pigment



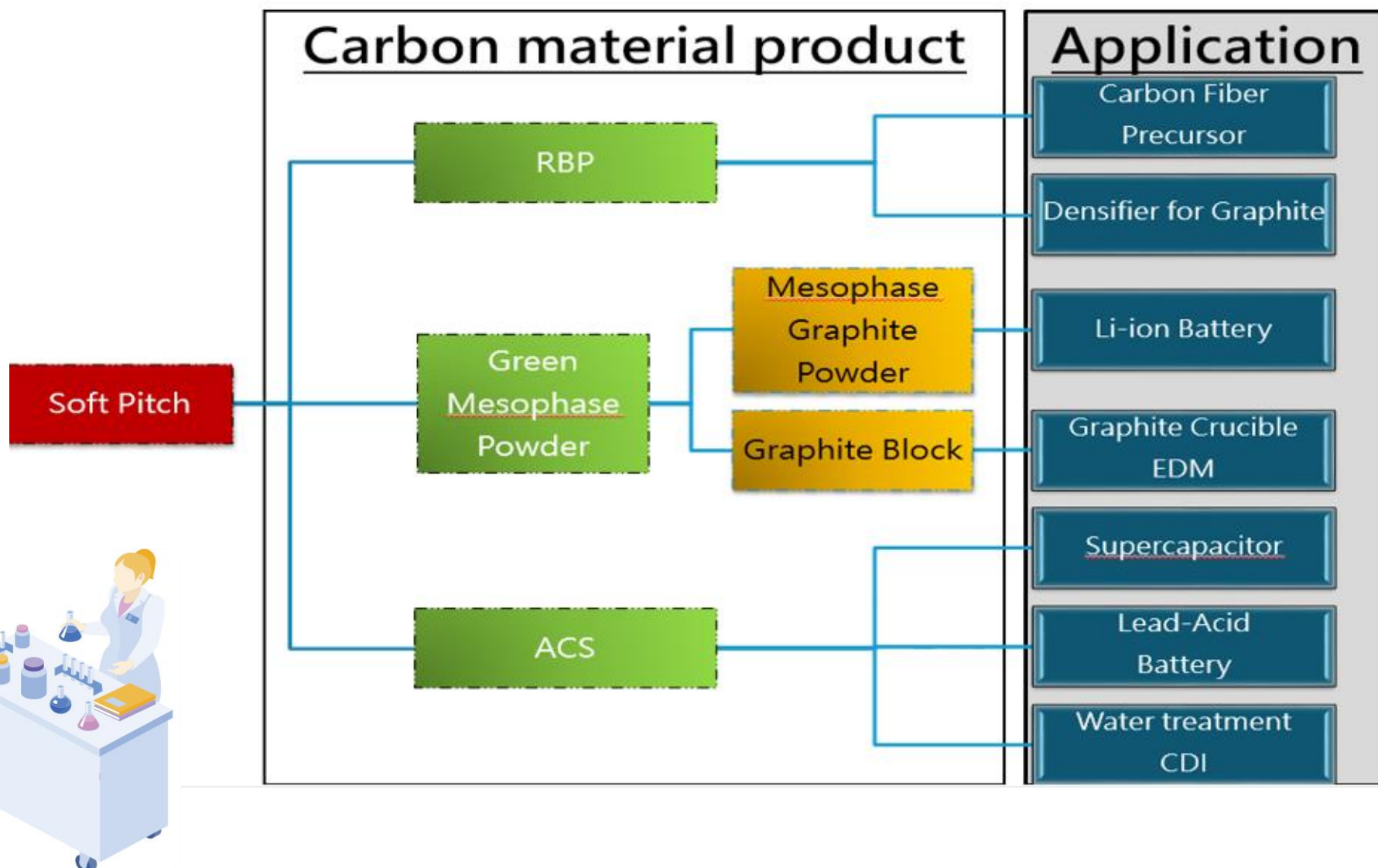
Mothballs



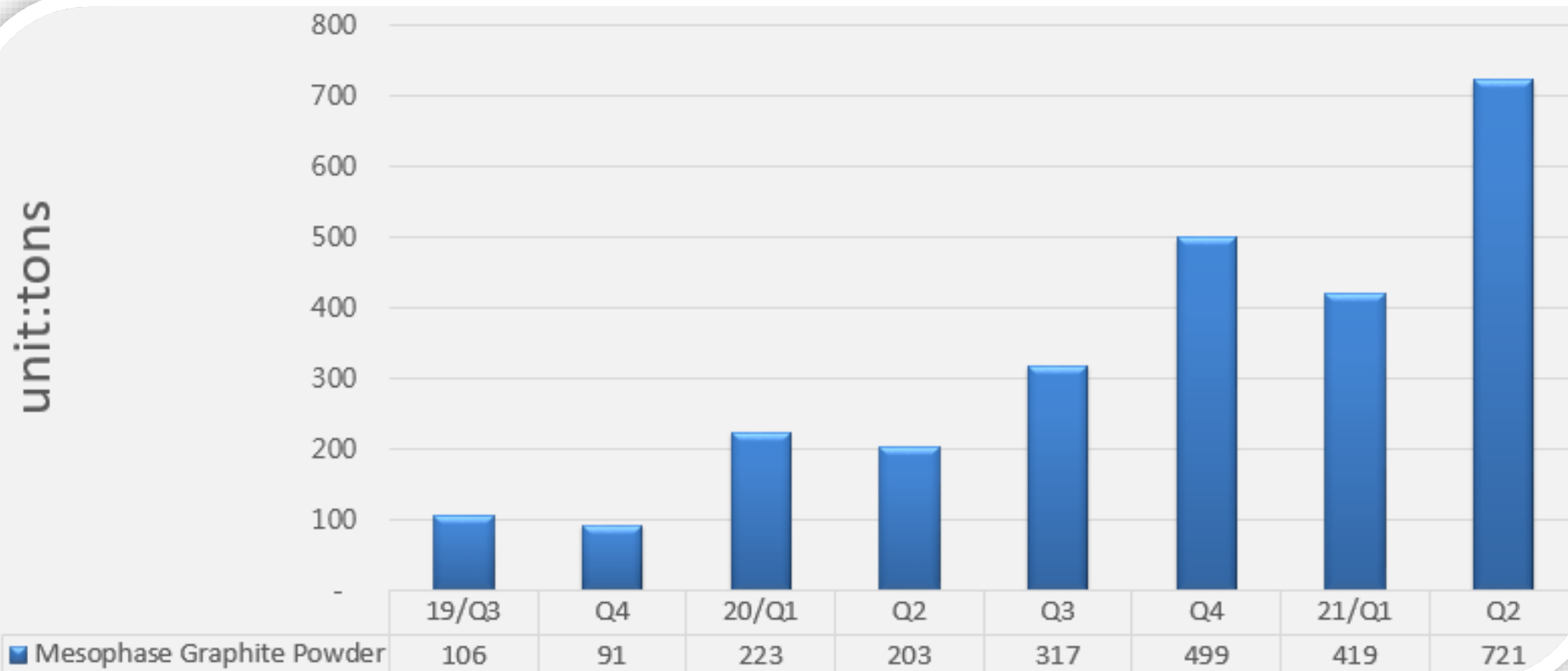
The Appliance of Soft pitch



Applications of Carbon material product



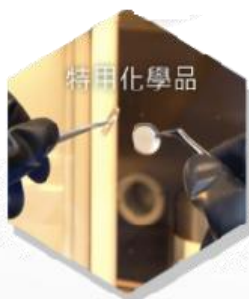
Sales volume of Mesophase Graphite Powder in the past two years



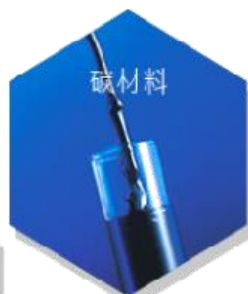
4、New Business Development



顧客至上



特用化學品



陶瓷材料

誠信為先



品質第一



展望未來

合作無間

Anode material

Advanced Carbon for Supercapacitors

Graphite Block

CSCC's Meso-Graphite

- Application: High Energy & Power density in LIB
- Feature: High first columbic efficiency, high energy density, high discharge capability and long cycle life.

Energy Density(Wh/Kg):Low

High

Power Density(W/Kg):Strong

Low

MG10
MG08

MG11
FMGP

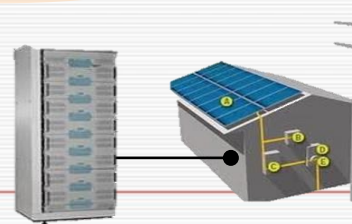
MG12
MGP

MG13

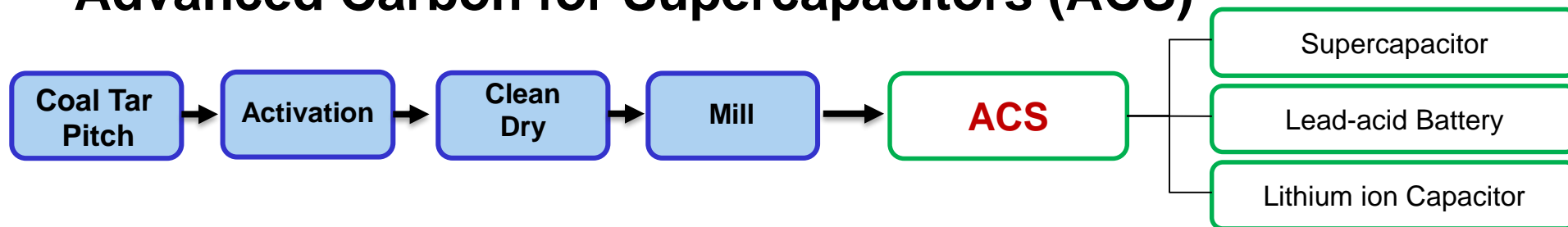
PT/HEV

EV/ESS

Tablets/3C



Advanced Carbon for Supercapacitors (ACS)



Features of ACS

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

- ACS annual production capacity is 45MT/year, and the second production line is planed to increase total annual production capacity to 90MT/year ◦

Applications of Supercapacitors

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

Light Rail Transit

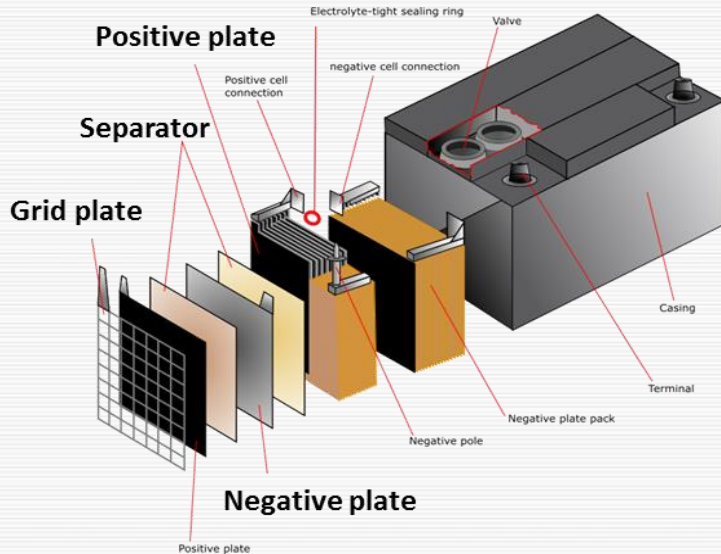


Wind turbine



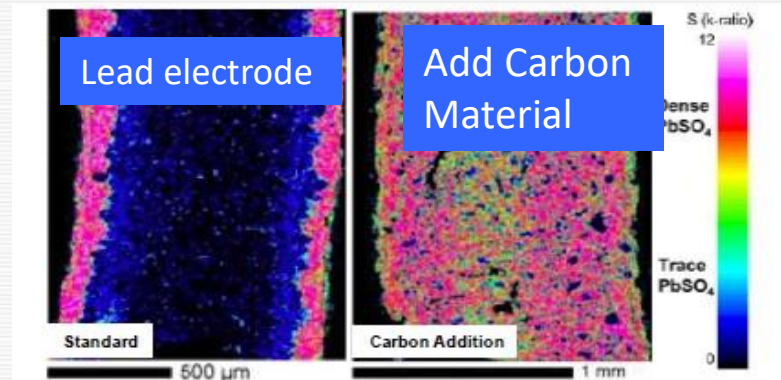
Introduction of Advanced Lead-Acid Battery

Structure of Lead-Acid Battery



Advantages of addition activated carbon into LAB

1. Increasing conductivity
2. Improving the uniformity of Pb/PbSO_4
3. Capacitance effect
4. Low amount of maintenance
5. Extending the life of LAB

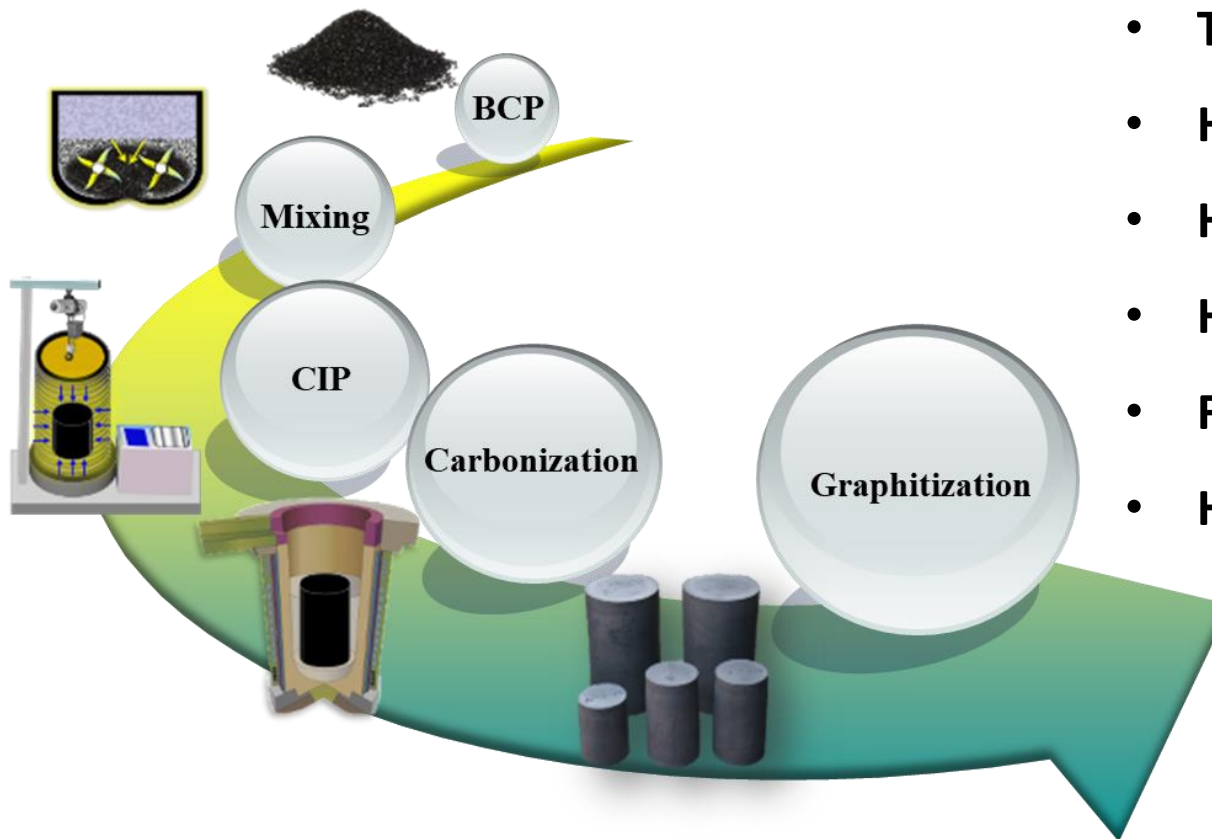


Elimination of hard sulfation by carbon additions, allowing more complete usage of the battery (both images are from cells at end of life). Fernandez et al., 2010.

Source: Pavlov D., Lead-acid Batteries: Science and Technology. Elsevier, 2011.



Graphite Block



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

Graphite Block Application

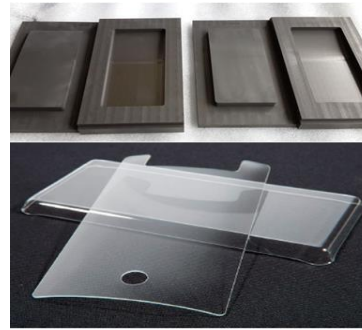


Continuous Casting



EDM

Graphite Block for large Size (>30cm) EDM continuously study high-end product.



3D Glass Mold

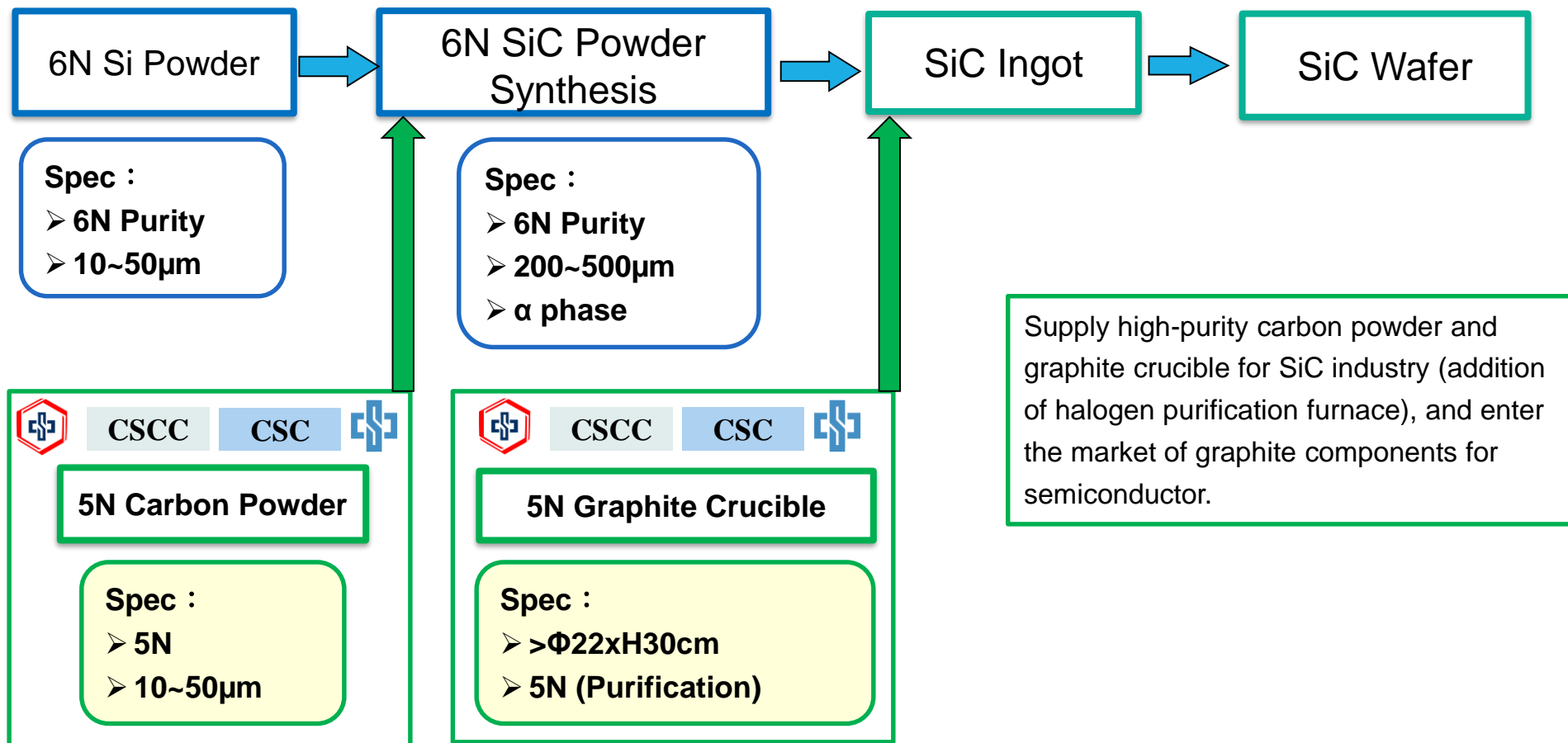
Being verified by customers.



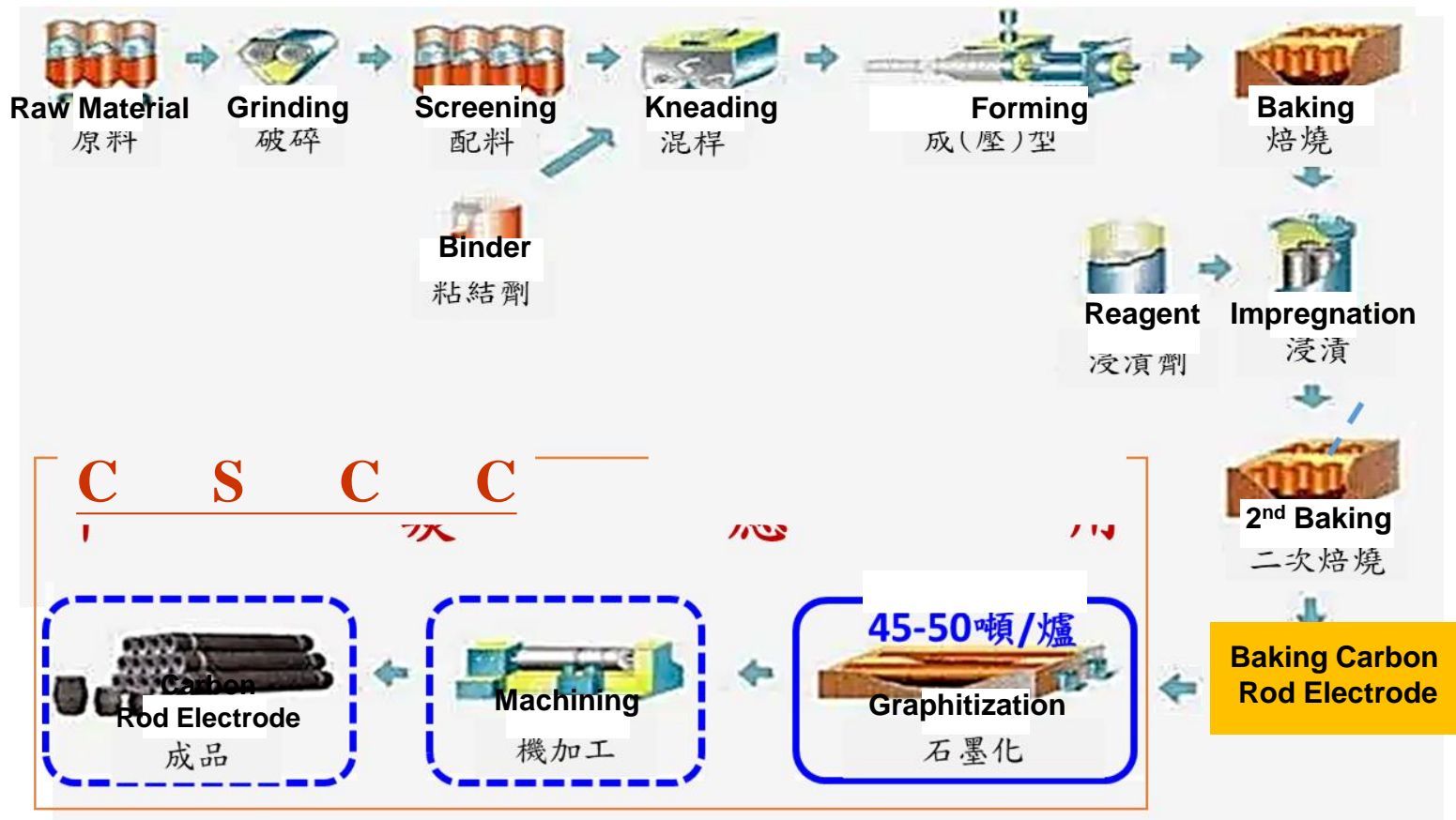
Crucibles

Graphite crucible for SiC industry are being verified by customers.

Carbon Material for Compound Semiconductor (SiC)



Graphite Rod Electrode Manufacturing Flow



- Introduce roasted carbon rods for graphitization and machining for home market.



Q&A

