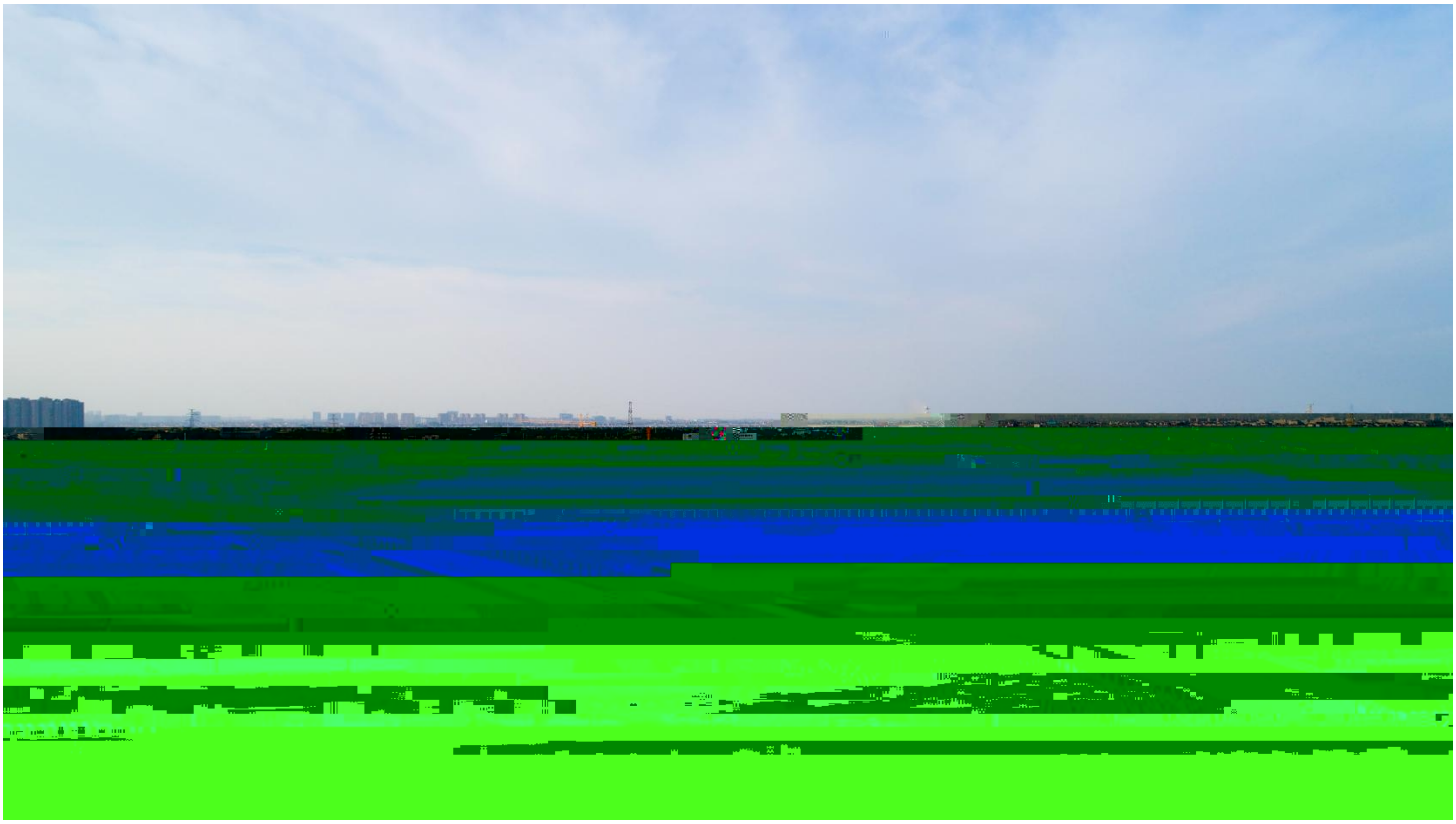


1.
1.1
1.2
1.3
2. ESG
2.1
2.2
2.3
3.
3.1
3.2
3.3
3.4
3.5
4.
4.1
4.2
4.3
5.
5.1
5.2
5.3
5.4
6.
6.1
6.2
6.3
6.4
ESG
GRI —— GRI

ESG

2024 1 1 -12 31

GRI GRI GRI

standards 1

2023 12 2030

https://www.chinaztt.cn/socialResponsibility/149.html

ztrfc@ztt.cn

2004

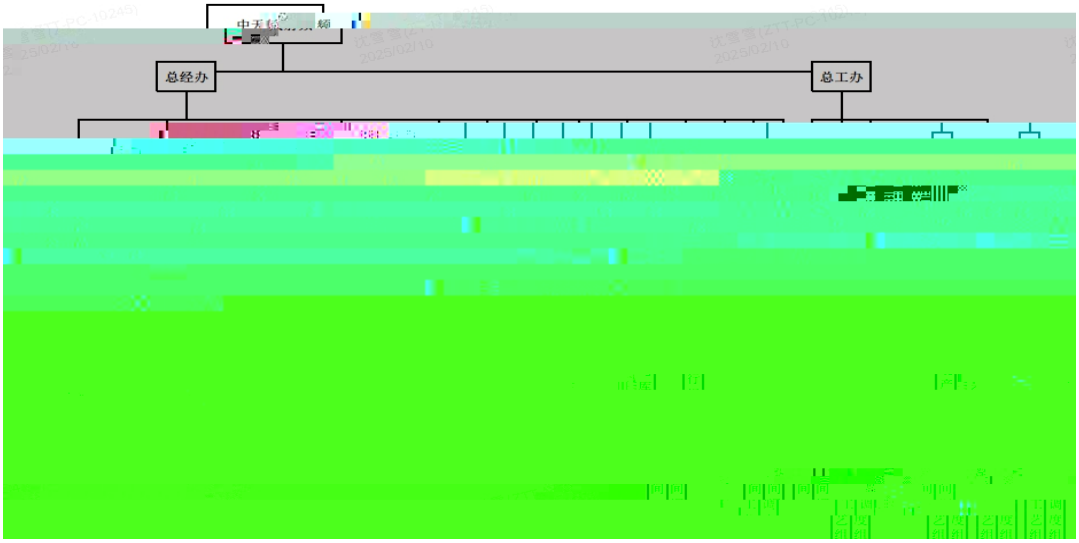
2004 12

50000 2024

AAA A 2.3

5G

5G



5G

AAA	2024	
	2024	
	2023	
	2023	
	2023	
	2023	
	2022	
	2022	

2021	2021	
2021	2021	
2021	2021	
	2021	

ESG

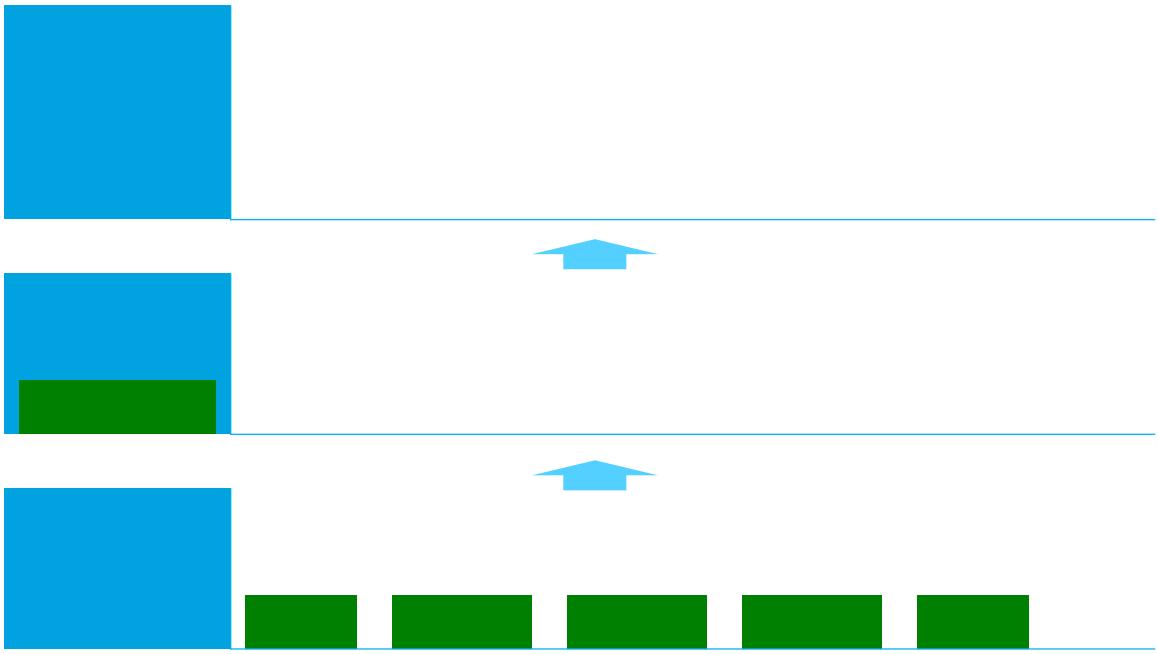
2022

2023

ESG ESG ESG

ESG 2024 ESG

ESG



ESG

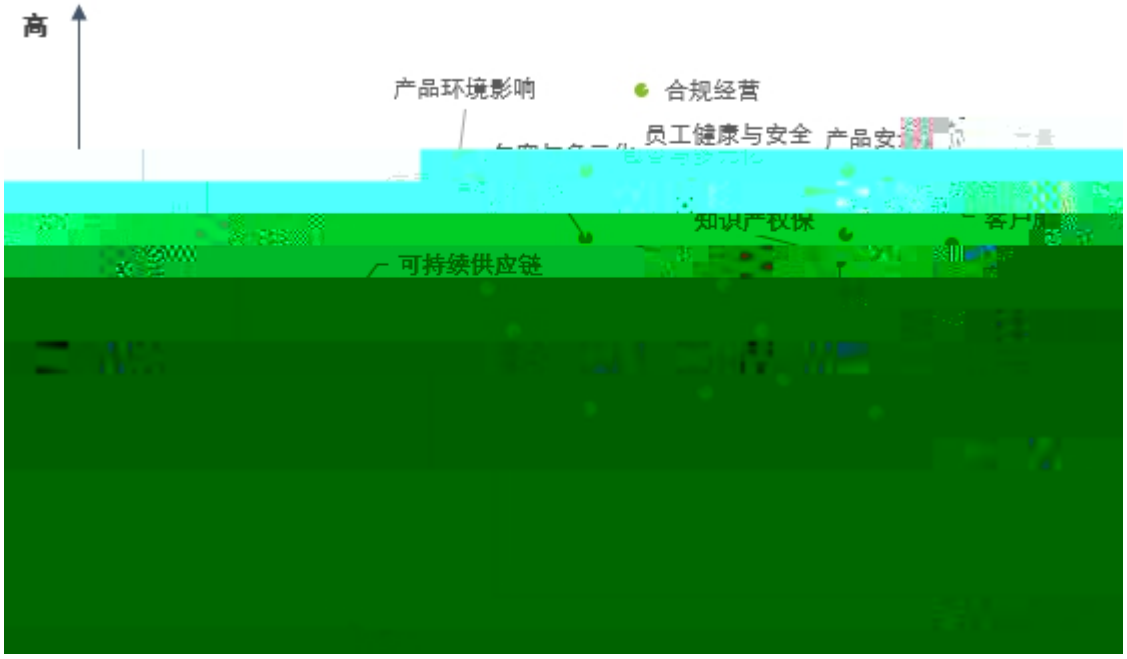
ESG 2024

		/

2024 ESG

90

ESG


高
产品环境影响
合规经营
员工健康与安全
产品安
知识产权保
客户
可持续供应链

2024

2024

2024 ISO 9001 TL9000

IECQ QC080000 CRCC

2024

2024

2024

2024

95.27% 0.27%

2024

CSR

7 CSR

2024 147

CSR

HSF

CCS

CSR

94.56%

100%

SRM

2024 70%

(20)

15% 20

7 (35%)

15% 6.9%

2024

2024 3

1 55

2024

2024

CSR

2024 0

2024 /

2024

2024 88 17%

CBTC

2024	5G		
2022			

2021

2021

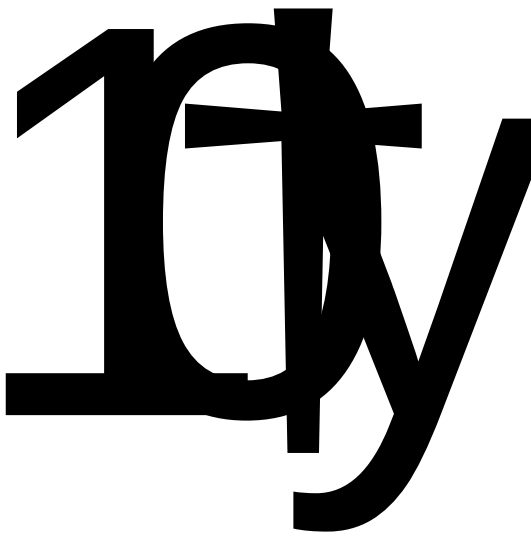
3

2021

2021

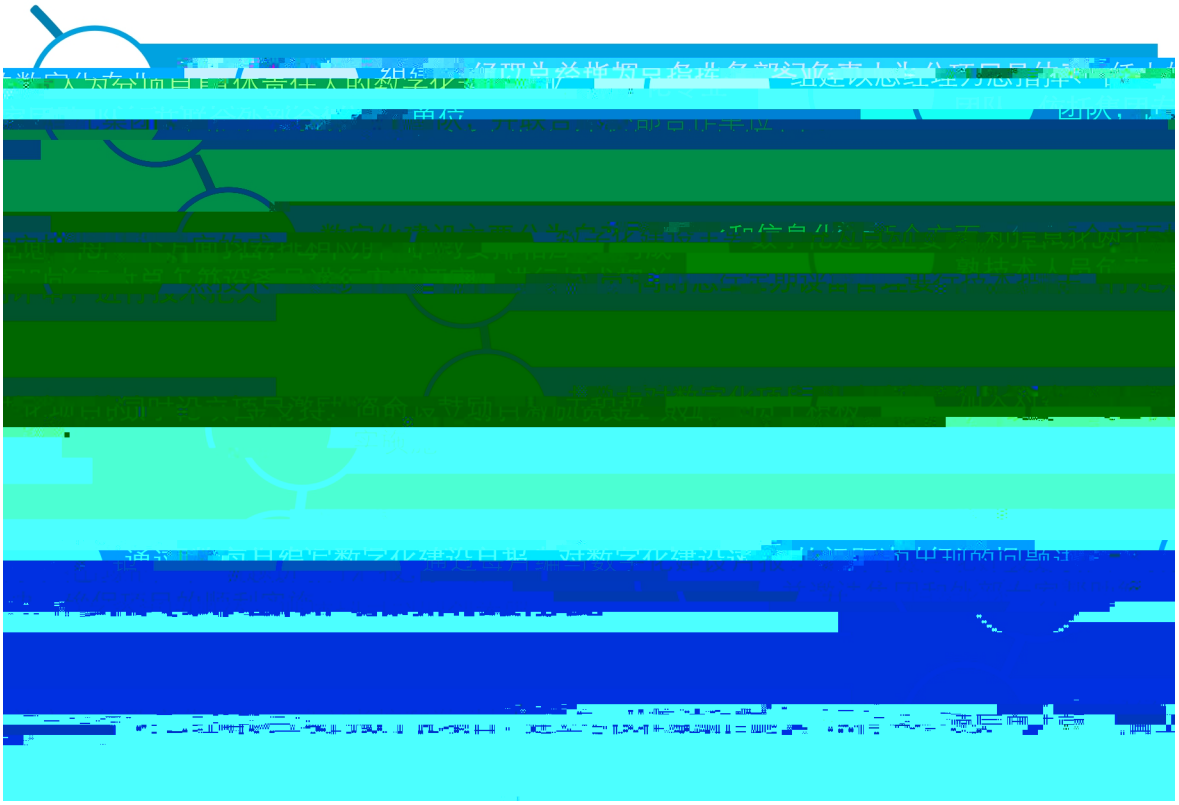
2020 5G

2019



2023-

2025



2025 28 2024 24 24

6

	5DFB	• 18% •

		• 1 / 0 •
		• 0 •
		• 0.61% 0.24% •
	PID 1	• 3 1 • 5 / 0 /

2024 28 8 PCT 46

34 2

2024

PCT

PCT

2010

2011 4

13 9

8

2024 229 4207.5

2024

5 2 2

1

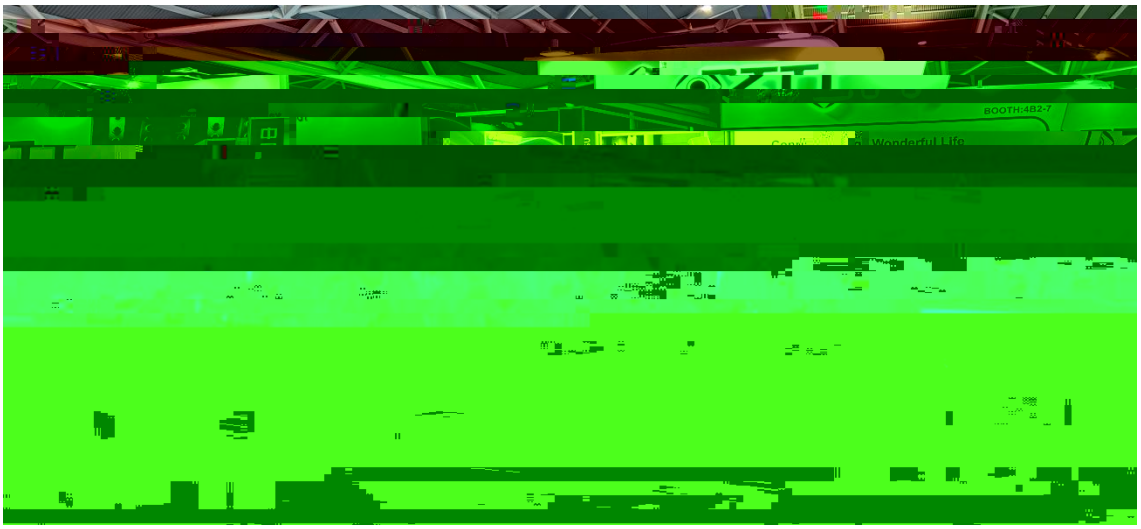
IEC

2024 /

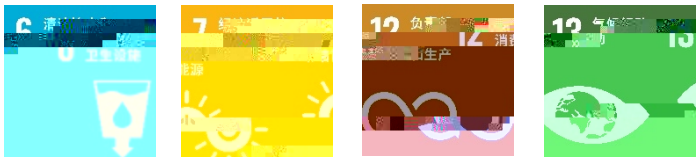
7 3 1

2024

/



2024 5 CommunicAsia



2024

2024

2024

2024

LCA

		45%
	380 250	

5S

2024

HSF

/ HSF

HSF

0.01%

8%

2022-2024

3000

2024

8395.5

2024

GLCM

2021

2025

2024-01-01~2024-12-31 2024 1

2 7649.44

2024 HSYV-5e 4x2x0.50mm HSYY-5e 4x2x0.50mm HSYZ-6 4x2x0.57mm HSYPV-6A 4x2x0.57mm HCAAY-50-12 HCAAYZ-50-12 HRCAYZ-50-9 HRCAY-50-9 HCTAYZ-50-23 HCTAY-50-22 HCTAY-50-32 HHTAY-50-42 HLRWUCYZ-50-22T HLRHTCYZ-50-32T 4310M-4310M-9*2 4310M-4310M-9*15 NM-NM-9*2 4310M-4310MA-9*5 4310M-DM-9*3 4310M-NM-9*3 4310M-DMA-9*3 DM-DMA-9*3 NM-NM-12*3 DM-DM-12*2 1/2 1/2 N 7/8 7/8 N

ISO 14067

2021

2024

		2074.7
		1648.38
		1384.80
		263.58
		16.091

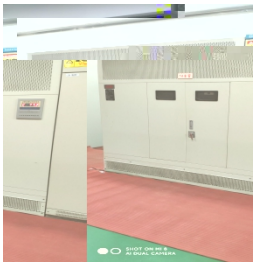
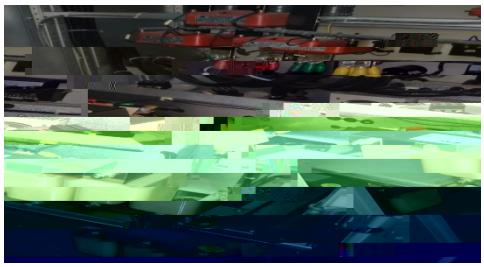
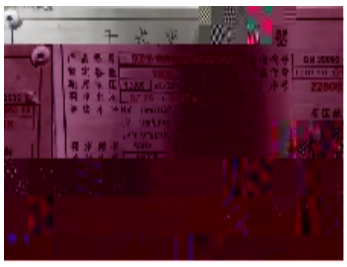
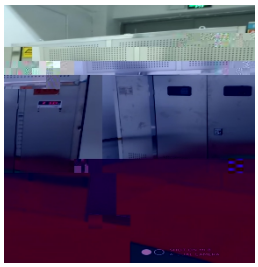
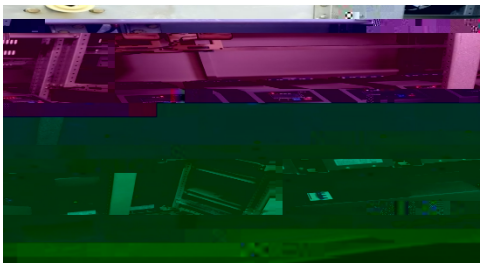
SCB10-2000/10 SCB10-1000/10 2010

2012

2004

SCB10-2000/10 SCB10-1000/10 SCB18-2000/10 SCB18-1250/10

2# 3# 450kvar/ 5.8

270.6kWp 393.72kWp 664.32 kWp

2024 263.58 15.99%

ISO14001:2015

2024

15 PQ1

PQ2

UV 15 PQ3

2024 %

2024 ,

2024

2024

ISO 45001

2024

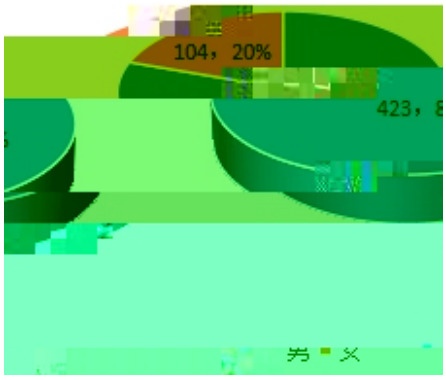
2024

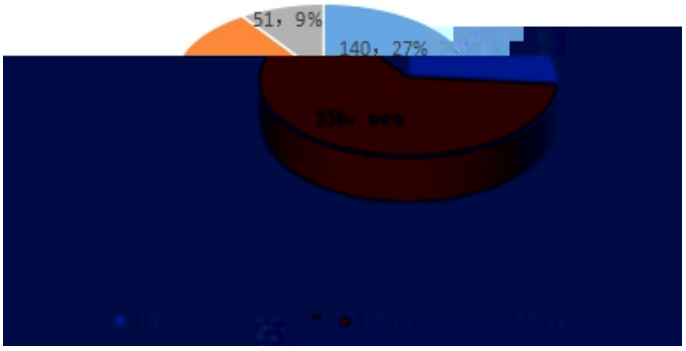
2024

0 0

2024

2024 527 59 6





2024

860.67% 15.24%

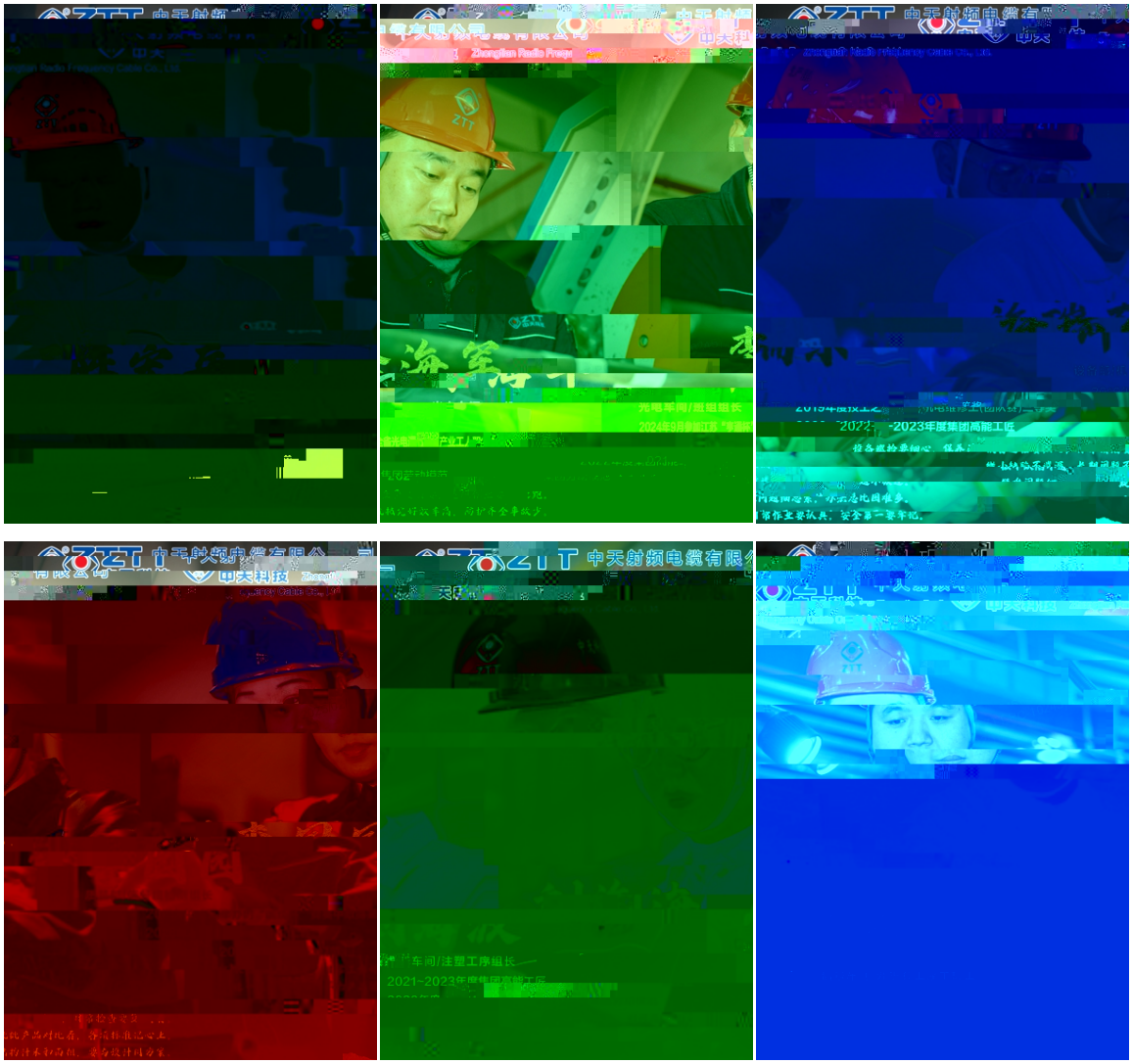
1552170h

2024

5S 3

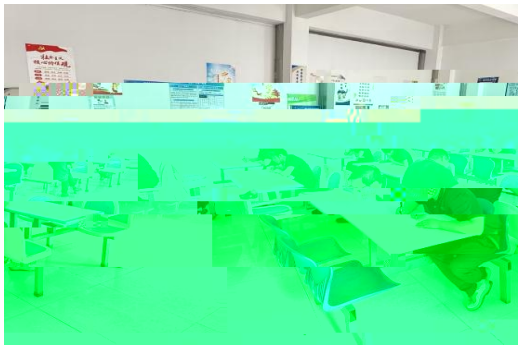
30429

49



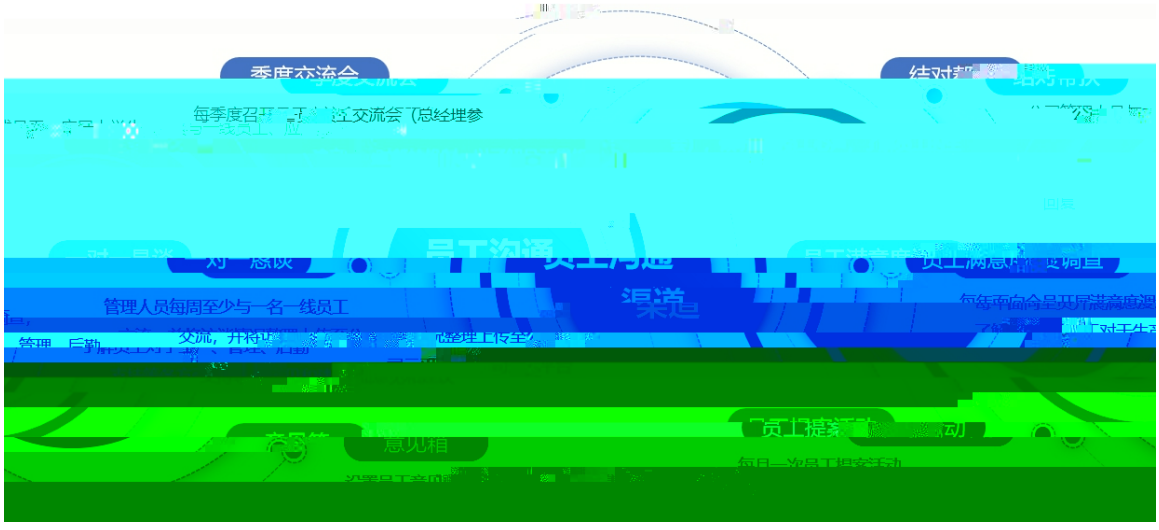
2024

5s

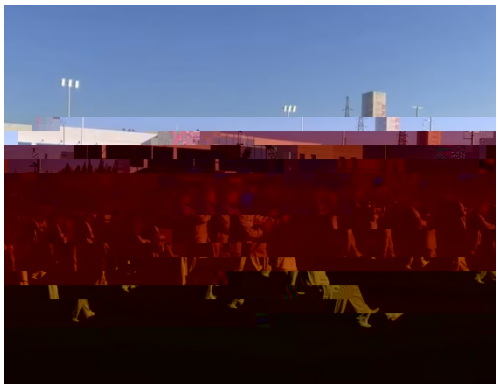


2024 100% 15% 92%

1% 100%



2024



2024

2024 12893.75

180

2024 10

		0	0	0
	%	92.48	95.01	95.27
		109	118	147
/		6	4	9
		23	38	46
		18	46	36
		1917.6	2090.3	2074.7
		2960423	2912500	2635809
		134.07	126.78	195.36
		6888.98	7827.12	7458.00
		7023.05	7953.90	7653.36
		101526	106618	95795
		894	1000	10823
		6985.5	7128.5	8395.5
		510	528	527
		397	417	423
		113	111	104
		74	73	59
		25574	27984	30429

		0	0	0
		0	0	0
		0	0	0
	%	90	91	92
		5.63	75	10

	5S	
		2020

	2015 3	
	5S	
		1

	2-29	P9
	2-30	P36
	3-1	P10-11
	3-2	P10
	3-3	P10-11
	201-1	P6
	201-2	/
	201-3	/
	201-4	/
	202-1	/
	202-2	/
	203-1	/
	203-2	/
	204-1	/
	205-1	/
	205-2	P16
	205-3	
	206-1	
	207-1	/
	207-2	/
	207-3	/
	207-4	/
	301-1	/
	301-2	P24
	301-3	P25
	302-1	P28
	302-2	/
	302-3	/
	302-4	P27-28

	302-5	P27-28
	303-1	P30
	303-2	P29
	303-3	P30
	303-4	P29
	303-5	P30
	304-1	
	304-2	
	304-3	
	304-4 (IUCN)	
	305-1 1	P26-27
	305-2 2	P26-27
	305-3 3	/
	305-4	/
	305-5	P26-27
	305-6 ODS	/
	305-7 NOX SOX	P29
	306-1	P29-30
	306-2	P29-30
	306-3	P29-30
	306-4	P29-30
	306-5	P29-30
	308-1	P14-15
	308-2	P14-15
	401-1	P32, P35
	401-2	P33
	401-3	/

	402-1	/
	403-1	P31-32
	403-2	P31-32
	403-3	P31-32
	403-4	P31-32
	403-5	P31-32
	403-6	P31-32
	403-7	P31-32
	403-8	P31-32
	403-9	P31-32
	403-10	P31-32
	404-1	P33
	404-2	P33-34
	404-3	/
	405-1	P32
	405-2	P35
	406-1	P35
	407-1	/
	408-1	
	409-1	
	410-1	/
	411-1	
	413-1	P38
	413-2	P38
	414-1	P14-15

	414-2	P14-15
	415-1	
	416-1	P12-13
	416-2	
	417-1	P20
	417-2	
	417-3	
	418-1	