



ENVIRONMENTAL,
SOCIAL AND GOVERNANCE
(ESG) REPORT

2022 环境、社会及
管治 (ESG) 报告
浙江华友钴业股份有限公司



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2022

2022

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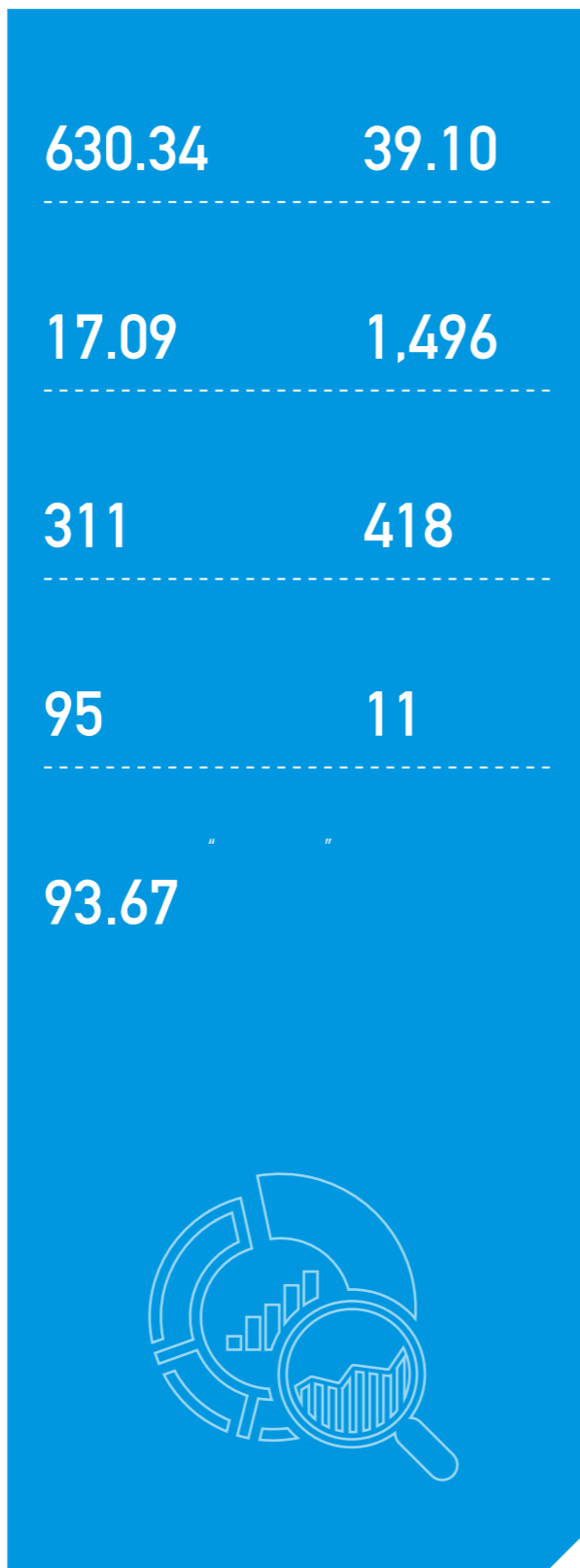
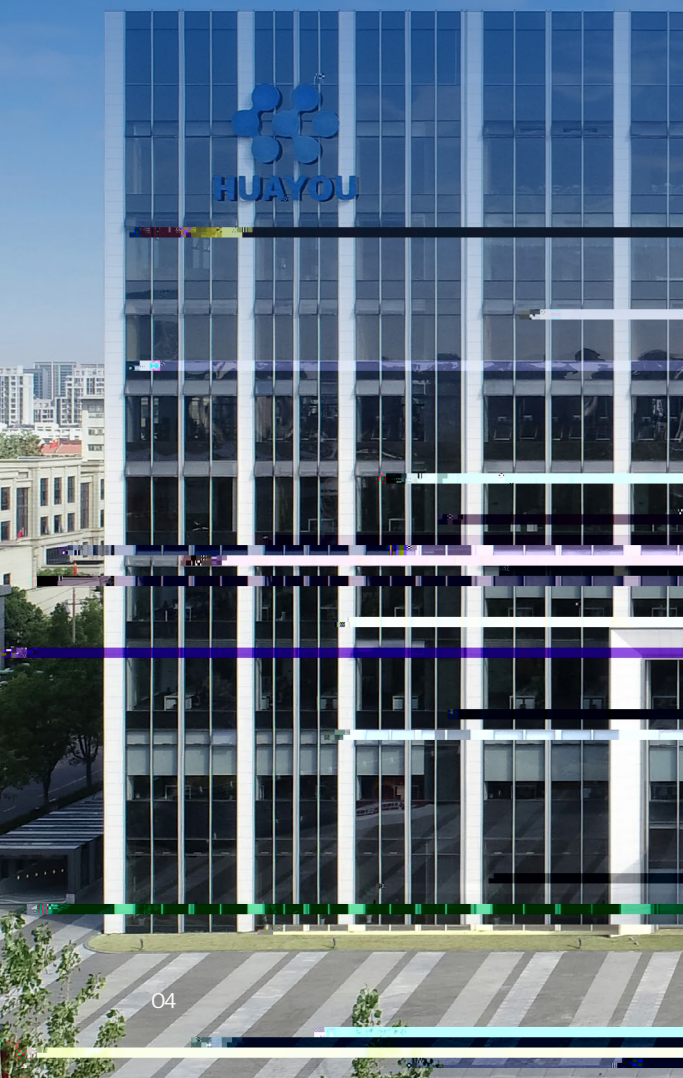
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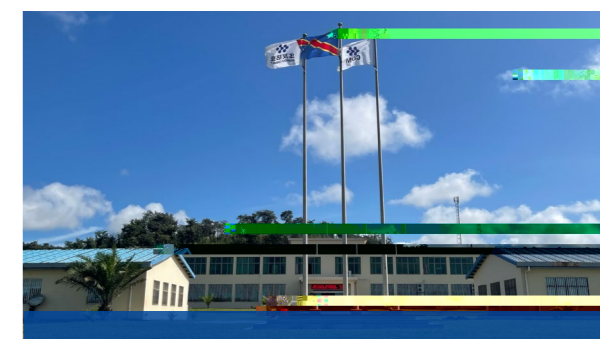
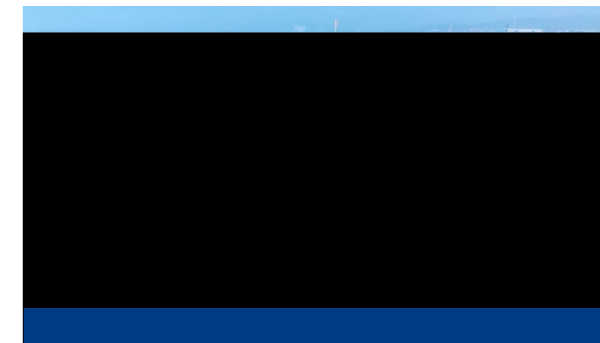
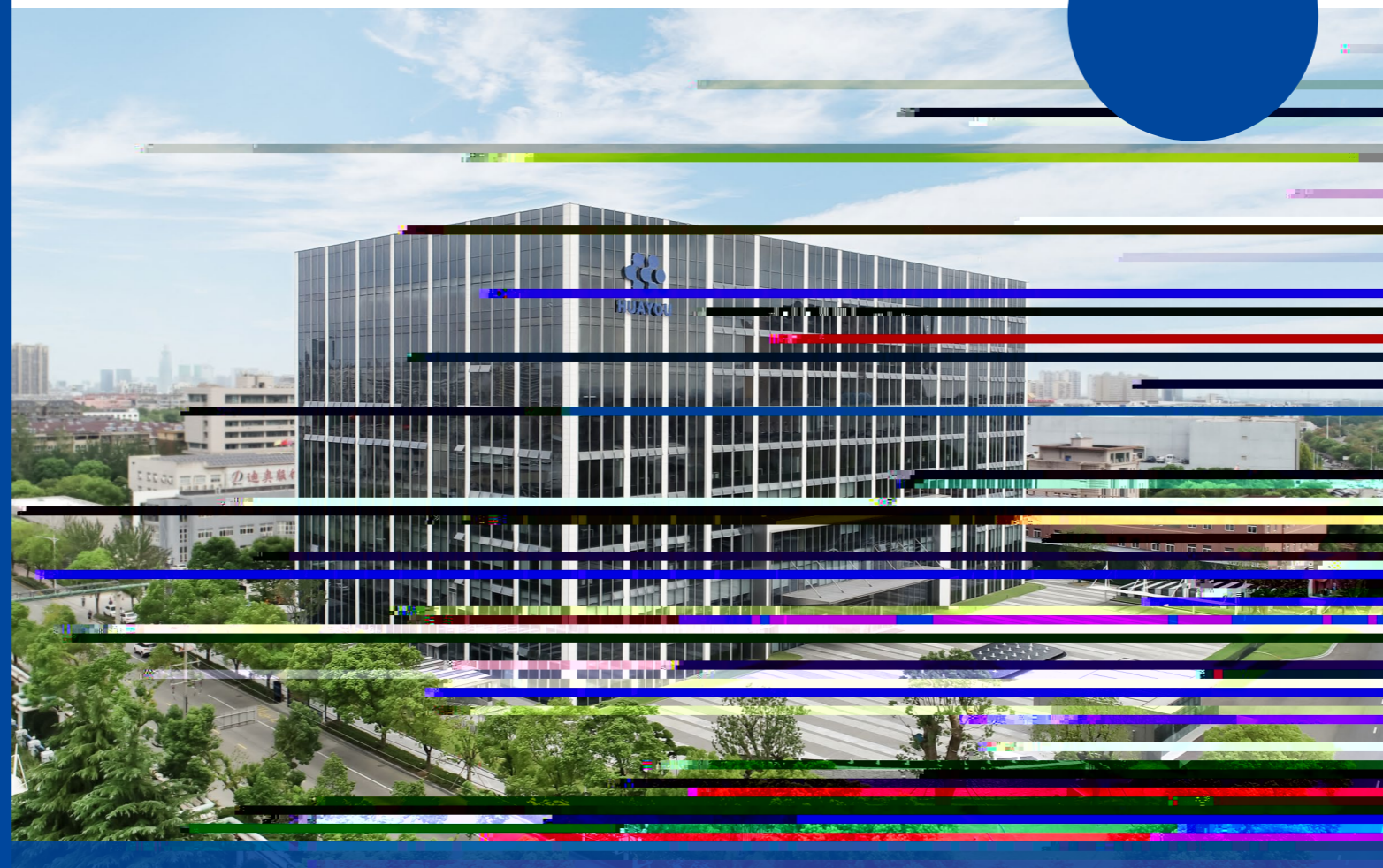


2022	2022	2023	2023
500	500	"	"
	ESG	2023	
		2023	
		2023	
		20	

2022



2022



ESG



ESG		



4

4 24
SGS PAS2060



5

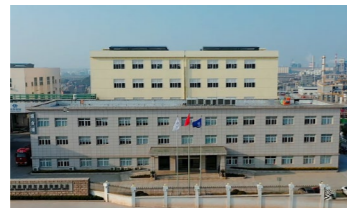
5 25



5 30 LG



5
SGS PAS2060



6

6 3
PT. PLN

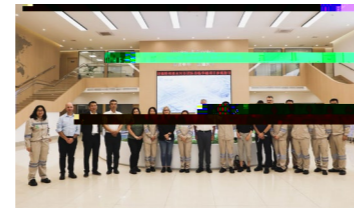


7

7 26
LG



7



7

7 31
2022
ERM
ESG



8

8 23



8

8 24 " 2022



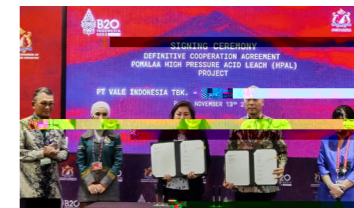
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9 CDM
425
25



11

11 13
G20



11

11 15 -16
G20

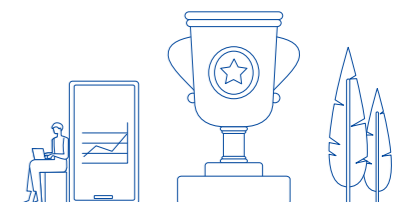


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12 19



12 19



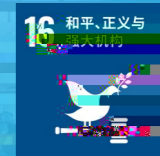


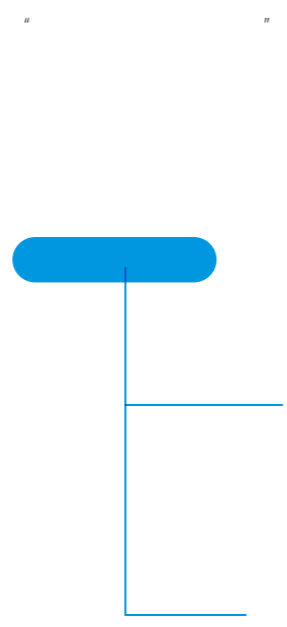
2022

500	500
500	" "
500	500
	2022 TOP50
2022 100	
" "	" "
ESG	



SDGs



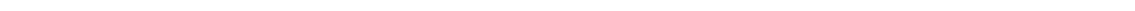
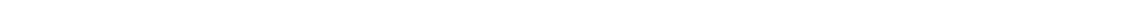



 2022

3	4	
<hr/>		
6	21	16

 2022

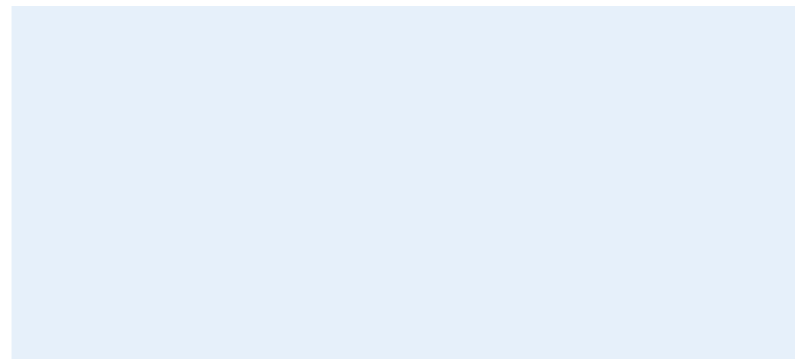

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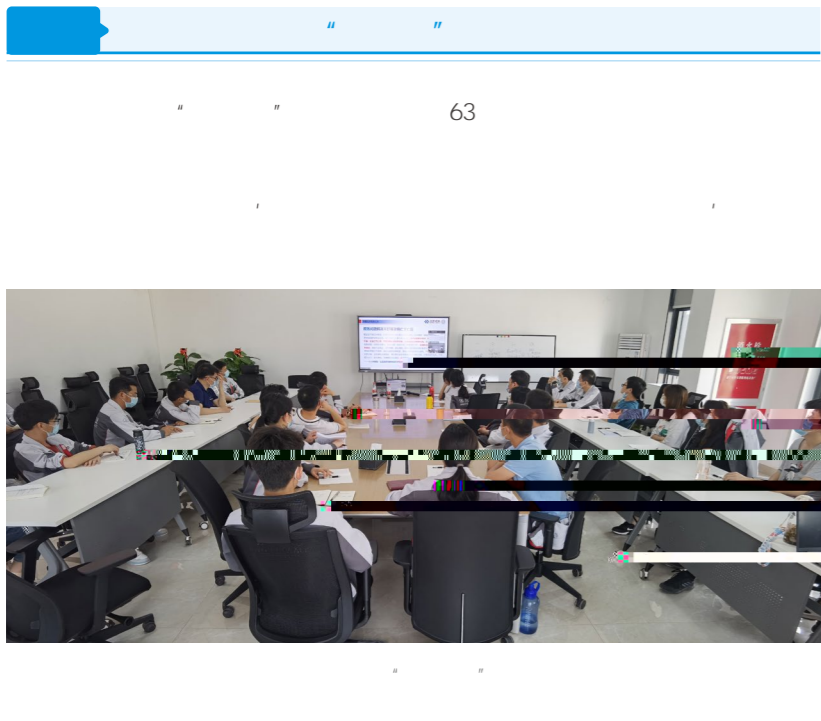




0573-88589103

report@huayou.com





63



46
4,096

IT

2023

2/

AD



18,772

23





2020

600

2021

700

2022

800

2020

1

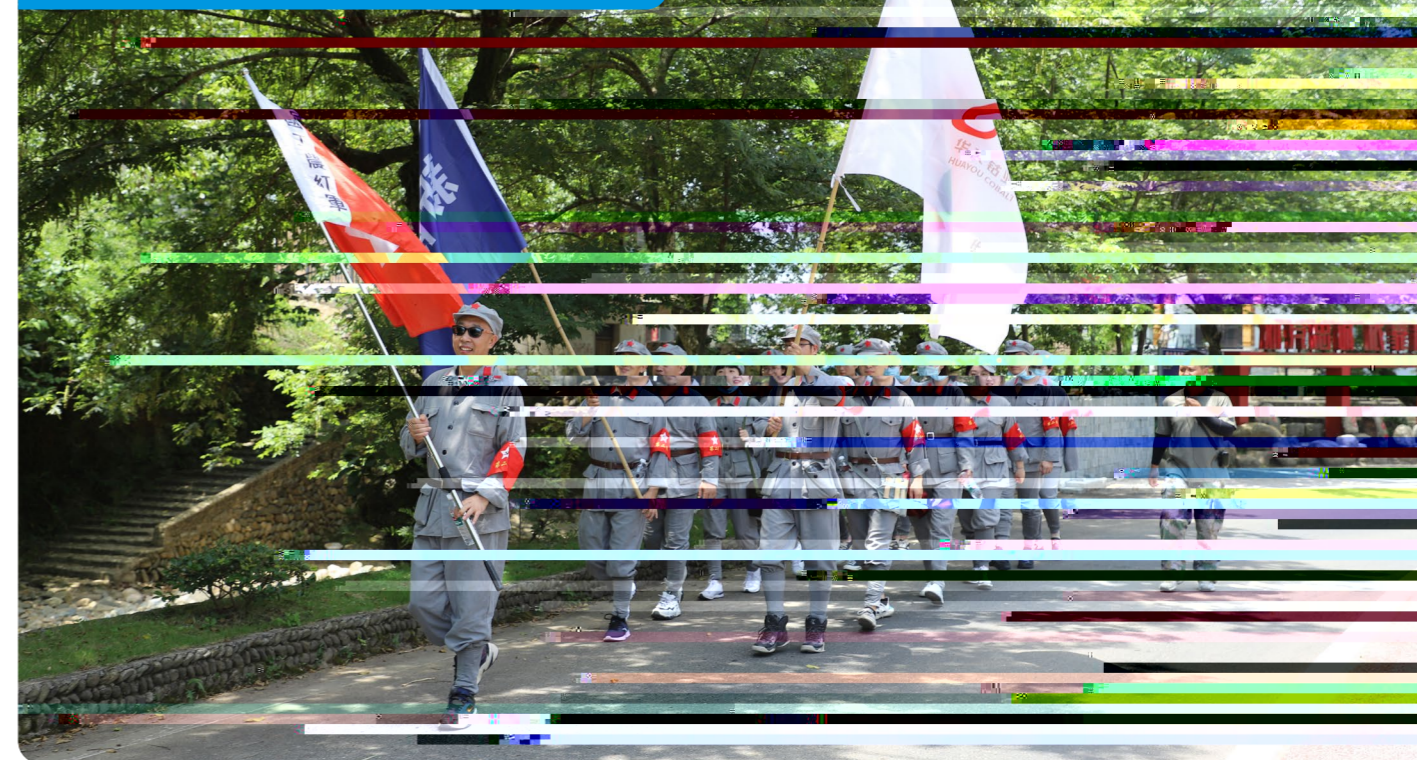
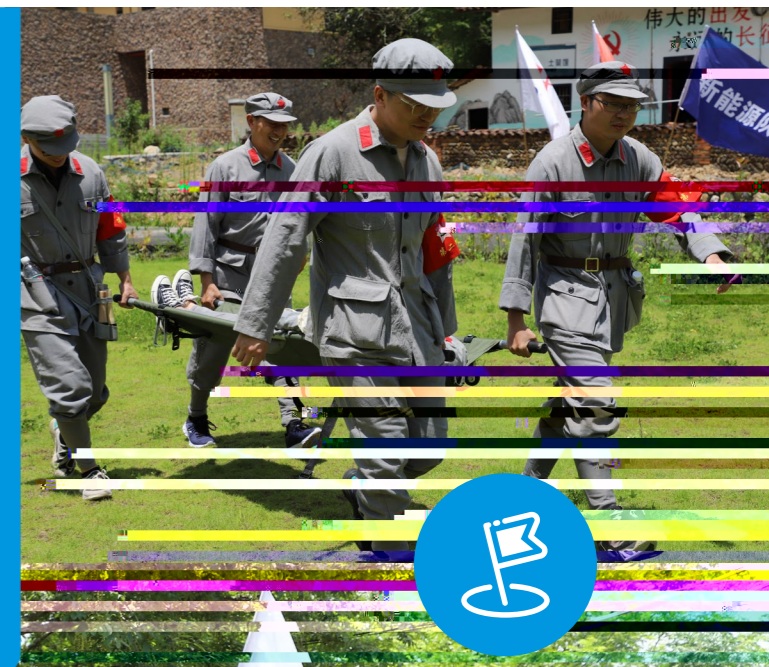
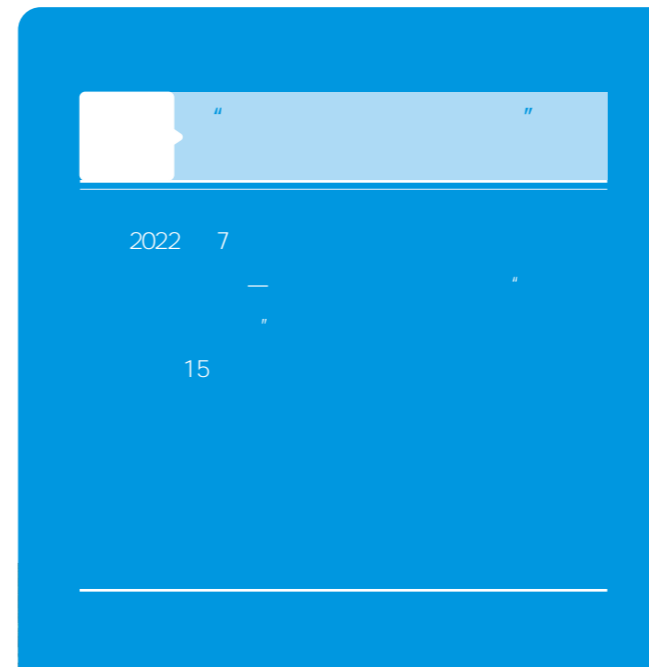
2021

2

2022

3

2022 10





EHS
EHS

EHS

EHS

EHS

SDGs



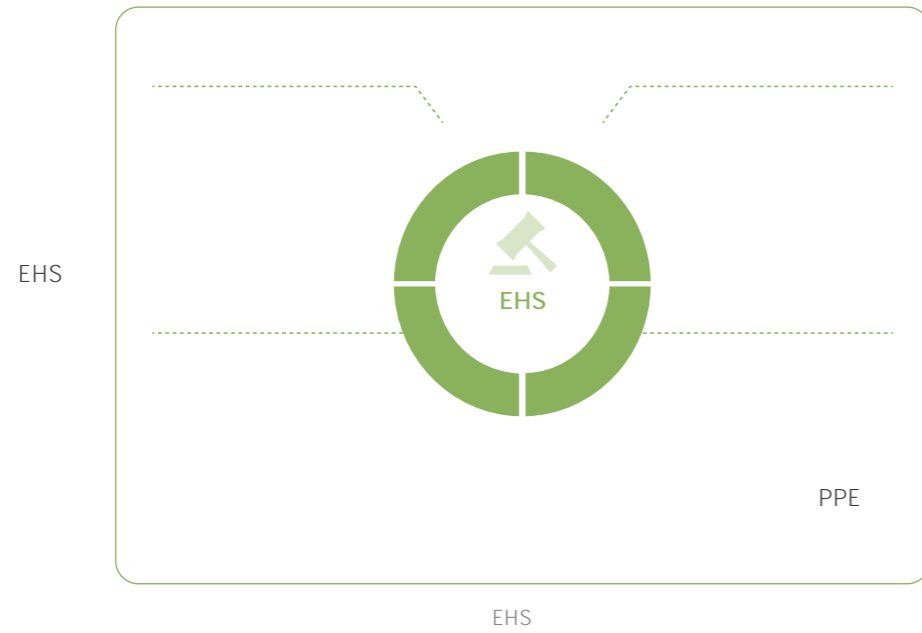
EHS

“ ” EHS
EHS

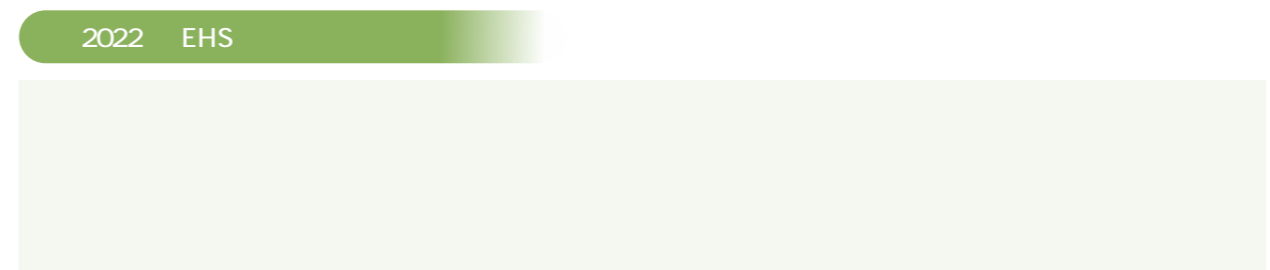
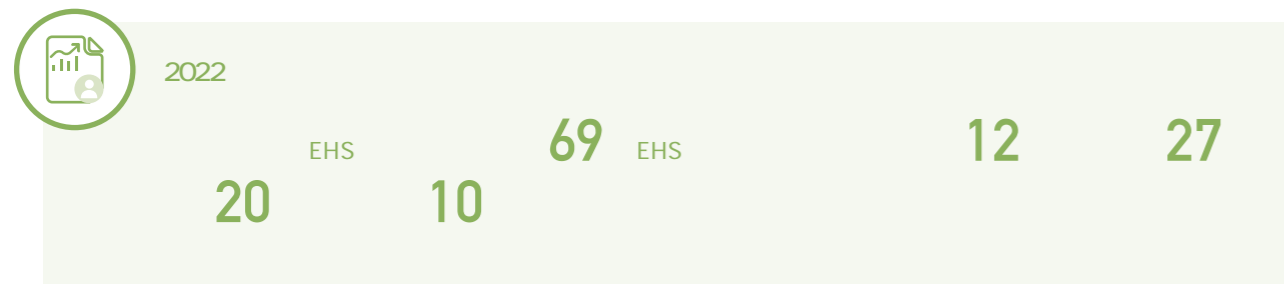


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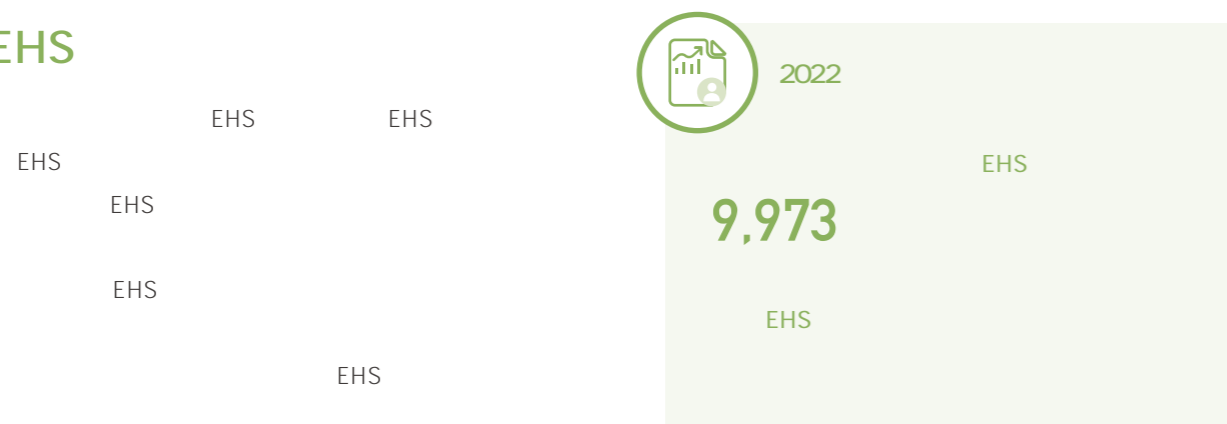
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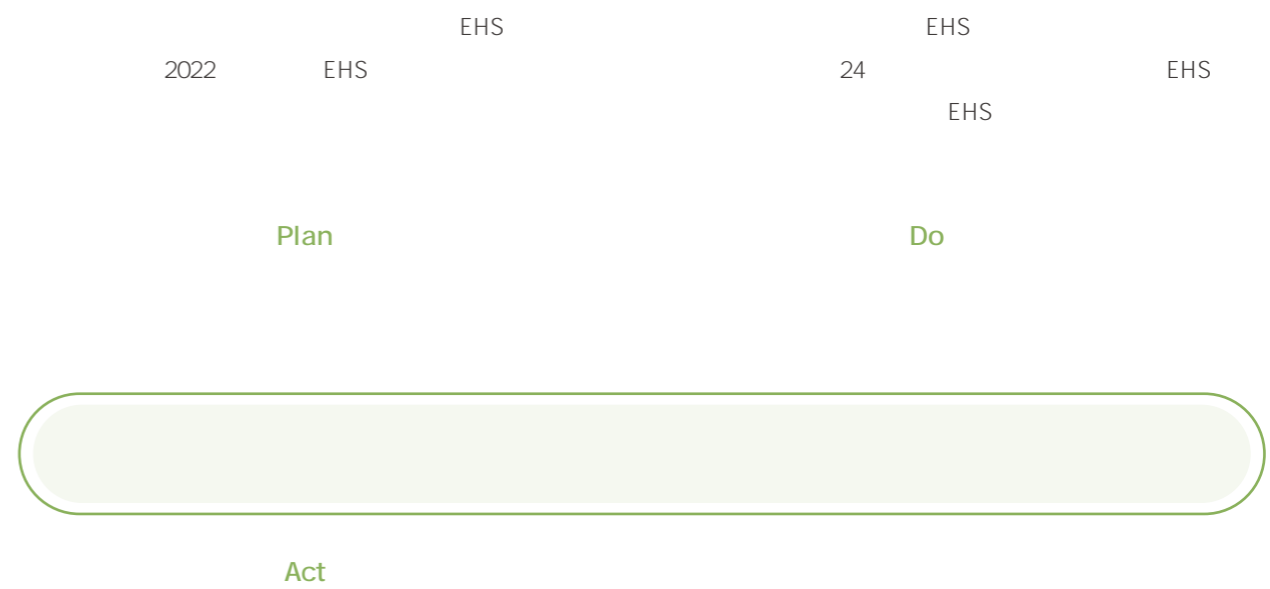
	1	●	
	2	●	
	3	●	
	4	●	
		EHS	



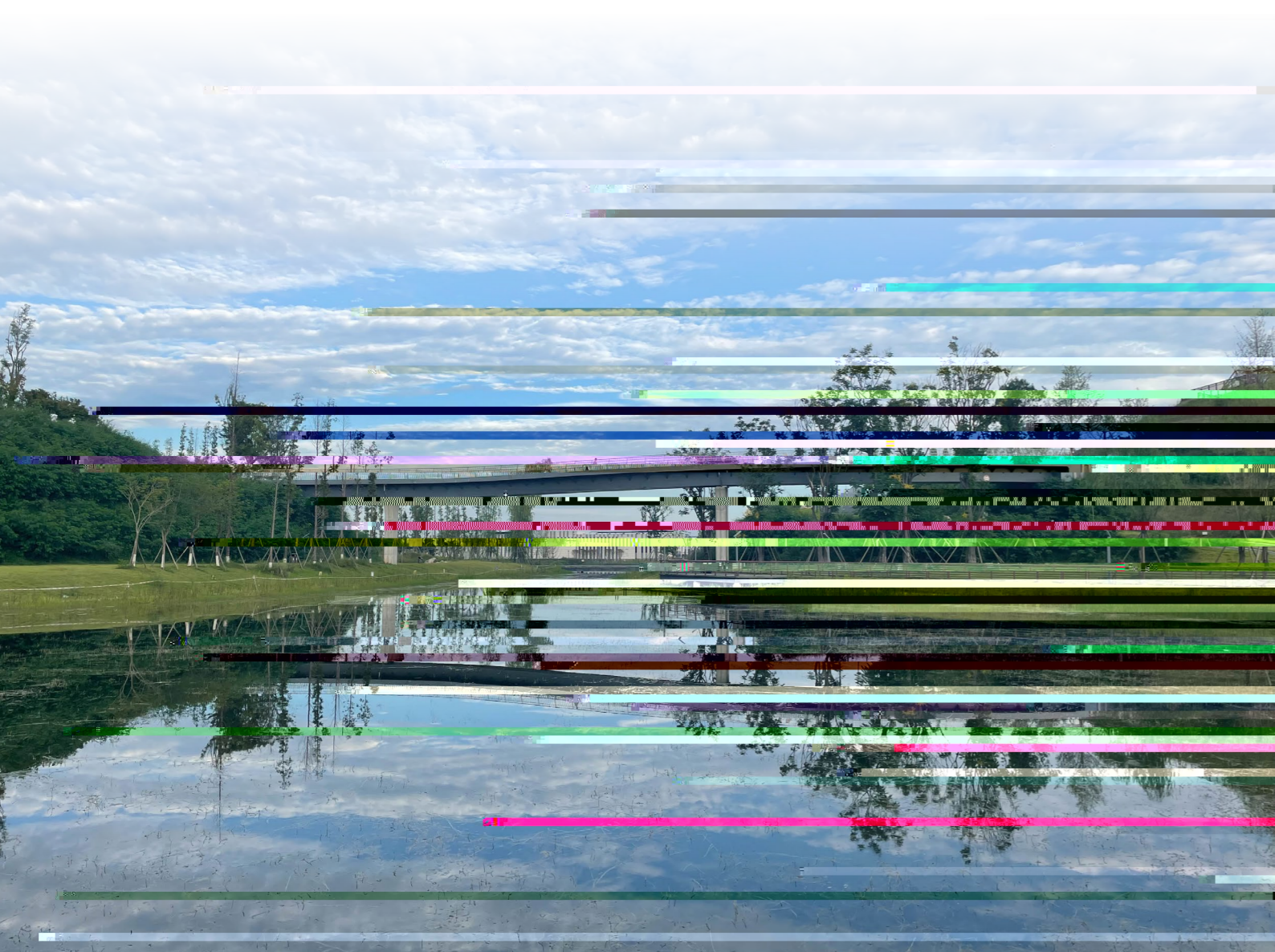
EHS



EHS



EHS



	EHS	EHS			
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2022	EHS				
	6	444	14	575	12
					689

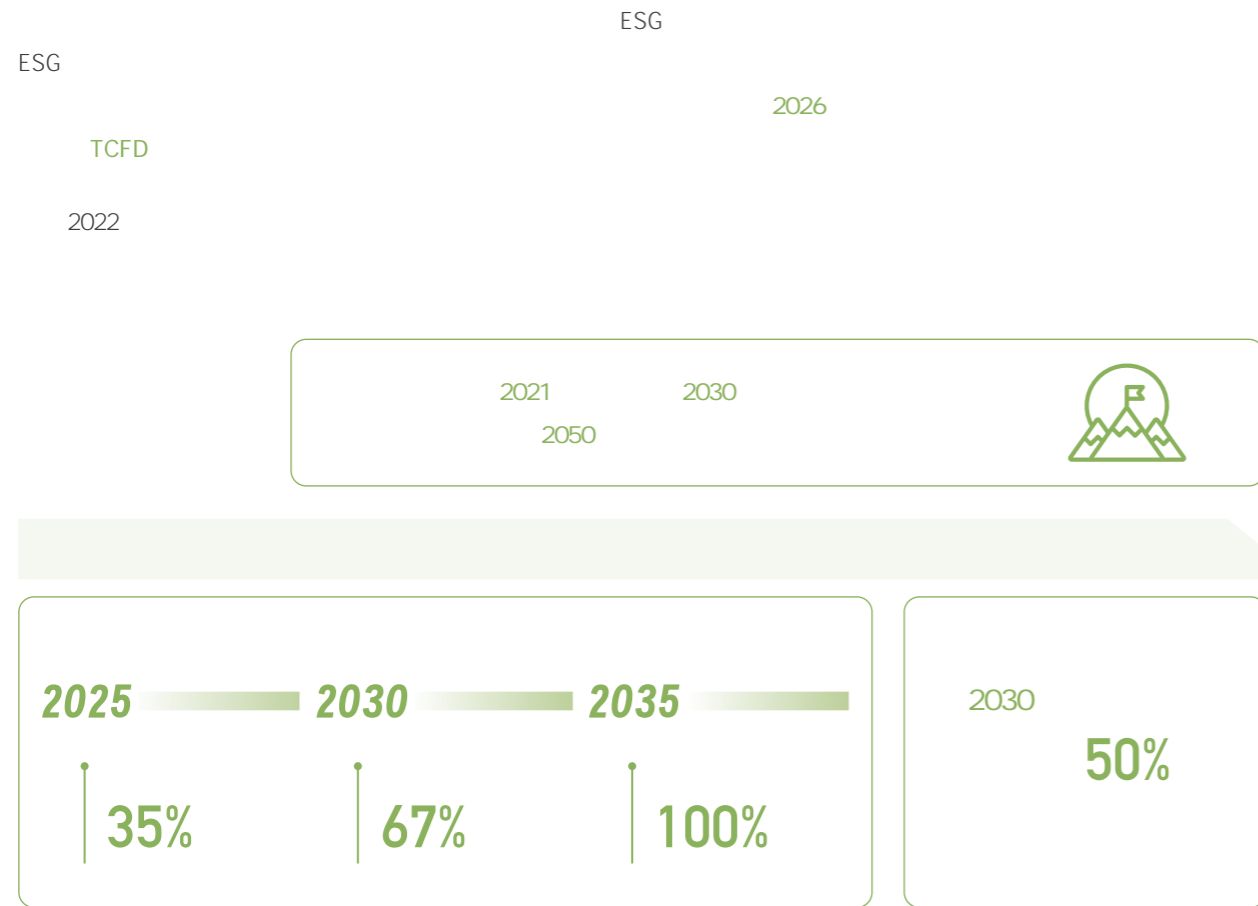


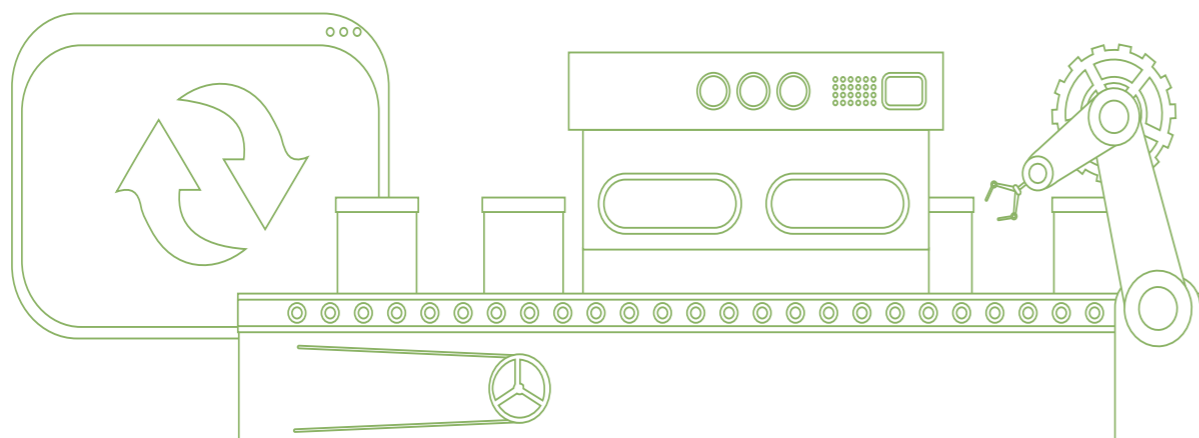
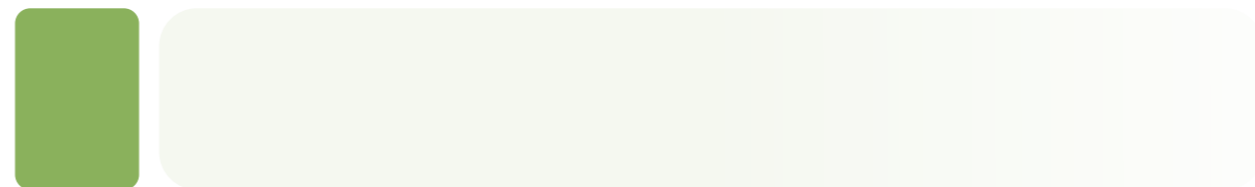
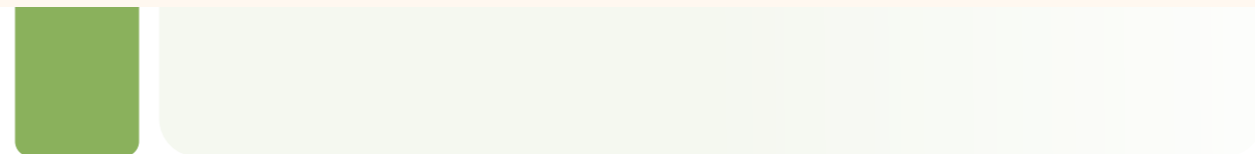
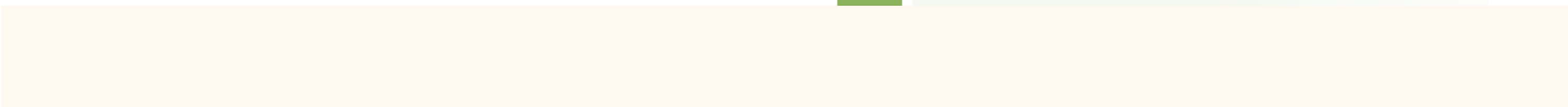
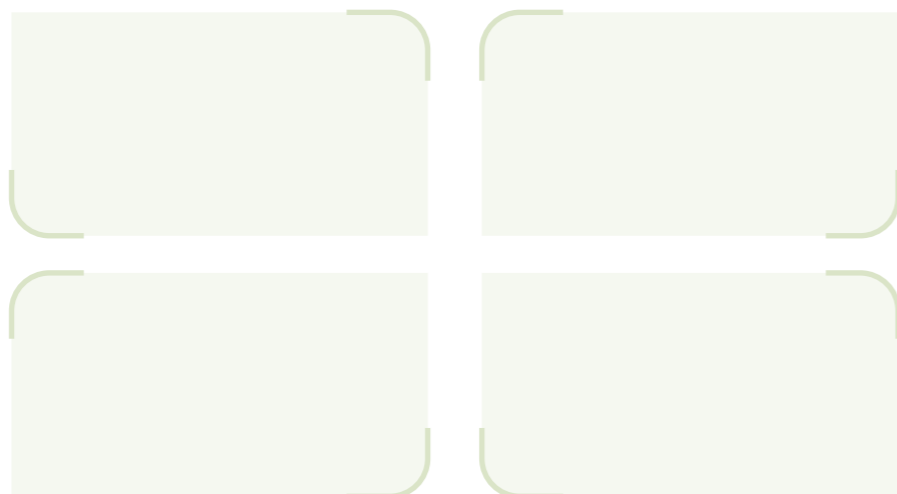
EHS

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2022				
	10	600		







" ESG "



- 1. 70%
- 2. 50%-





2022

实现“零碳”

全国第一



10,000	50,000	100,000
2~3 万吨	12~16 万吨	24~32 万吨
200~300 万棵	1,200~1,600 万棵	2,400~3,200 万棵



30KW/78KWh

BMS

2022 3

VOLKSWAGEN

GROUP CHINA



2022 5

40%

30%

100%





ISO14001



ISO50001

		/	*
		16,722	
	COD (mg/L)	21.11	
	BOD5 (mg/L)	30.74	
	(mg/L)	10.33	
	(mg/L)	1.73	
	(mg/L)	0.073	
	pH	8.01	
		249,480.64	
	COD (mg/L)	10.95	
	BOD5 (mg/L)	11.95	
	(mg/L)	2.92	
	(mg/L)	2.73	
	(mg/L)	0.094	
	pH	7.7	
	COD (mg/L)	180.5	
	(mg/L)	15.56	
	(mg/L)	3.553	
	COD (mg/L)	161	
	BOD5 (mg/L)	58.3	
	(mg/L)	38.3	
	(mg/L)	29.4	
	(mg/L)	2.6	
	pH	7.3-7.4	
		16,843,426.23	

*

MVR		
2022		
	3	MVR



IFC

RTO 2022



	2,247.22
	262.34
	155.4
	55,091.331
	7,059.8107
	2,344.274
	65.247
	407.344
	6.837
	63.32
	1,160
	895.754
	32.448
	45.065
	45.065
	73.218
	3.2
	321.1
	108.6
	28.74
	409.83
	409.83
	10.03
	7,983.326
	153.0625
	8,414,928.02

2022

2022



2022

2022

3 ()



3

100m²

2022 8
UL2799



91%





EHS



RCA

RCA

RCA
2022

RCA 44

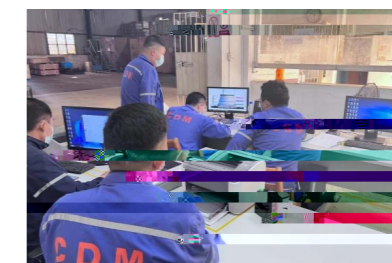


RCA

RCA

" "

2022





SDGs

9 产业、创新和基础设施



12 负责任消费和生产

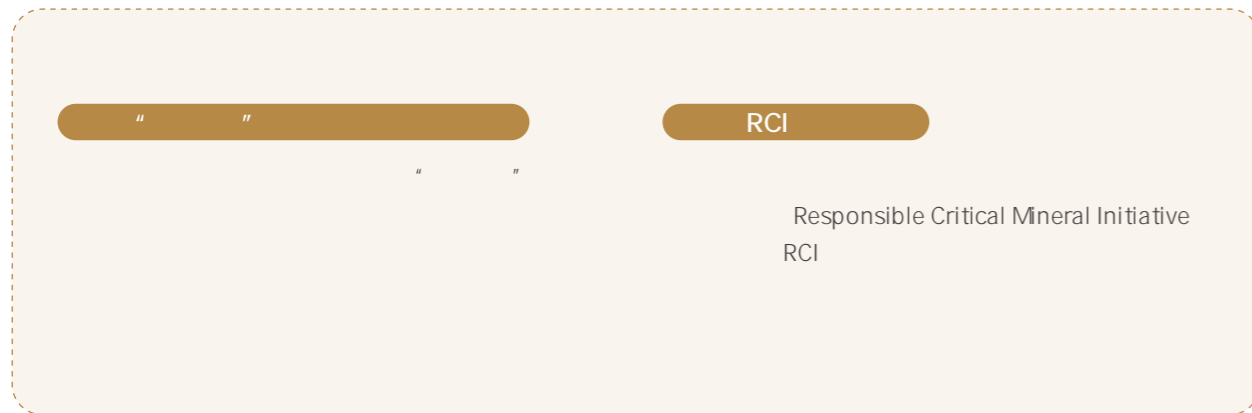


17 促进目标实现的伙伴关系

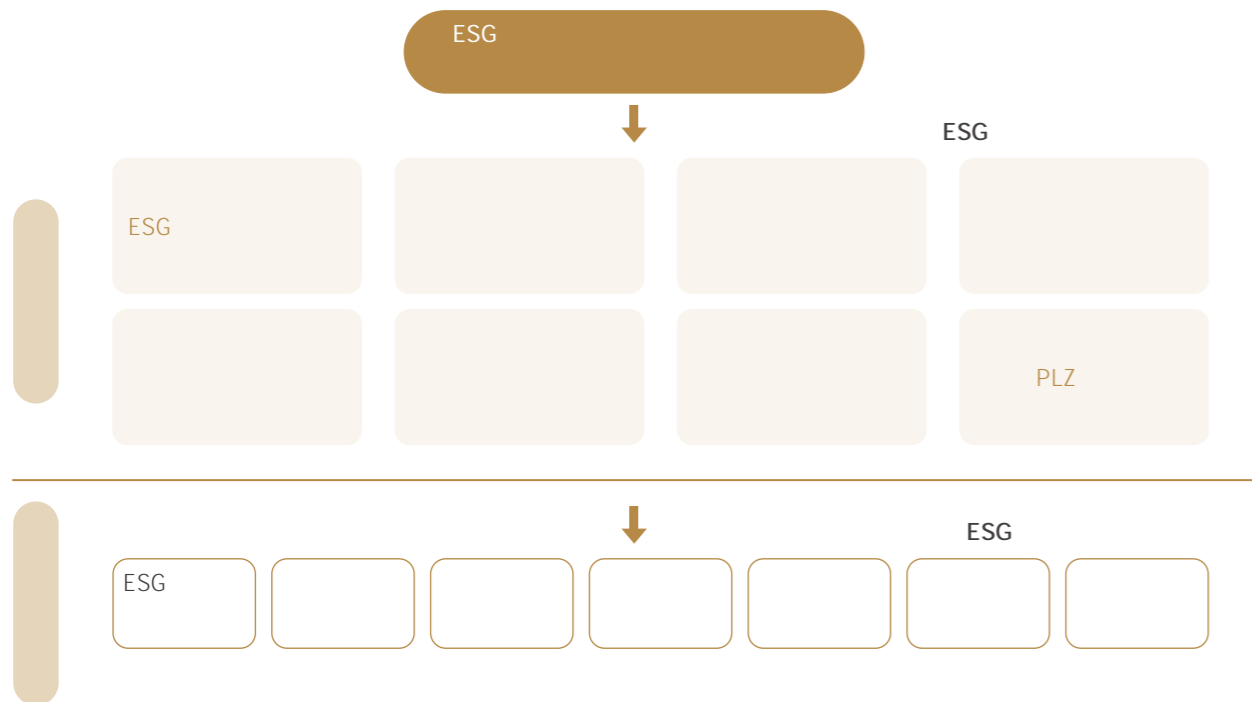


XHCU 569007
4561

ESG



2022



2022

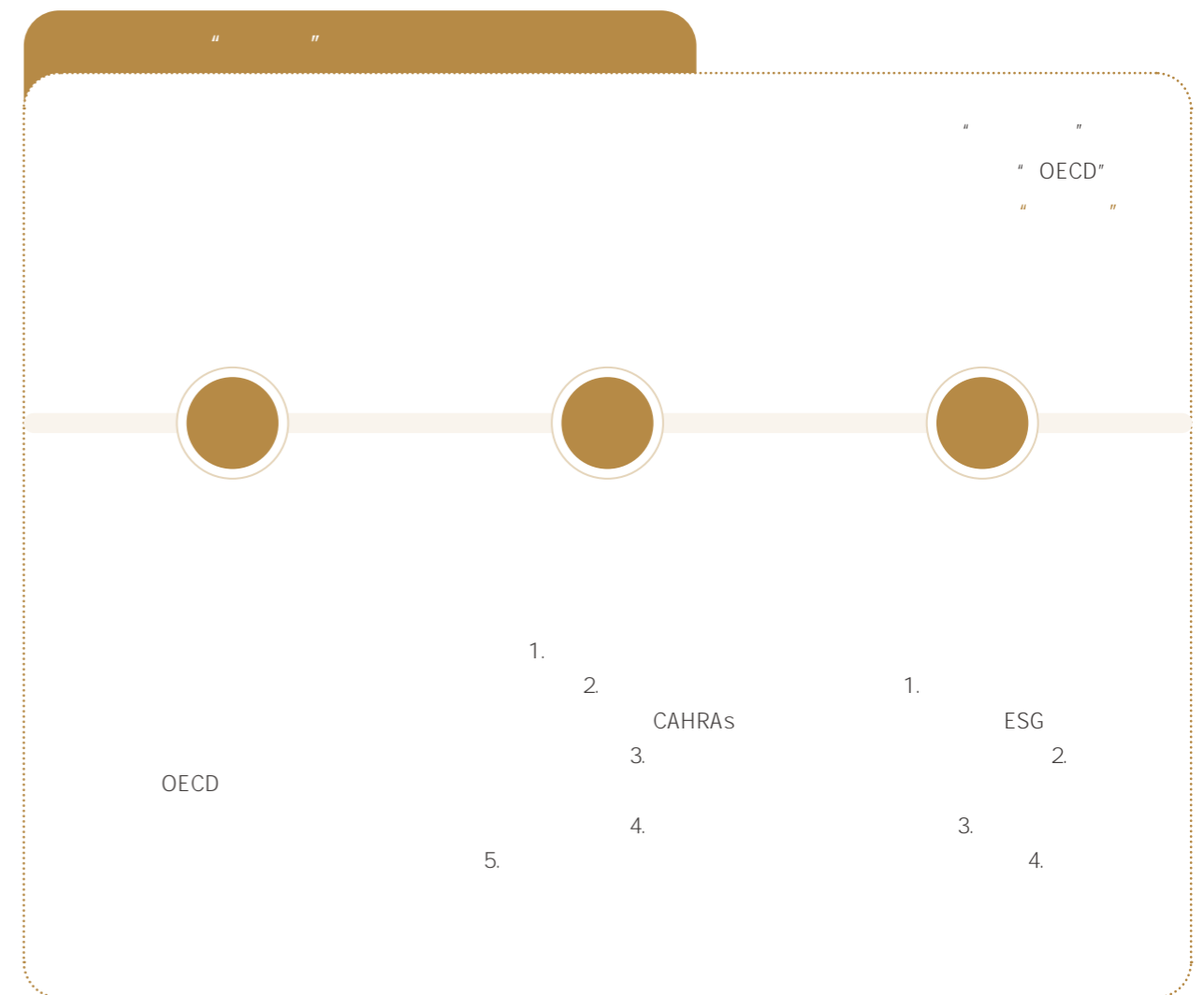
500

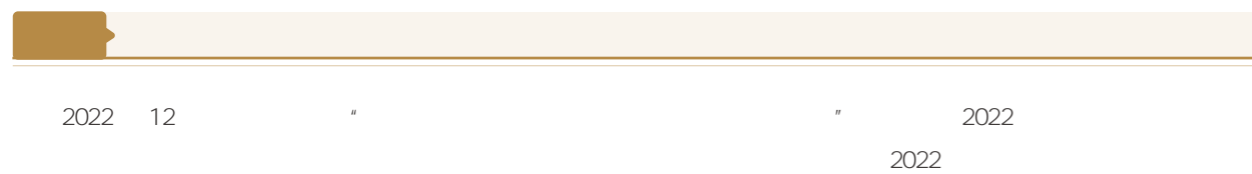
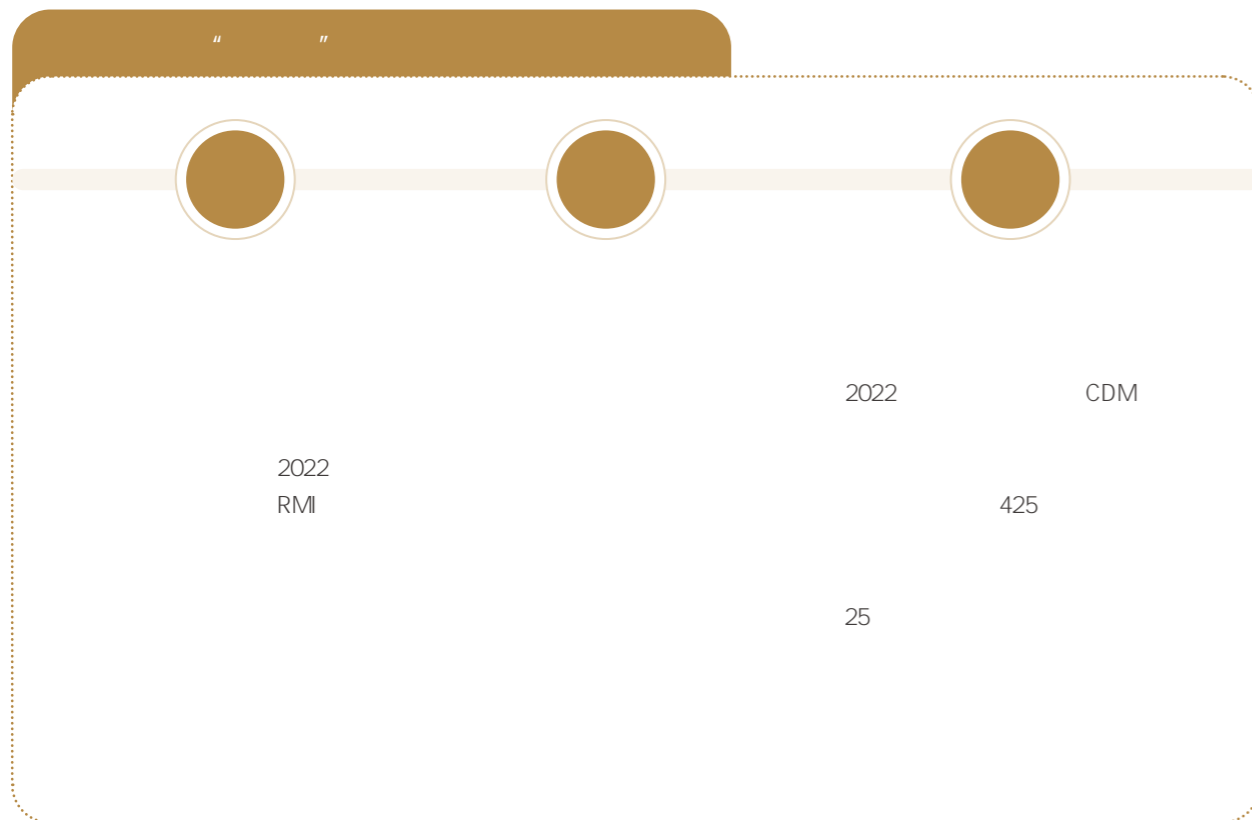
187

2,300

22%

8.1%





Responsible Critical Mineral Initiative

RCI

RCI

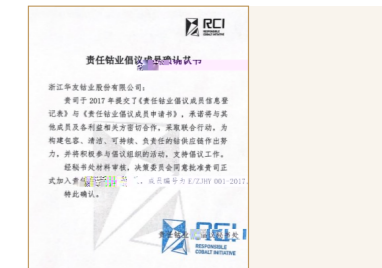
RCI

FMEA/PPAP/MSA/SPC

ISO 9001

IATF 16949

APOQ/



ISO 9001

IATF 16949

OCC





2022	
364	
468	
469	

2022



2022

	2020	2021	2022
	194	262	311
	77	81	191
	294	364	418
	77	89	193
	89	91	95
	11	11	11

SDGs



“ ”

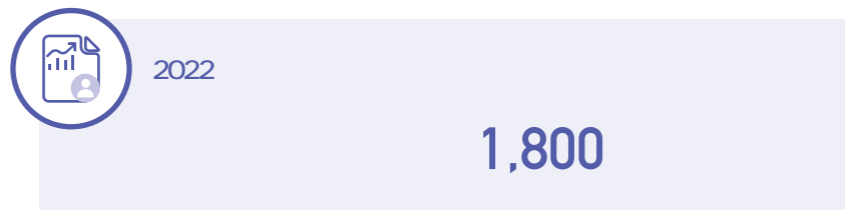






SDGs







2022 9 250



2022

1,300



2022 8 300 34 1,500 50 10



Luhut Panjaitan



2022 150 CDM MIKAS 35 425



CDM

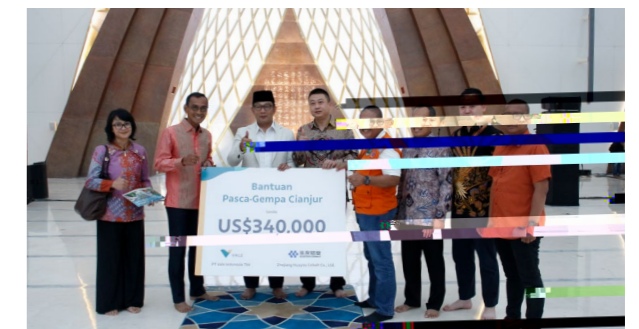


MIKAS



2022 11 5.6 Cianjur

220 50 110





GRI			
GRI 201	G201-1		
	G201-2		
	G201-3		
	G201-4		
GRI 203	G203-1		
	G203-2		
GRI 205	G205-1		
	G205-2		
	G205-3		
GRI 206	G206-1		
GRI 207	G207-1		
	G207-2		
	G207-3		
	G207-4		
GRI 301	G301-1		
	G301-2		
	G301-3		
GRI 302	G302-4		
	G302-5		
GRI 303	G303-1		
	G303-2		
	G303-5		
GRI 305	G305-1	1	
	G305-2	2	
	G305-3	3	
	G305-7	NO _x	SO _x
GRI 306	G306-1		
	G306-2		
	G306-3		
	G306-4		
	G306-5		
GRI 308	G308-1		
	G308-2		

GRI			
GRI 401	G401-2		
	G401-3		
GRI 403	G403-1		
	G403-2		
	G403-3		
	G403-4		
	G403-5		
	G403-6		
	G403-7		
	G403-8		
GRI 404	G404-1		
	G404-2		
GRI 405	G405-1		
GRI 406	G406-1		
GRI 407	G407-1		
GRI 408	G408-1		
GRI 409	G409-1		
GRI 411	G411-1		
GRI 413	G413-1		
	G413-2		
GRI 414	G414-1		
	G414-2		
GRI 415	G415-1		
GRI 416	G416-1		
	G416-2		
GRI 417	G417-1		
	G417-2		
	G417-3		
GRI 418	G418-1		

2022

ESG

1.

2.

3.

4.

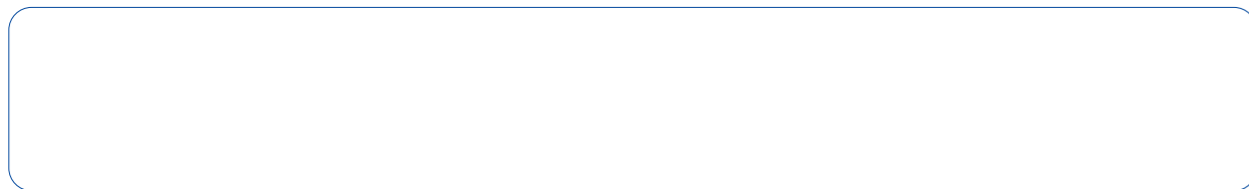
5.

6.

7.

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9.



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