



#### 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 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	9	3%
Master Degree	75	27%
Bachelor Degree	133	47%
Junior college and Senior high school	66	23%
Total	283	100%

As of : Jan, 2019



#### Unit: NT\$ thousands

2017	01	02	03	04	08	09	10	11	12	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
2018	01	02	03	04	08	09	10	11	*12	*Total
Revenue	708,454	583,994	720,069	675634	779,066	793,703	754,445	768,359	688,930	8,559,970
Operating Income	156,645	111,915	152,960	139986	174,206	157,365	135,629	156,050	143,032	1,776,255
Net income before tax	149,252	133,860	135,791	146578	184,811	192,252	160,260	147,542	151,768	1,885,667
Oil Price	66	63	64	69	71	75	77	62	53	68
*2019	01	02	03	04	08	09	10	11	12	Total
Revenue	689,967									689,967
Operating Income	154,816									154,816
Net income before tax	168,368									168,368
Oil Price	57									57

\* The announcement is based on self-reported consolidated net income before tax.



Unit: NT\$ millions

	2014	2015	2016	2017	*2018	*2019
Revenue	8,904	5,737	5,143	6,242	8,560	690
Net income after tax	2,189	1,239	1,038	1,207	1,885	168
EPS(NT\$)	9.50	5.37	4.45	5.00	-	-
Oil Price	96	51	43	55	68	57

\* The announcement is based on selfreported consolidated net income before tax.

	2016				2017				2018		
EPS	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q
	1.02	1.04	1.10	1.29	1.14	1.16	1.31	1.39	1.40	1.63	1.92



#### unit : metric tons

Period Input	2013	2014	2015	2016	2017	2018	2019
Coal Tar	264,578	266,814	257,506	258,214	253,172	257,637	24,686
Light Oil	93,609	100,930	100,220	94,834	100,590	117,102	10,502



## **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 Div.	8.0	7.4	8.3	8.3	4.5	4.5	4.6
Stock Div	0	0	0	0	0	0	0

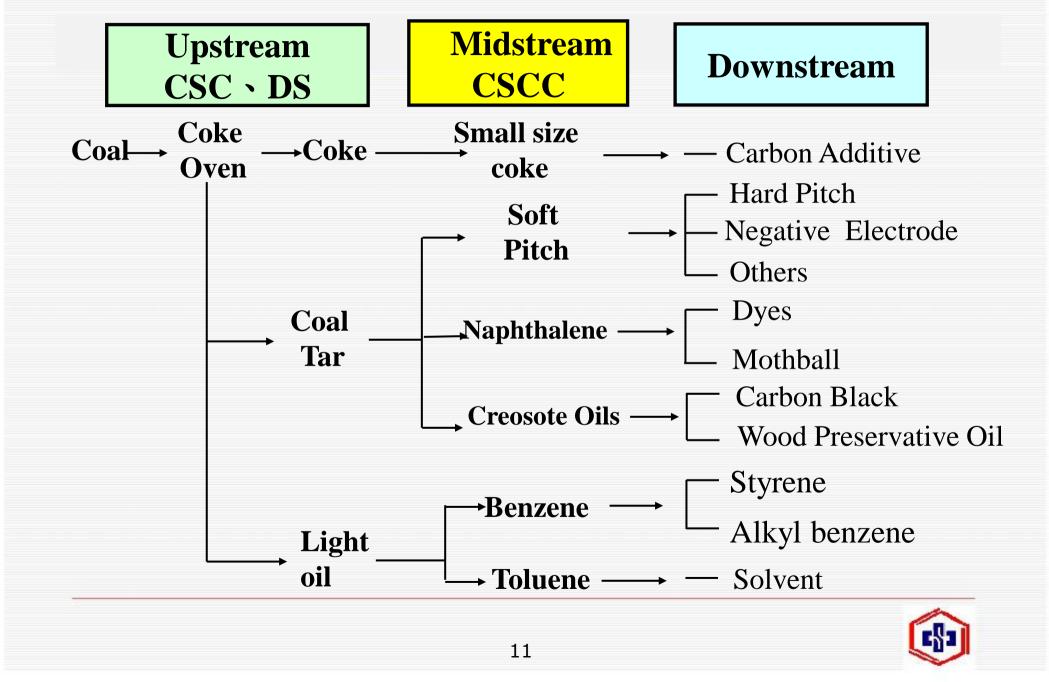
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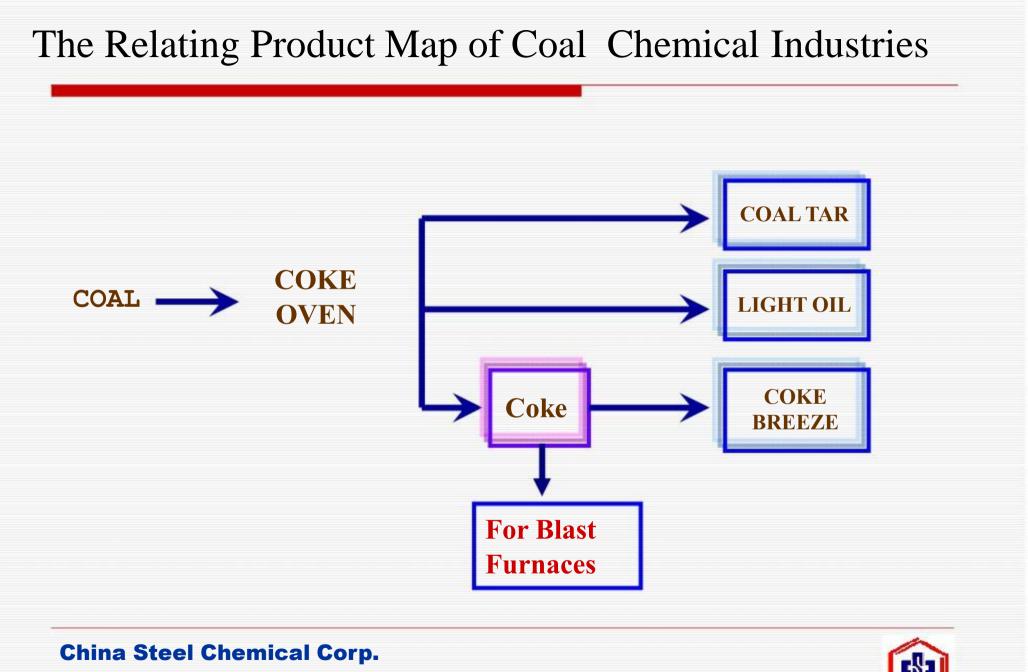


## Sales Revenue breakdown by products

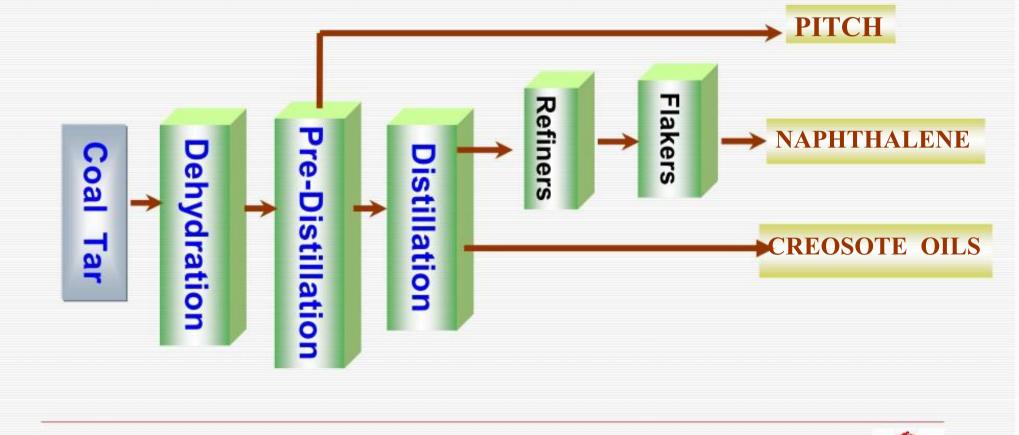
	2018	2018/1Q	2018/2Q	2018/3Q	2018/4Q	2019/1
Light Oil+ Coal Tar (JV)	9%	6%	8%	11%	11%	10%
Light Oil	29%	33%	28%	29%	27%	25%
Benzene	25%	28%	24%	24%	23%	20%
Coal Tar	44%	44%	46%	42%	47%	55%
<b>Creosote Oils</b>	21%	21%	21%	20%	23%	27%
Soft Pitch	15%	15%	16%	14%	16%	19%
Naphthalene	7%	7%	7%	7%	6%	8%
<b>Carbon Material</b>	8%	6%	7%	9%	8%	6%
Coke Breeze	8%	11%	11%	6%	6%	6%



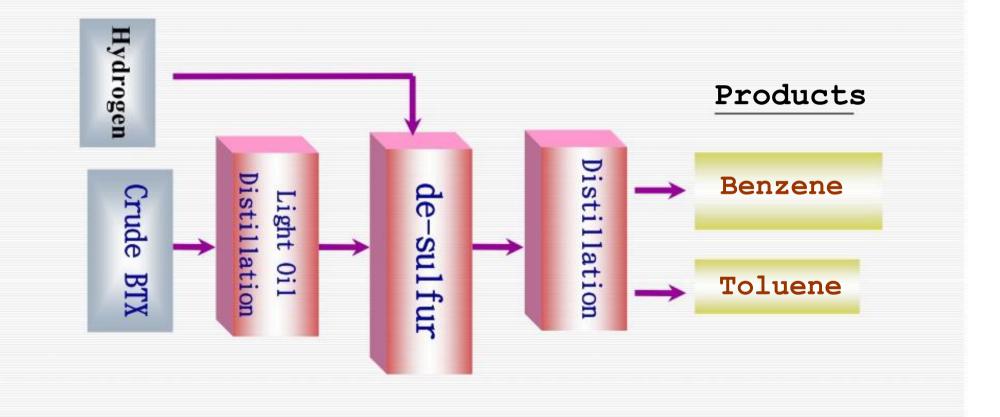




## The Process of the Coal Tar Distillation Plant Products

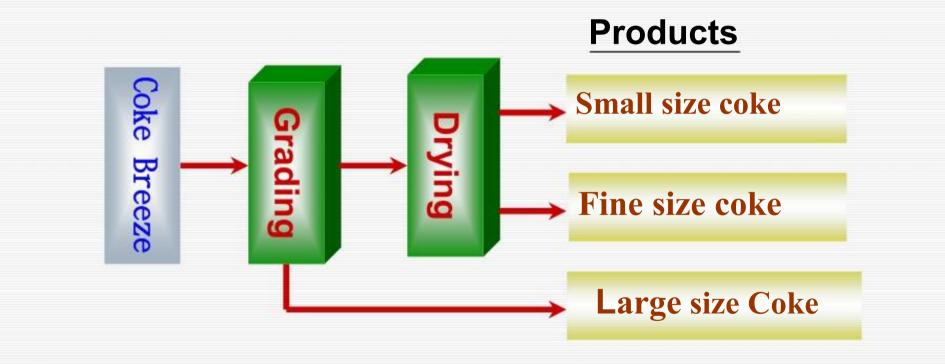


#### **The Process of the Light Oil Distillation Plant**

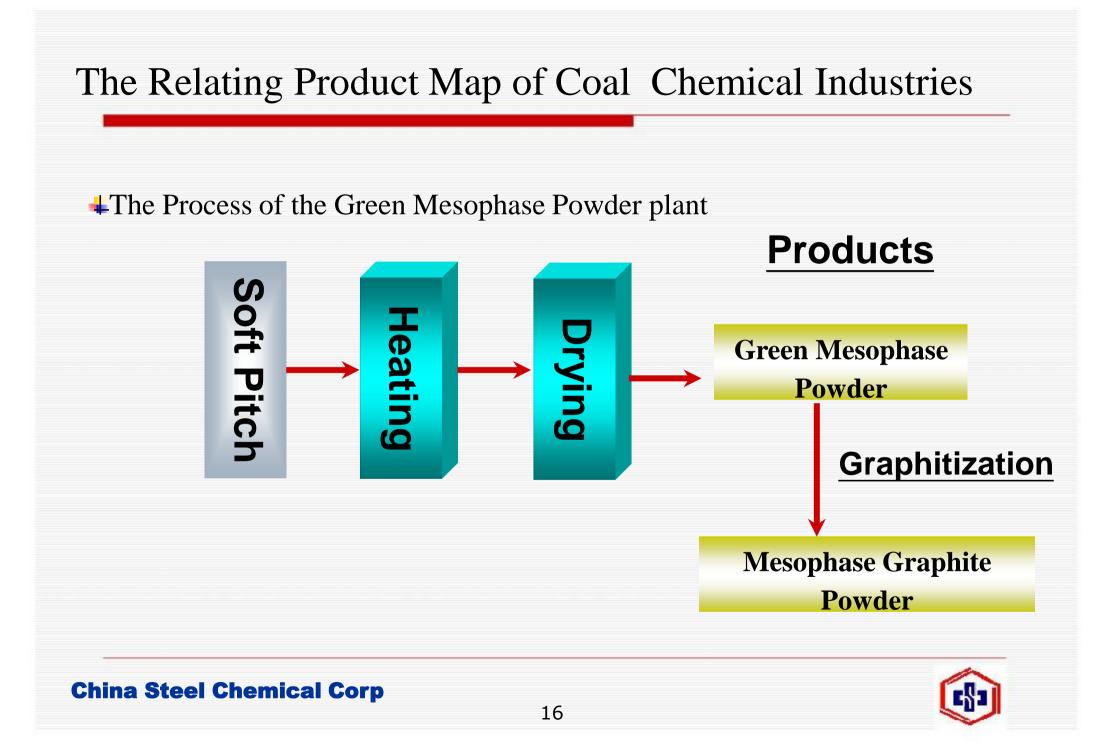




The Process of the Coke Breeze Plant

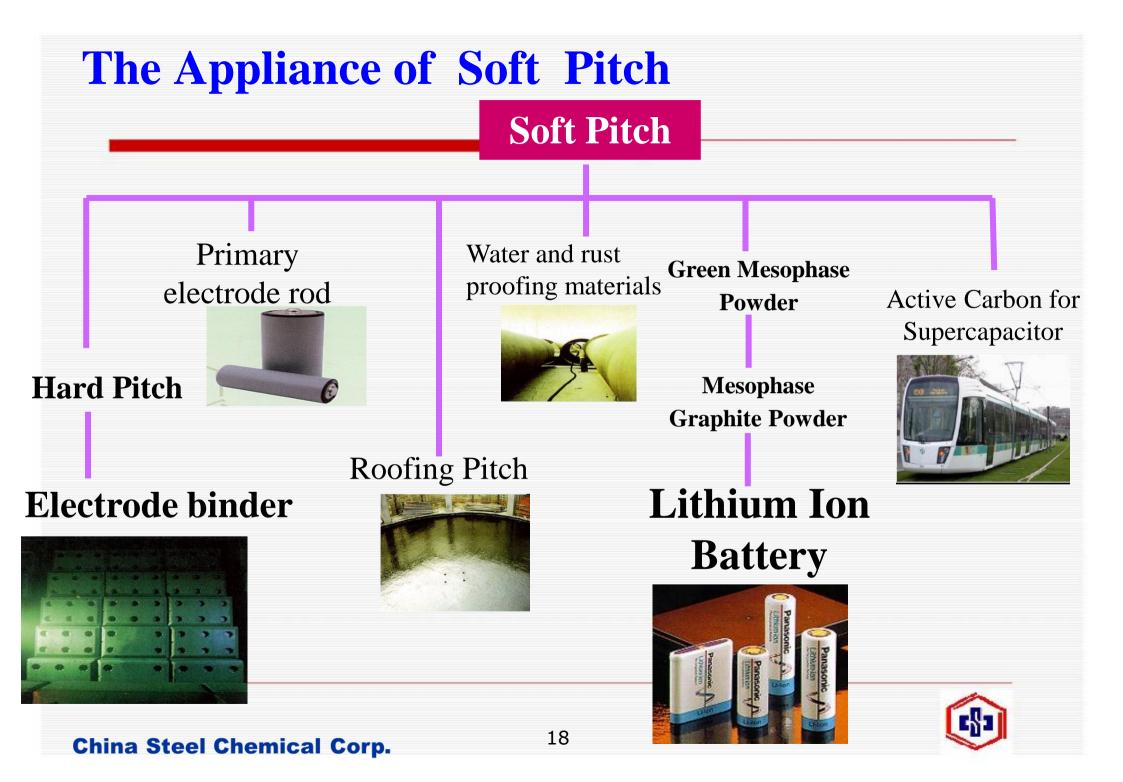


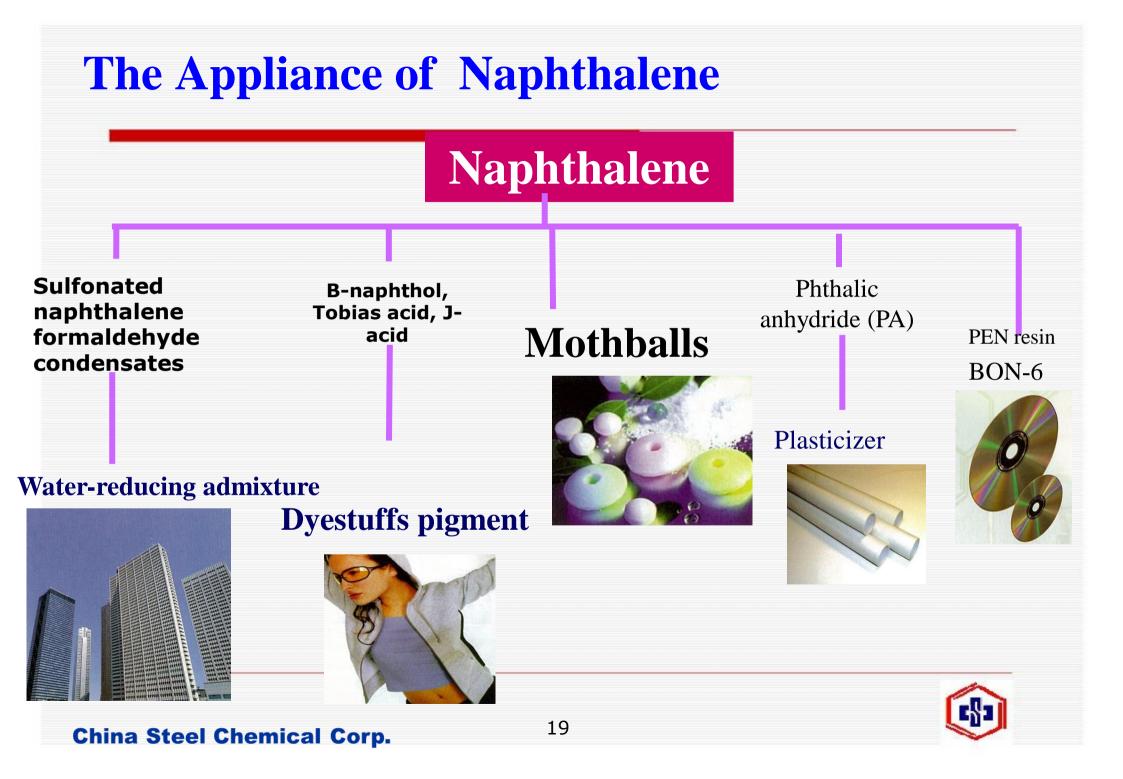


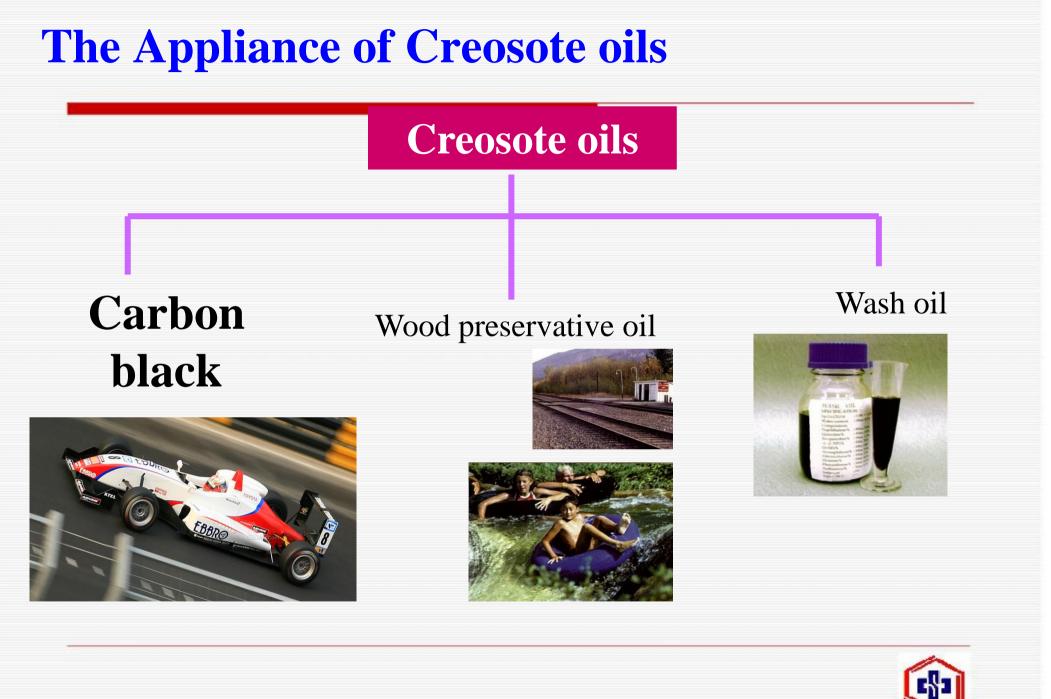


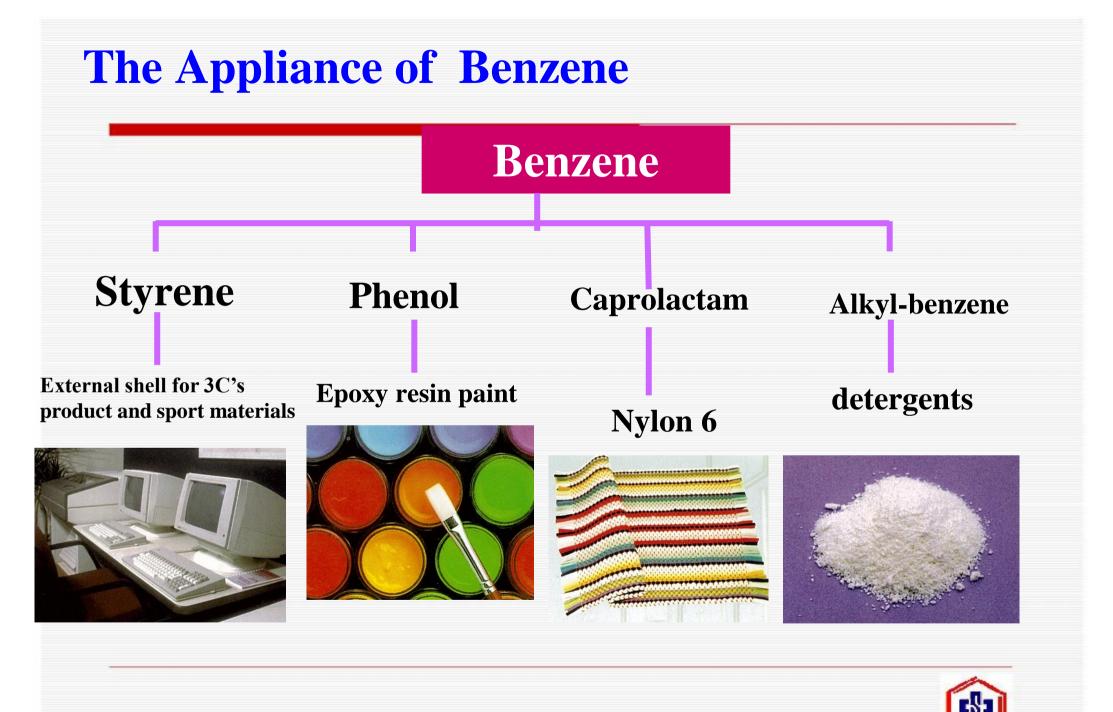
# The Industrial Use for CSCC













### 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.



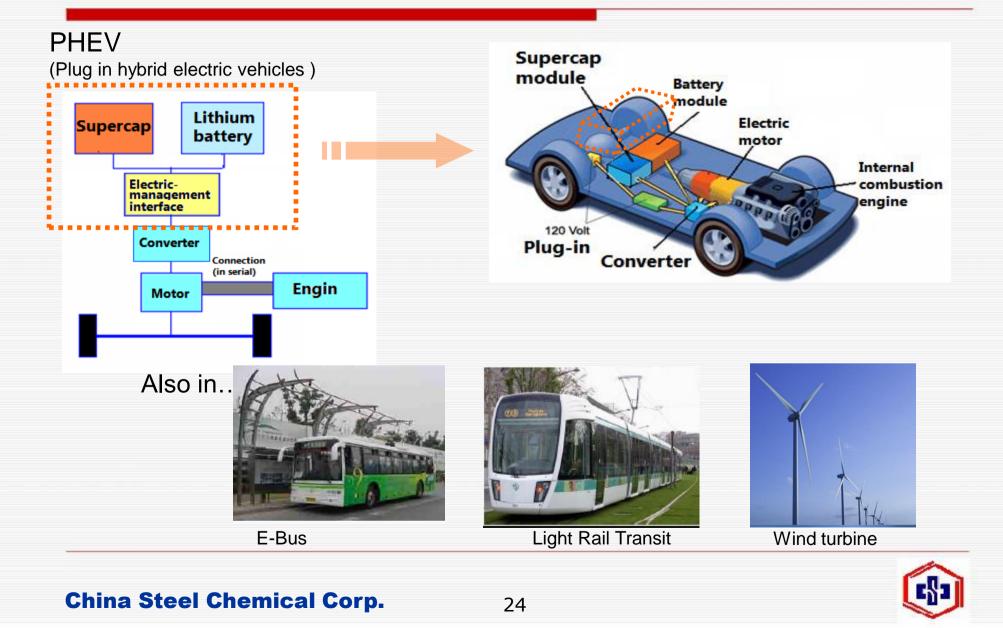
## New Products Development

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**

