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	Qingdao Huicheng Environmental Technology Group Co., Ltd.
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“ ”

2022 1-6

2021

1

1978 4

2011 2015

2015

1983 8

2010 2015

2015 2016

2017

1986 1

2012 2015

2015 2018

2018 2019

2019 2020

2020

2

114

19.59%

2

7

20

3

FCC

1 FCC

FCC

2 FCC

3

4

5

3-70nm

7-40nm

130-350cm²/g0.2-1.5cm²/g

6

Pox

POX

7

2019

2020

2021

[2020]

ZG11002

[2021]

ZG10918

[2022]

ZG11393

2022

1-6

	2022/6/30	2021/12/31	2020/12/31	2019/12/31
	2,057,039,081.50	1,611,113,628.78	962,485,059.01	921,689,154.22
	1,339,061,399.00	883,909,291.65	296,524,690.72	272,749,190.01
	717,977,682.50	727,204,337.13	665,960,368.29	648,939,964.21

	2022 1-6	2021	2020	2019
	144,063,029.51	284,862,176.85	323,859,660.14	343,794,748.38
	-4,840,799.50	14,089,632.58	35,649,320.85	42,264,713.35
	-4,859,848.53	14,218,939.58	32,052,567.81	51,239,934.84
	-4,723,980.83	11,754,160.00	27,015,193.74	42,859,266.44
	-4,723,980.83	11,754,160.00	27,015,193.74	42,859,266.44

	2022 1-6	2021	2020	2019
	-74,860,892.61	-125,298,811.40	39,113,881.29	57,408,301.11
	-452,388,955.59	-370,989,196.22	-130,115,177.39	-47,405,719.33
	439,188,587.84	561,770,124.28	-32,460,079.20	232,138,510.43
	-87,830,983.39	65,500,930.85	-123,933,737.35	242,073,757.60
	115,621,654.42	203,452,637.81	137,951,706.96	261,885,444.31

	2022/6/30	2021/12/31	2020/12/31	2019/12/31
	1.16	1.47	1.42	2.33
	0.92	1.21	1.16	2.09
	65.10%	54.86%	30.81%	29.59%
	55.91%	54.47%	26.98%	28.56%
	2022 1-6	2021	2020	2019
	1.17	3.17	3.73	3.09

	1.27	2.80	4.29	5.86
	-0.75	-1.25	0.39	0.57
	-0.88	0.66	-1.24	2.42
	5.59%	6.01%	4.62%	5.71%

$$\begin{aligned}
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 \end{aligned}$$

			/	/
		-0.65%	-0.05	-0.04

2022 1-6

2

3

4

2

3

4

	2019	2020	2021	2022	1-6	
						53.43%
	54.55%	57.10%	52.40%			

5

2019	2020	2021	2022	1-6		
		26,073.30		24,078.40	21,440.36	
7,294.44					77.65%	75.55%
77.12%	51.29%					

2022			A							
-12,529.88	-7,486.09	2021	2022	1-6						
3										
	3	/	FCC							
4	/	FCC								
	IPO									
4										
			9,477.80	7,887.59						
10,058.63	14,643.29									
5										
6										
2010	11	15	2019	11	28					
GR201937100531										

15%

2020 12 02

GR202036001757

15%

[2016]41

“ 6,000 / FCC

”

“

”

2015-2017

2018-2020

[2017]34

“ 20,000 / FCC

”

“

”

2016-2018

2019-2021

FCC

13%

2

3

4

A

1.00

$$20 = \frac{11.77}{20} \times 80\% \times 20$$

$$P_1 = P_0 - D$$

$$P_1 = P_0 / (1 + N)$$

$$P_1 = (P_0 - D) / (1 + N)$$

$$P_1 = \frac{P_0 - D}{1 + N}$$

2022 5 2021

2022 6 20 0.05 /

11.72 / 11,720.00

35,160.00

1,000

3,000

30%

11,770.00

35,310.00

2022 5

2021

2022 6 20

0.05 /

11.72 /

11,720.00

35,160.00

36

2022

A

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2021	
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2022
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2022

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2022 4 22

2022 5 20

2021

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（本页无正文，为《中德证券有限责任公司关于青岛惠城环保科技集团股份有限公司向特定对象发行 A 股股票之上市保荐书》之签字盖章页）

项目协办人：樊佳妮
樊佳妮

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陈超 曹博武

内核负责人：何澎湃
何澎湃

保荐业务负责人：段涛
段涛

保荐人法定代表人、董事长：侯巍
侯巍

