

#### Chronology of Major Events

1.CSCC established in February 1989.

2.Plants completed during 1991~1993.

3.CSCC IPO listed in Taiwan in November, 1998

4.CSCC was awarded "Industrial Excellence Award" and "National Outstanding SMES Award" in 2000 and 2001.

5.CSCC achieved OHSAS 18001 certification during 2001~2008.

6.CSCC achieved CNLA in April, 2002. And granted authentication in April 2005 and November, 2008.

7.Refined Naphthalene Unit expansion completed in April 2009.

8. The capacity 1,400 MT/YR of Green Mesophase Powder Plant completed in January 2010.

9. The Light Oil Distillation plant phase 2 completed in April 2010.

10.The line G5/G6 of Green Mesophase Powder Plant reaching capacity to 2,600 MT/YR completed during the third quarter 2011.

11. The line G1N/G2N of Green Mesophase Powder Plant reaching capacity to 5,000 MT/YR completed by the end of 2012.



## The structure of shareholder

unit : per thousand stocks

| Major shareholder                                            | Shares | Percentage |
|--------------------------------------------------------------|--------|------------|
| China Steel Corp                                             | 68,787 | 29.04%     |
| HSBC Hosts Matthews Asia Dividend Fund<br>Investment Account | 12,326 | 5.20%      |
| Fubon Life Insurance Co., Ltd.                               | 12,158 | 5.13%      |
| China Synthetic Rubber Corp                                  | 11,759 | 4.96%      |
| Ever Wealthy International Corp                              | 4,973  | 2.10%      |



## **4** Table of academic degree in CSCC's employees

| Academic Degree                          | Number | Percentage |
|------------------------------------------|--------|------------|
| Doctor Degree                            | 10     | 4%         |
| Master Degree                            | 64     | 26%        |
| Bachelor Degree                          | 108    | 44%        |
| Junior college and<br>Senior high school | 63     | 26%        |
| Total                                    | 245    | 100%       |

As of : April, 2018



#### Unit: NT\$ thousands

|                       | Jan-16  | Feb-16  | Mar-16        | Apr-16  | Aug-16  | Sep-16  | Oct-16        | Nov-16  | Dec-16        | Total     |
|-----------------------|---------|---------|---------------|---------|---------|---------|---------------|---------|---------------|-----------|
| Revenue               | 412,419 | 394,262 | 419,290       | 404,258 | 437,669 | 402,458 | 452,017       | 348,969 | 465,890       | 5,143,442 |
| Operating Income      | 59,721  | 85,753  | 113,773       | 85,628  | 96,598  | 88,862  | 104,050       | 95,483  | 84,972        | 1,099,799 |
| Net income before tax | 78,000  | 87,832  | 112,981       | 92,279  | 94,359  | 92,749  | 114,900       | 106,995 | 113,442       | 1,201,339 |
| Oil Price             | 30      | 31      | 37            | 41      | 45      | 45      | 49            | 45      | 53            | 43        |
|                       | Jan-17  | Feb-17  | <b>Mar-17</b> | Apr-17  | Aug-17  | Sep-17  | <b>Oct-17</b> | Nov-17  | <b>Dec-17</b> | Total     |
| Revenue               | 582,273 | 488,621 | 616,352       | 534,801 | 502,603 | 541,798 | 504,040       | 368,596 | 604,500       | 6,242,267 |
| Operating Income      | 129,849 | 112,738 | 88,167        | 91,629  | 113,229 | 106,290 | 95,515        | 62,014  | 181,712       | 1,249,264 |
| Net income before tax | 109,023 | 96,171  | 120,944       | 97,828  | 113,753 | 125,429 | 115,713       | 61,404  | 206,084       | 1,365,166 |
| Oil Price             | 54      | 54      | 51            | 52      | 50      | 53      | 55            | 60      | 61            | 53        |
|                       | 18-Jan  | 18-Feb  | 18-Mar        | Apr-18  | Aug-18  | Sep-18  | <b>Oct-18</b> | Nov-18  | Dec-18        | Total     |
| Revenue               | 708,454 | 583,994 | 720,069       | 675,634 |         |         |               |         |               | 2,688,151 |
| Operating Income      | 156,645 | 111,915 | 152,960       | 139,986 |         |         |               |         |               | 561,506   |
| Net income before tax | 149,252 | 133,860 | 135,791       | 146,578 |         |         |               |         |               | 565,481   |
| Oil Price             | 66      | 63      | 64            | 69      |         |         |               |         |               | 66        |



#### Unit: NT\$ millions

|                      | 2013  | 2014  | 2015  | 2016  | 2017  | 2018/<br>1~4 |
|----------------------|-------|-------|-------|-------|-------|--------------|
| Revenue              | 8,820 | 8,904 | 5,737 | 5,143 | 6,242 | 2,688        |
| Net income after tax | 2,221 | 2,189 | 1,239 | 1,038 | 1,207 | *565         |
| EPS(NT\$)            | 9.60  | 9.50  | 5.37  | 4.45  | 5.00  | -            |

| * The announcement is                          |     |      | 20   | 15   |      |      | 20   | 16   |      |      | 20   | 17   |      |
|------------------------------------------------|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| based on self-reported consolidated net income | EPS | 1Q   | 2Q   | 3Q   | 4Q   | 1Q   | 2Q   | 3Q   | 4Q   | 1Q   | 2Q   | 3Q   | 4Q   |
| before tax.                                    |     | 1.70 | 1.53 | 1.30 | 0.84 | 1.02 | 1.04 | 1.10 | 1.29 | 1.14 | 1.16 | 1.31 | 1.39 |



## **Dividend Payout**

|              | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|--------------|------|------|------|------|------|------|------|
| EPS          | 9.7  | 8.5  | 9.6  | 9.5  | 5.37 | 4.45 | 5.0  |
| Cash<br>Div. | 8.0  | 7.4  | 8.3  | 8.3  | 4.5  | 4.5  | 4.6  |
| Stock<br>Div | 0    | 0    | 0    | 0    | 0    | 0    | 0    |



#### unit : metric tons

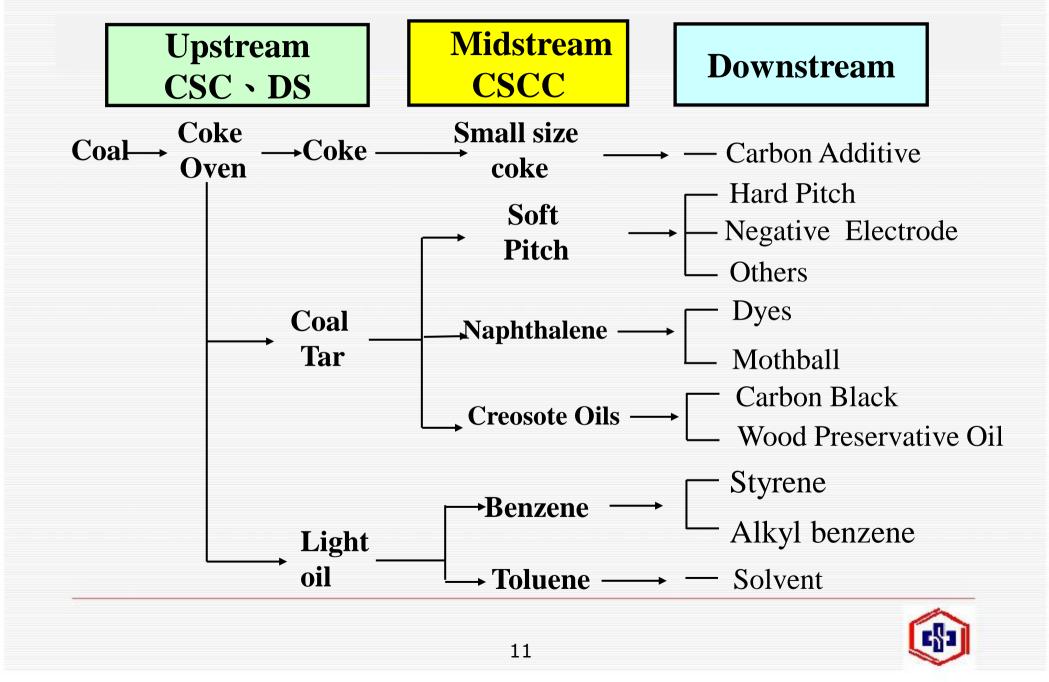
| Peri<br>Input | 2012    | 2013    | 2014    | 2015    | 2016    | 2017    | 2018<br>/1~4 |  |
|---------------|---------|---------|---------|---------|---------|---------|--------------|--|
| Coal Tar      | 203,920 | 264,578 | 266,814 | 257,506 | 258,214 | 253,172 | 88,759       |  |
| Light Oil     | 77,971  | 93,609  | 100,930 | 100,220 | 94,834  | 100,590 | 38,299       |  |

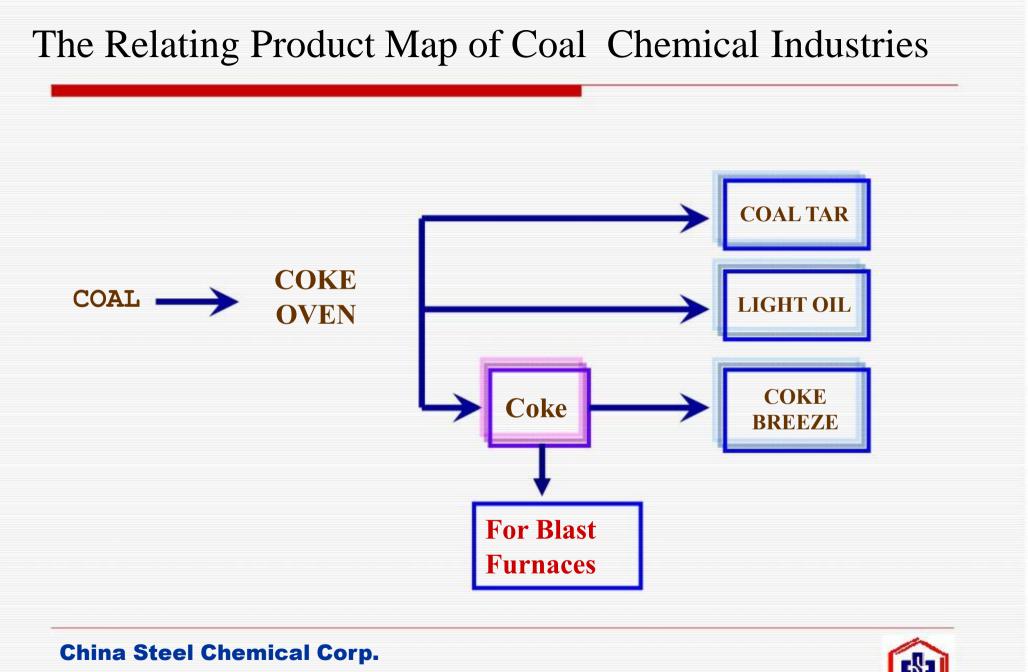


## Sales Revenue breakdown by products

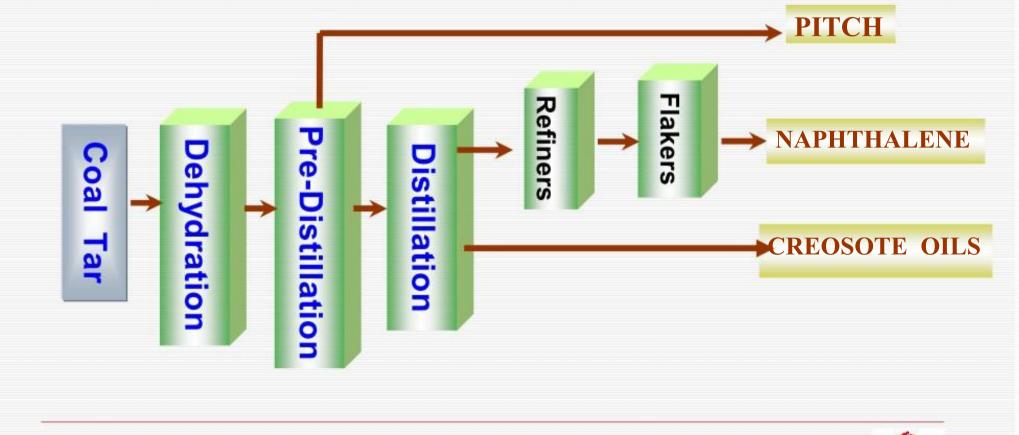
|               | 2015 | 2016 | 2017 | 2018/1~4 |
|---------------|------|------|------|----------|
| Light Oil     | 33%  | 33%  | 36%  | 34%      |
| Benzene       | 27%  | 28%  | 30%  | 28%      |
| Coal Tar      | 44%  | 44%  | 47%  | 44%      |
| Creosote Oils | 23%  | 24%  | 25%  | 21%      |
| Soft Pitch    | 10%  | 9%   | 12%  | 15%      |
| Naphthalene   | 9%   | 9%   | 8%   | 7%       |
| Mesophase     | 9%   | 9%   | 6%   | 5%       |
| Coke Breeze   | 10%  | 11%  | 8%   | 11%      |



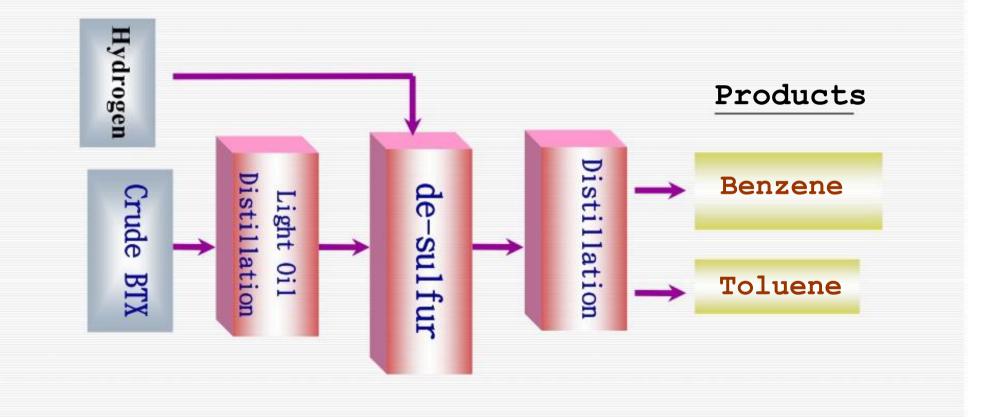




# The Process of the Coal Tar Distillation Plant Products

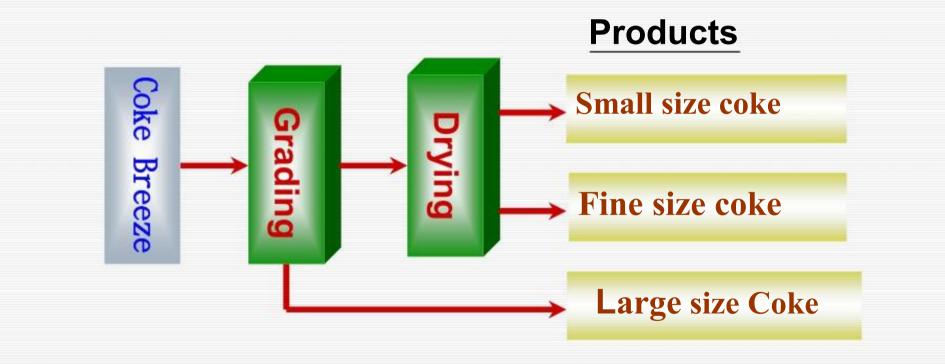


### **The Process of the Light Oil Distillation Plant**

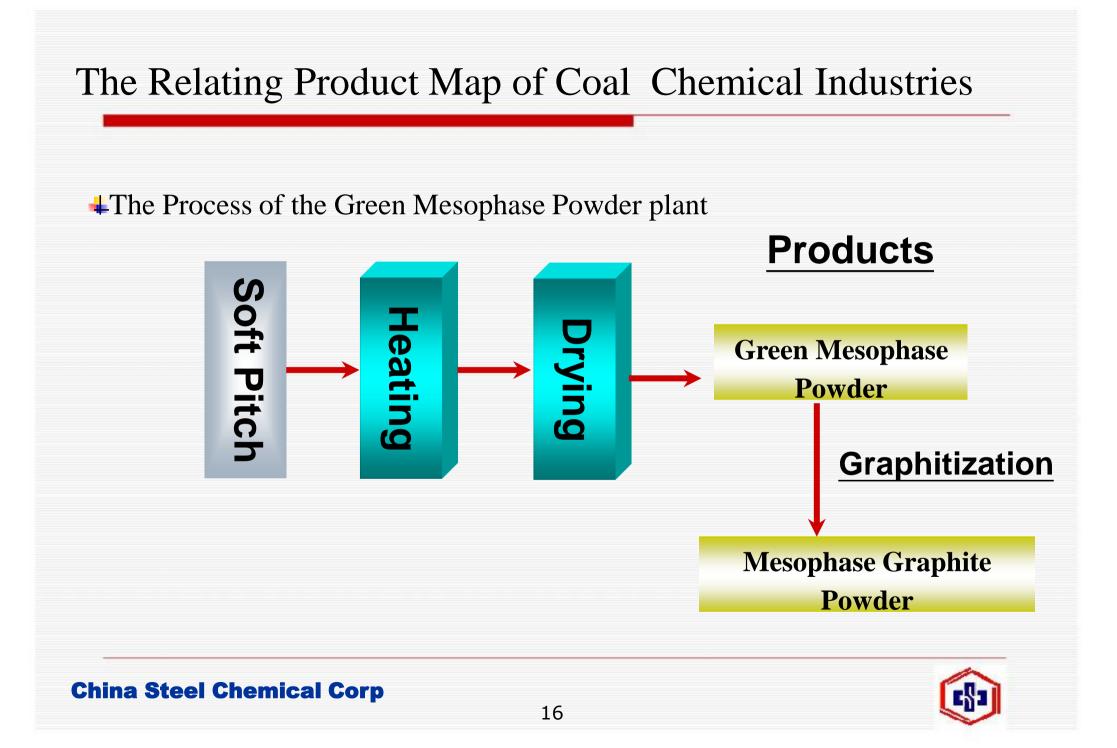




The Process of the Coke Breeze Plant

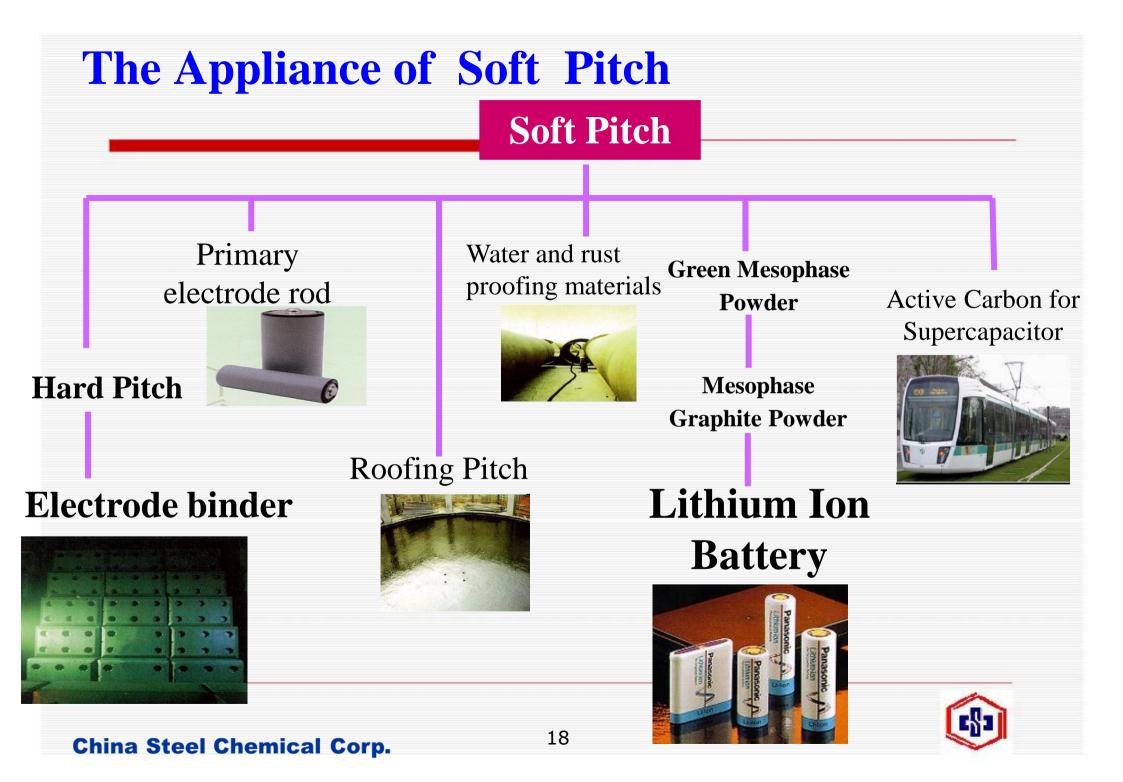


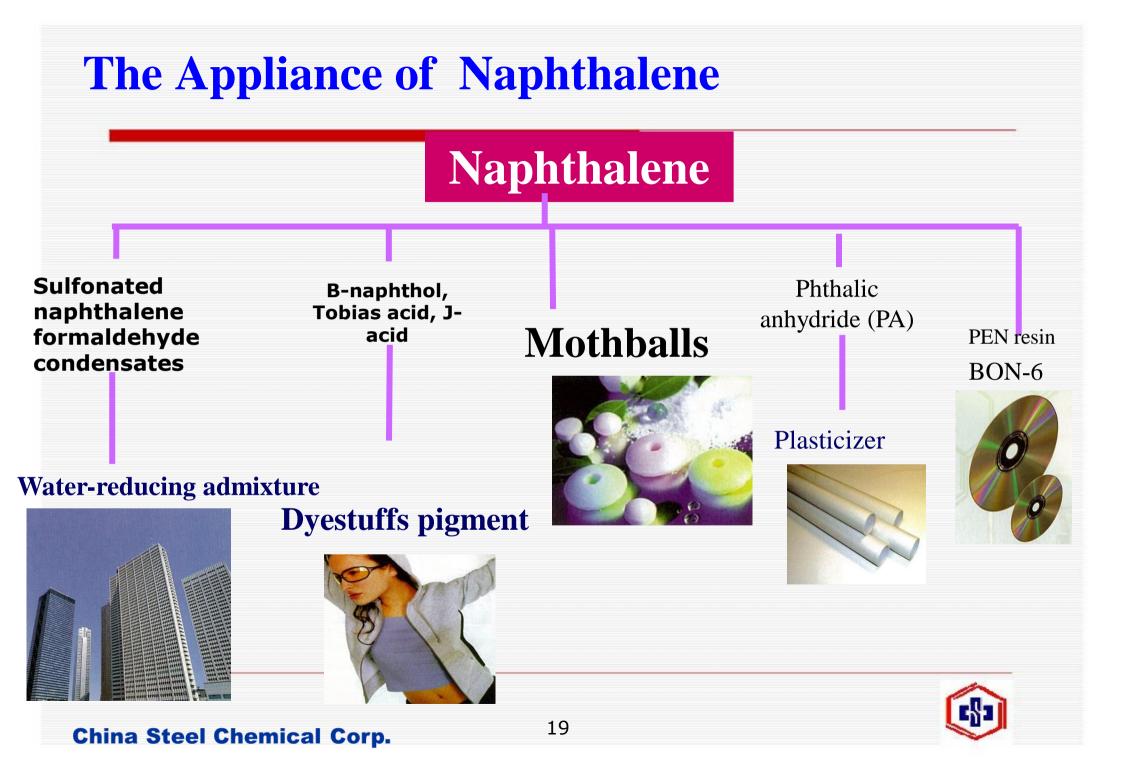


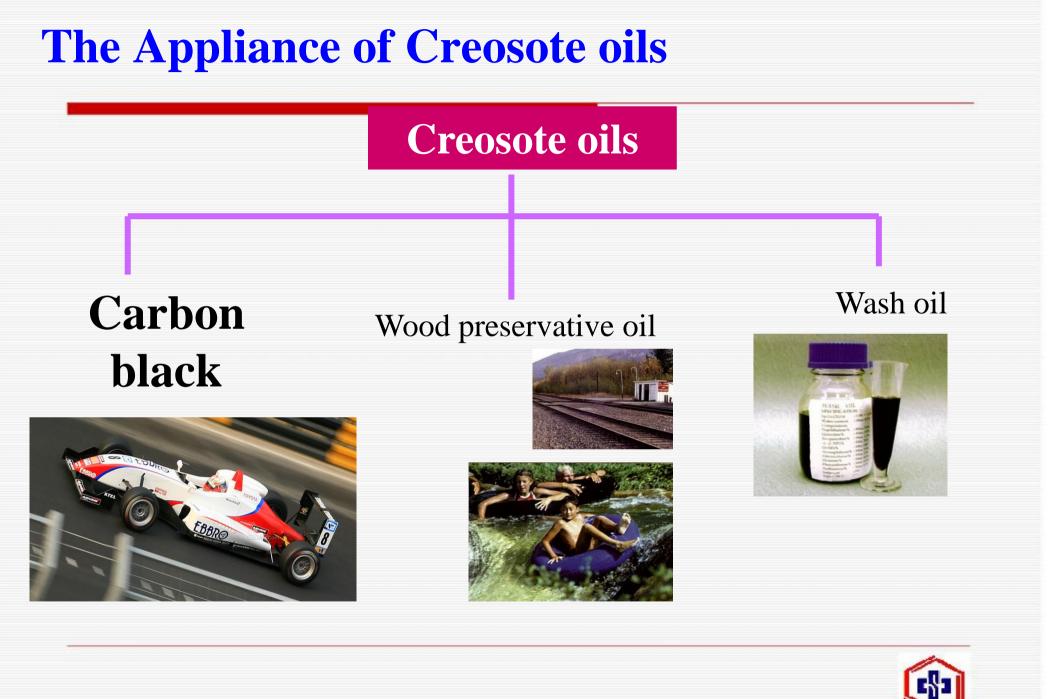


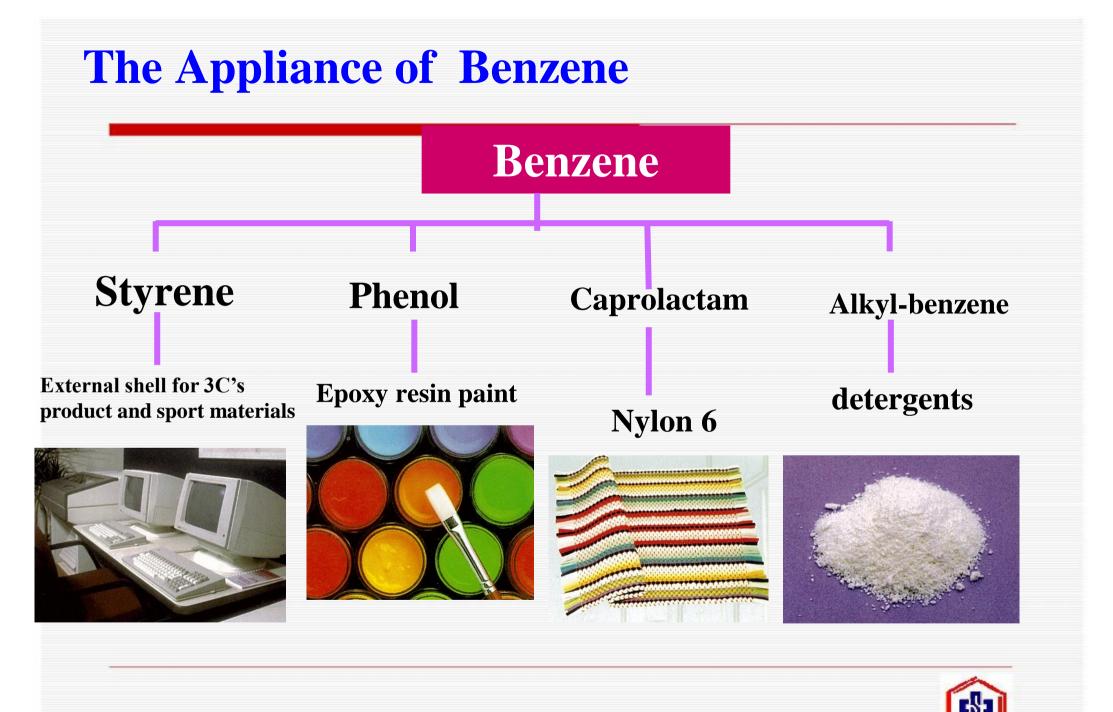
# The Industrial Use for CSCC













## New Products Development

- High Soft Point Pitch (HSP):utilized as wrapping materials to cover carbon for Li-ion Batteries anode or as binder material for fireproofing material.
- High Soft Point Pitch is a special pitch which possesses a soft point higher than 260°C and have high fixed carbon ratio (ca. 80-85%). It is also utilized as carbon fiber precursor, because the production procedure of HSP is similar to the one of carbon fiber procedure.
- A Nowadays, the pre-launch sample is provided to customers for testing as wrapping material for Li-ion batteries anode and fireproofing material. Mass production process design had been completed and evaluation of mass product line will be made after market expands.



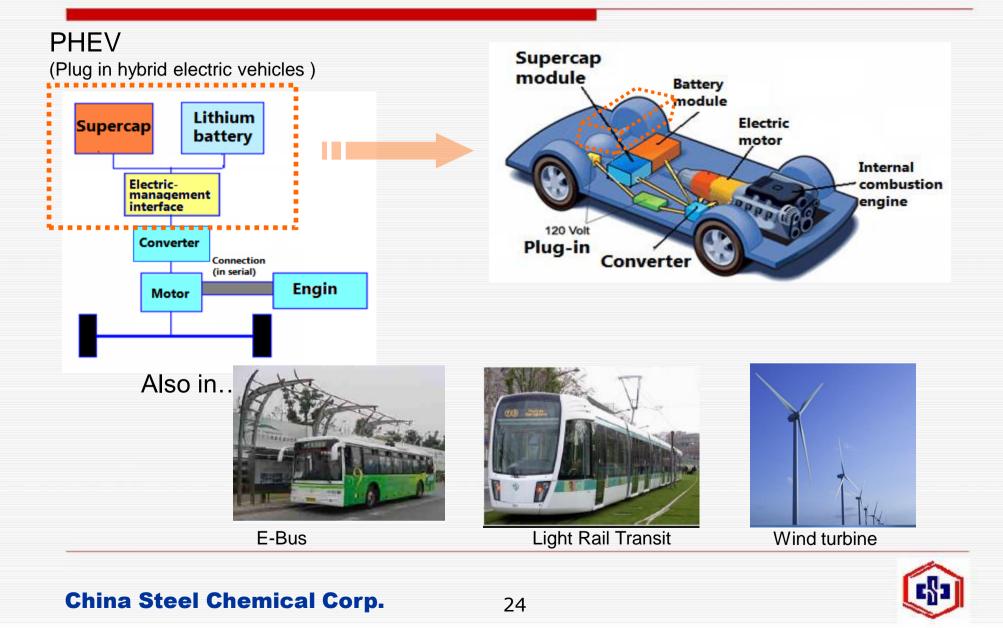
## New Products Development

The quality of AC is great as Japan leading brand. The AC has already been sold worldwide.

Due to the expansion of Li-ion batteries anode material, establishing graphitizing factory is planning. Studying abroad techniques of graphitization, evaluation of inductive graphitizing furnace and mass production plan are progressing.



## **Applications of Supercapacitors**





## **Thank You**

