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12
14
16

2023

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GRI

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02

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04

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32

44

72

90

113

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46

78

94

114

41

49

82

100

115

52

83

101

116

55

103

116

57

60

62

66

2015
/ ESG “ ” 2023 ESG

2023 1 1 2023 12 31 “ ”

1 — GRI
2021 2030
SDGs
CASS-ESG 5.0

<https://www.huayou.com>
csr@huayou.com





2023





663.04

33.51

5

22

13

48

5,375

869

30,017

4.6

26,046.3

CDP B

34%

4

4

820,000

100%

2,000

14.41

4,689

12

2

52

29

23

8

12

4

15,140

100%

100%

100%

1.81

100%

0

1,069.06

2022

2023

2024

2025

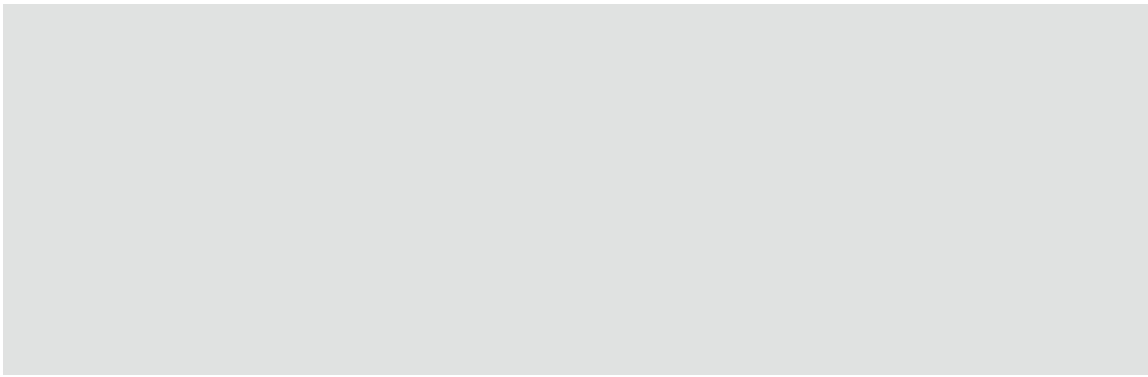
2026

2027

2028

2029

2030



380

2023
50%-70%

9%
2+ 8.7 3 5% 1.5 1+

ESG

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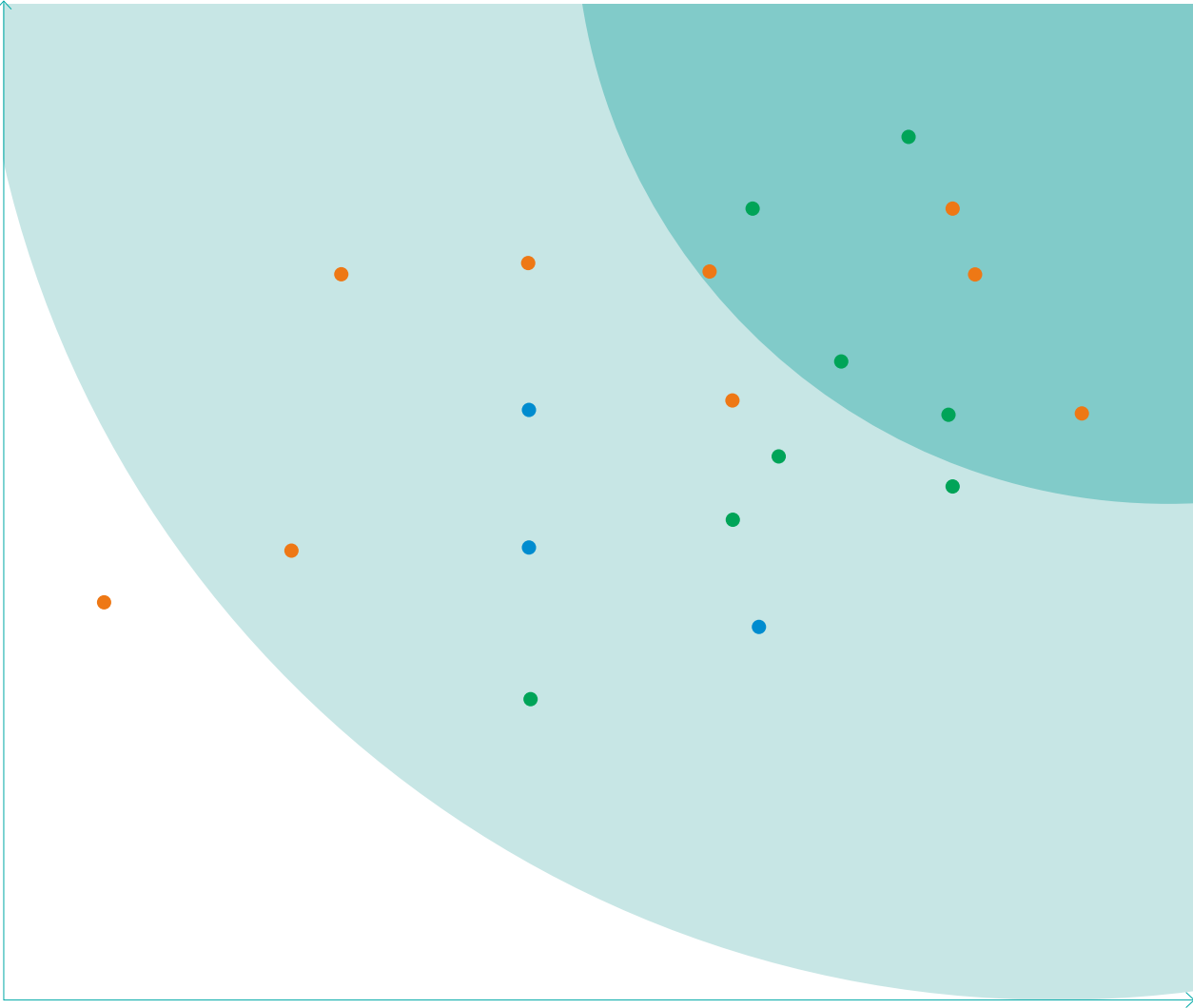
SDGs GRI

ESG

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8





01

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0 0 1

1

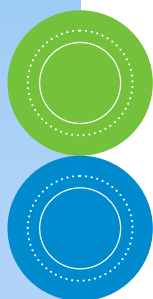
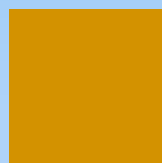
6

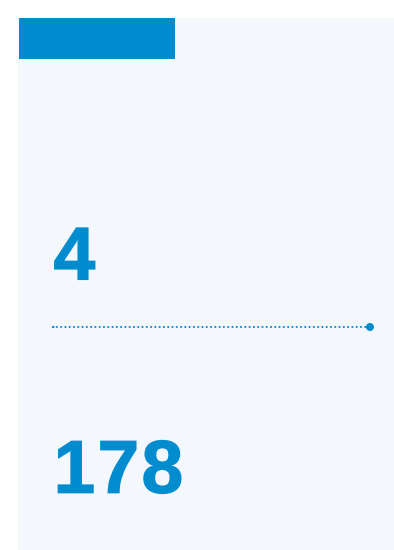
8

8 4

7 3

37





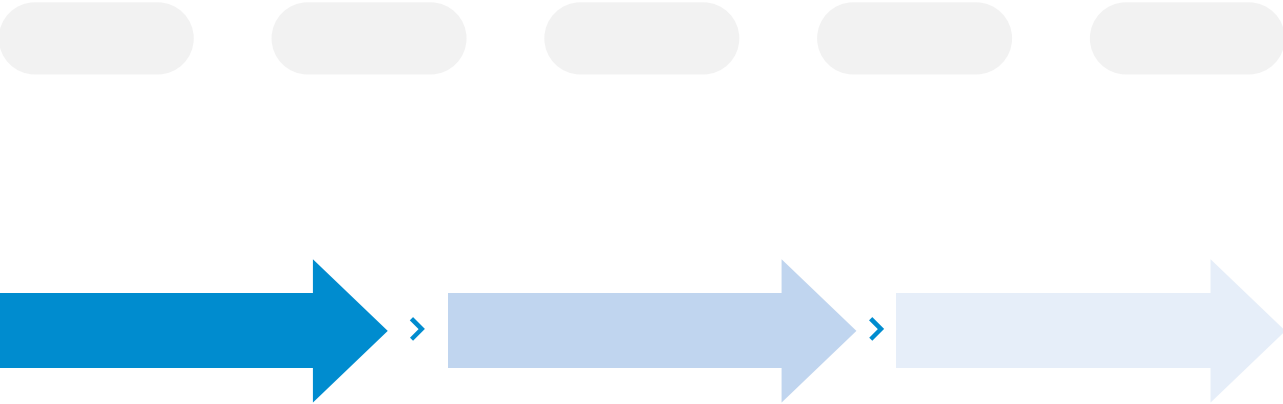
2023

13

3

3

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2023 7

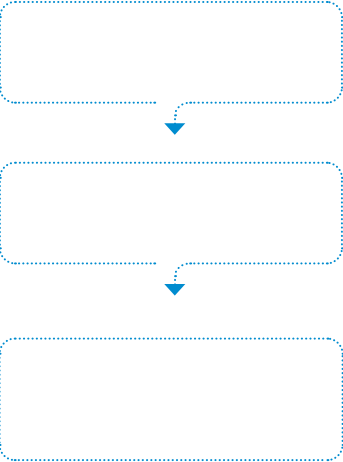


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ESG

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² ESG <https://www.huayou.com/Public/Uploads/ueditor/upload/file/20240109/1704789121639211.pdf>



48

5,375

2023

48

5,375

LED

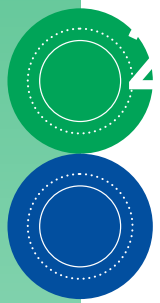
2023

869

30,017

20238

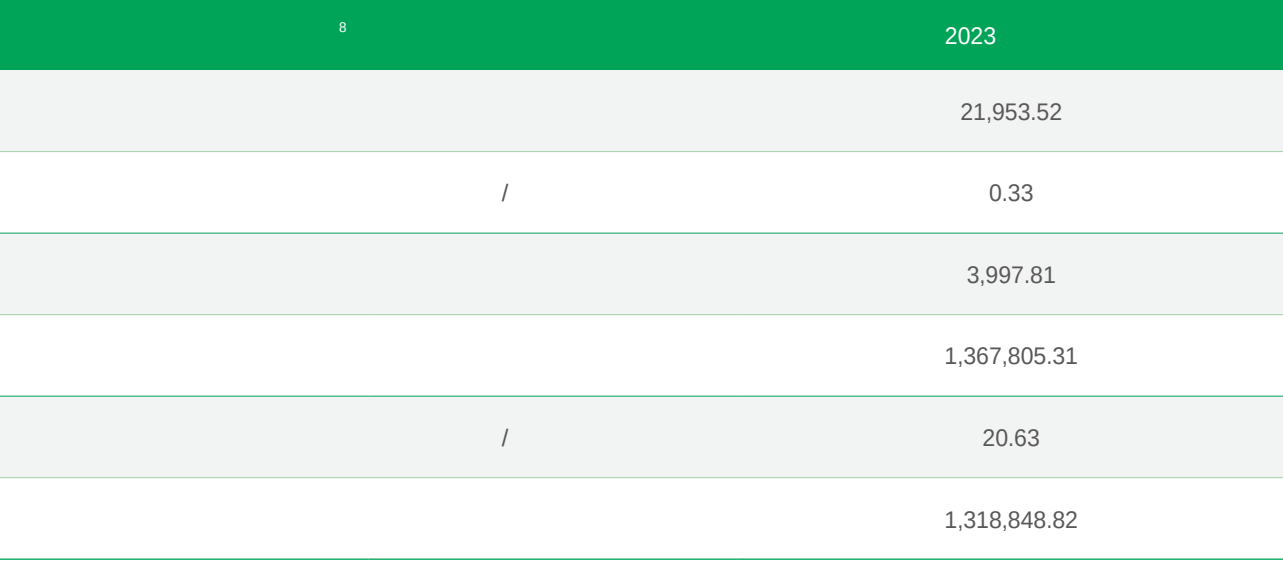
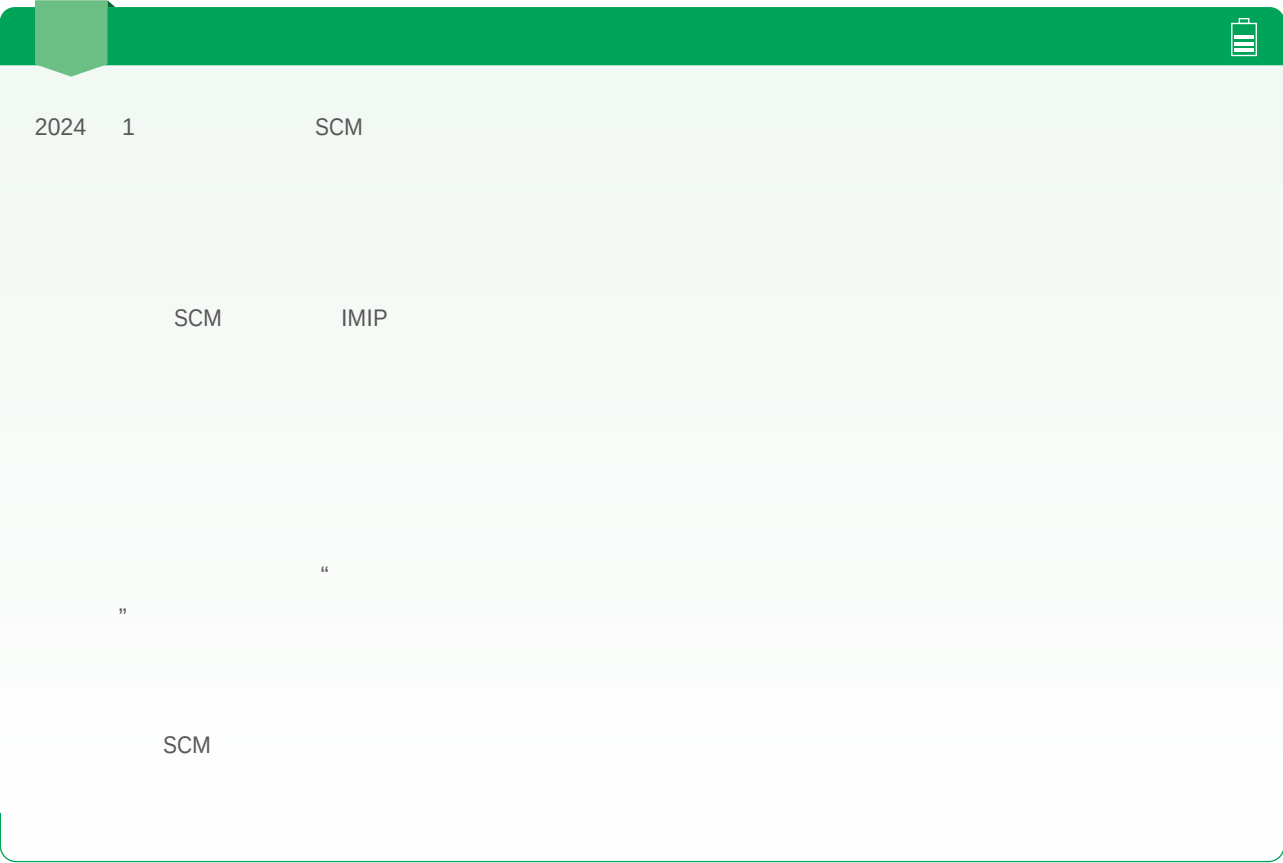
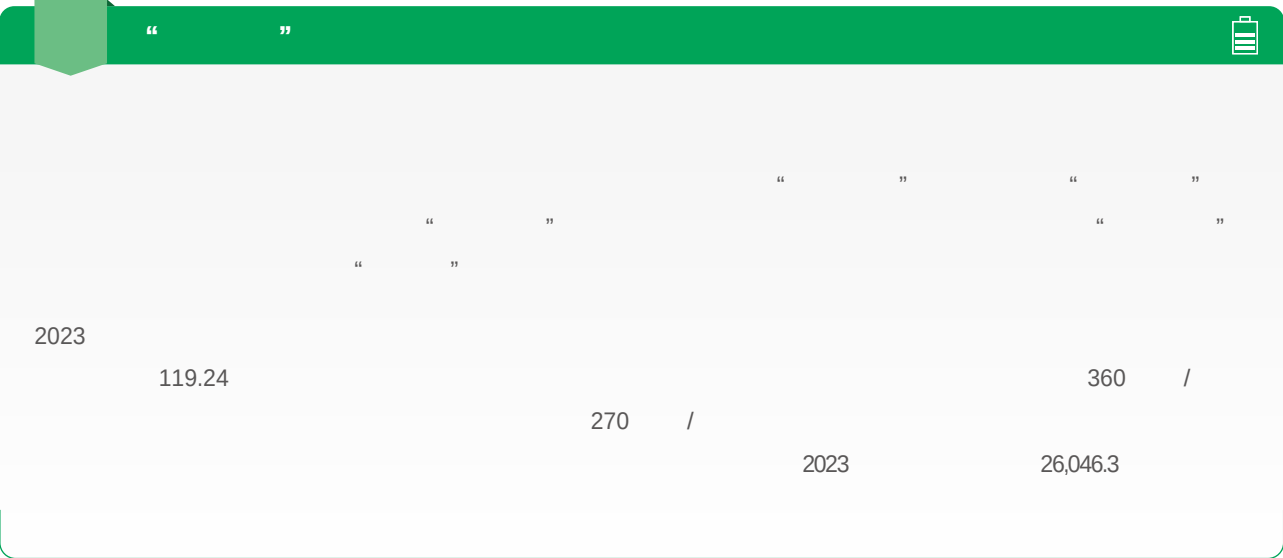
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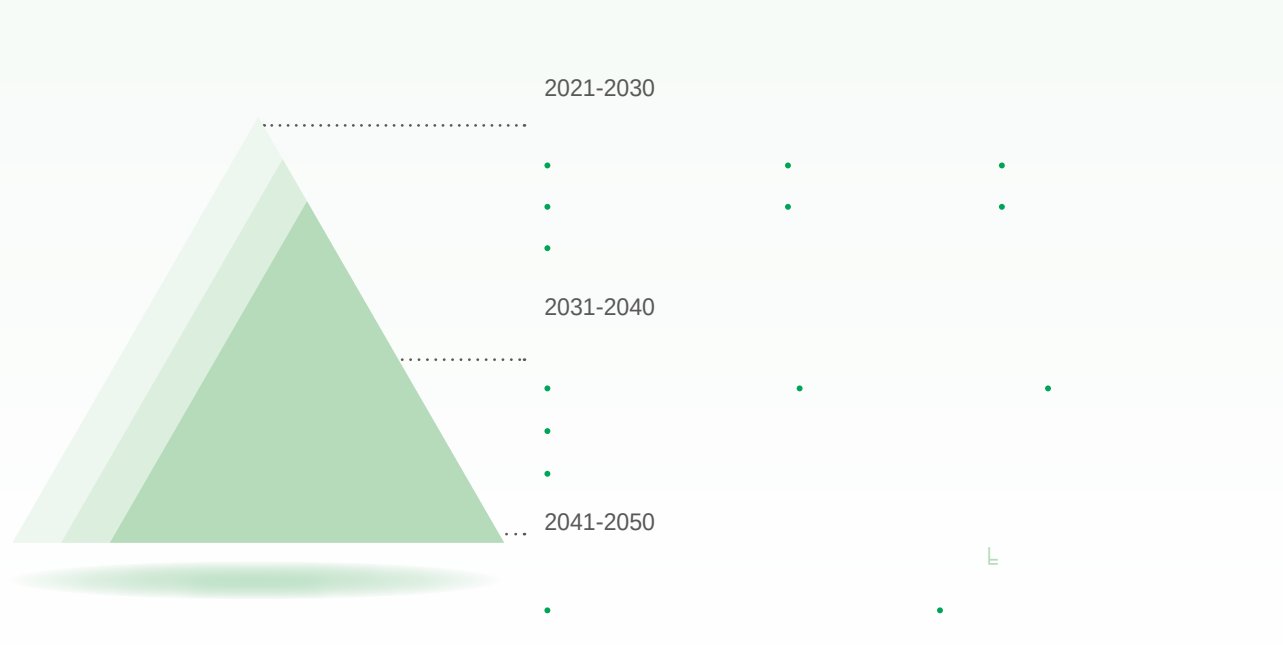


3	2023
	34,613,021.17
/	522.04
4	39,748,463.56
%	53.45

3
4







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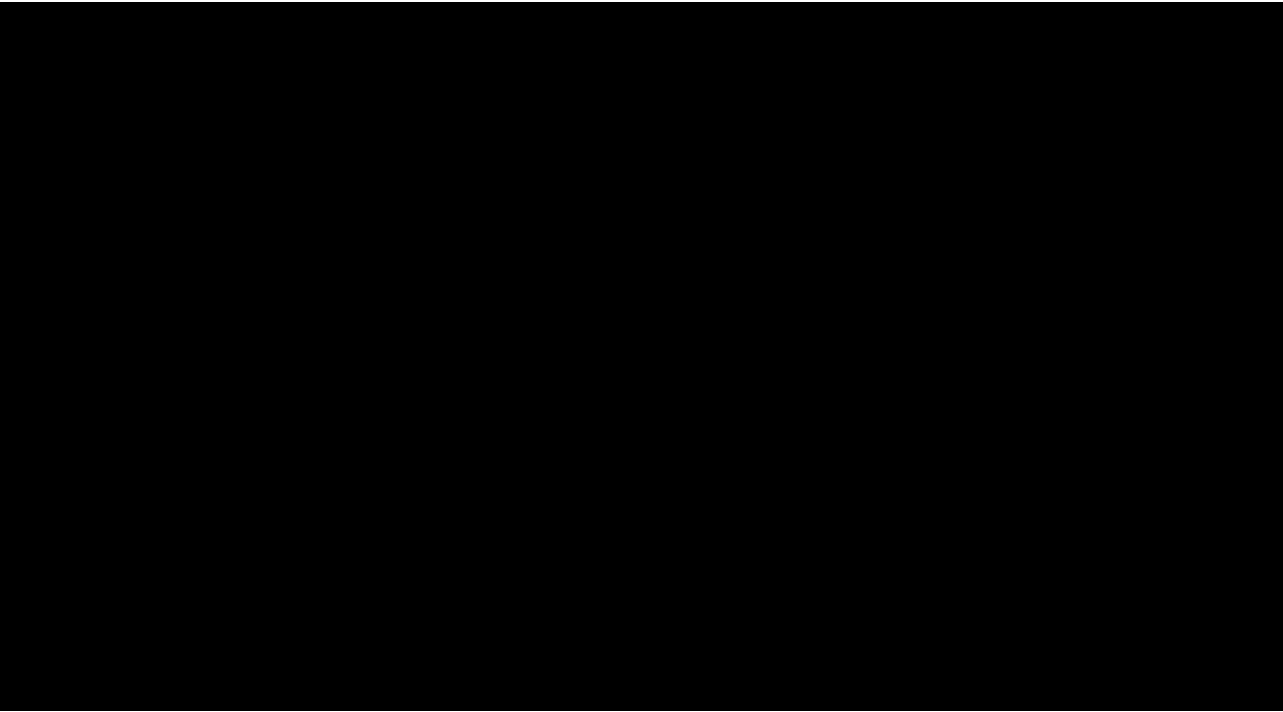
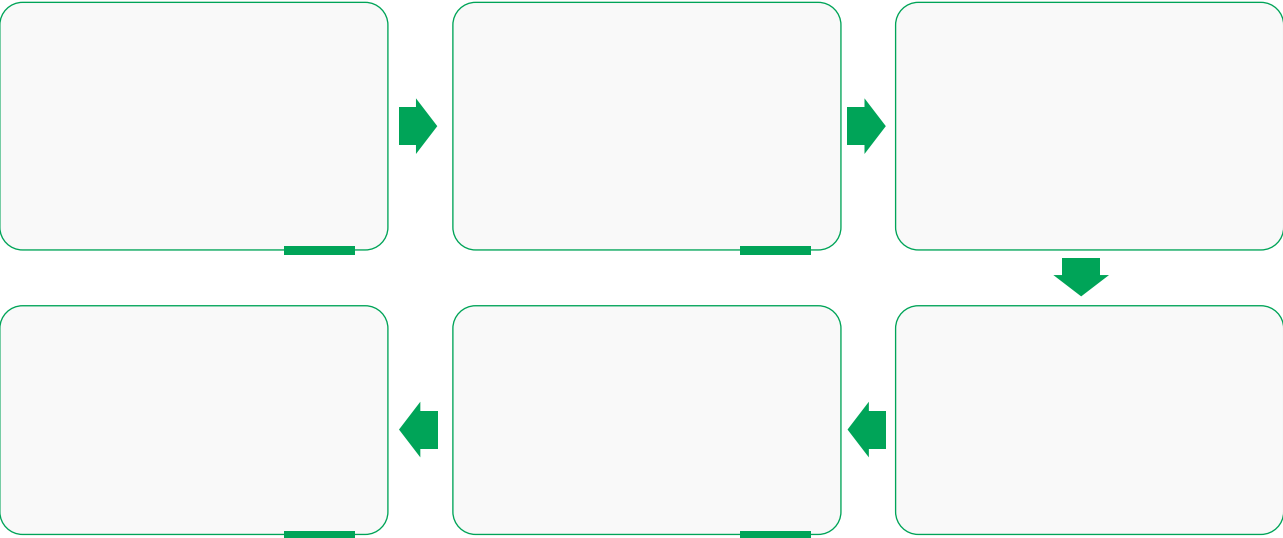
×

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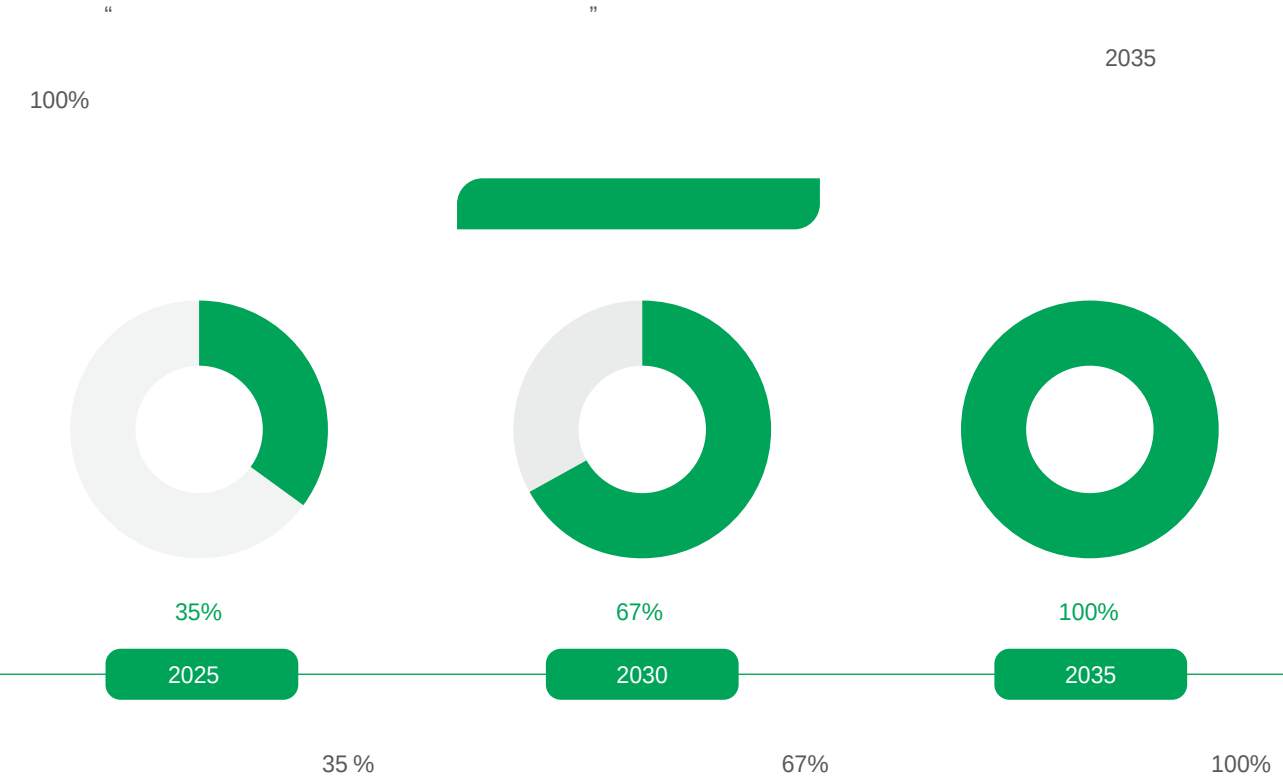
⌈

⌋

	“ ”



	117,139.60
	266,810.97
	53,149,280.80
	151,339.45
	1,985,222.22
	243,983.81
	11.90
-	2.27
	825,814.17



2,270MWh

6MW

2023

7,900MWh

1.9MW

2024 1

4,505

CDM MIKAS

820,000MWh 2023

2023

62.5

34%

625,000MWh

1MW/2MWh

2023

2024

ISO 50001



ISO 50001

“ ”

ESIA

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KNI
Kolaka Regency Pomalaa
2023 1 KNI

CSR
2023 9 IMIP Gondrong Morowali

1,100 11

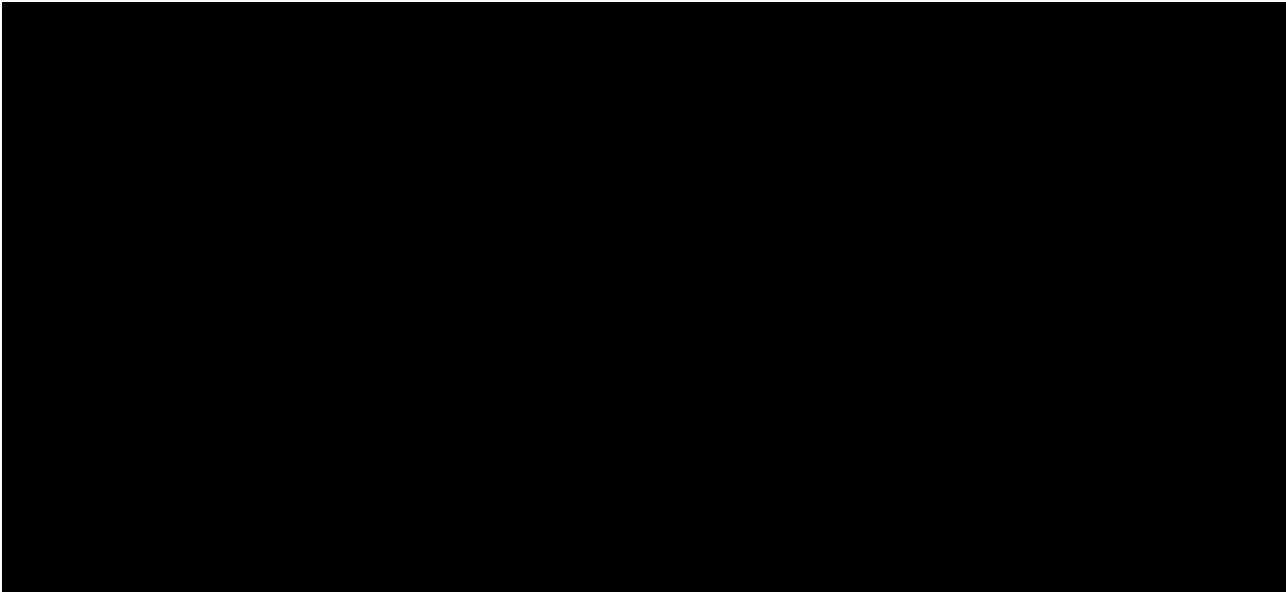
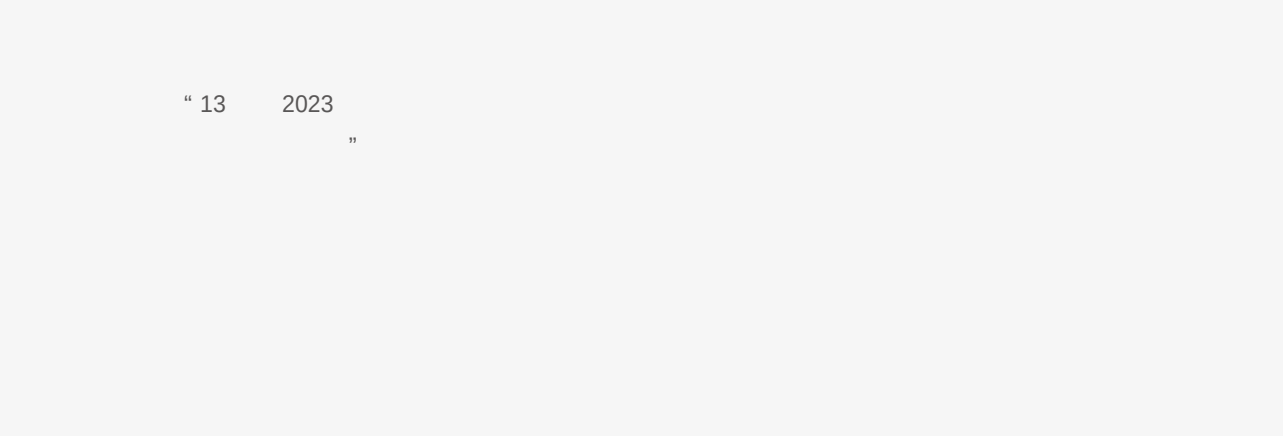
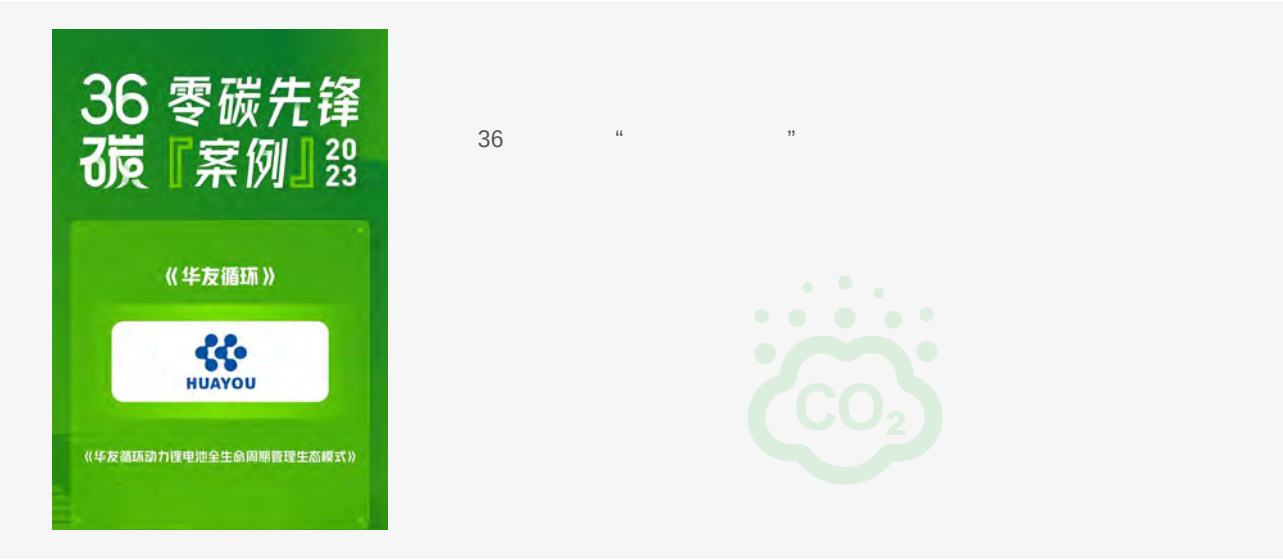
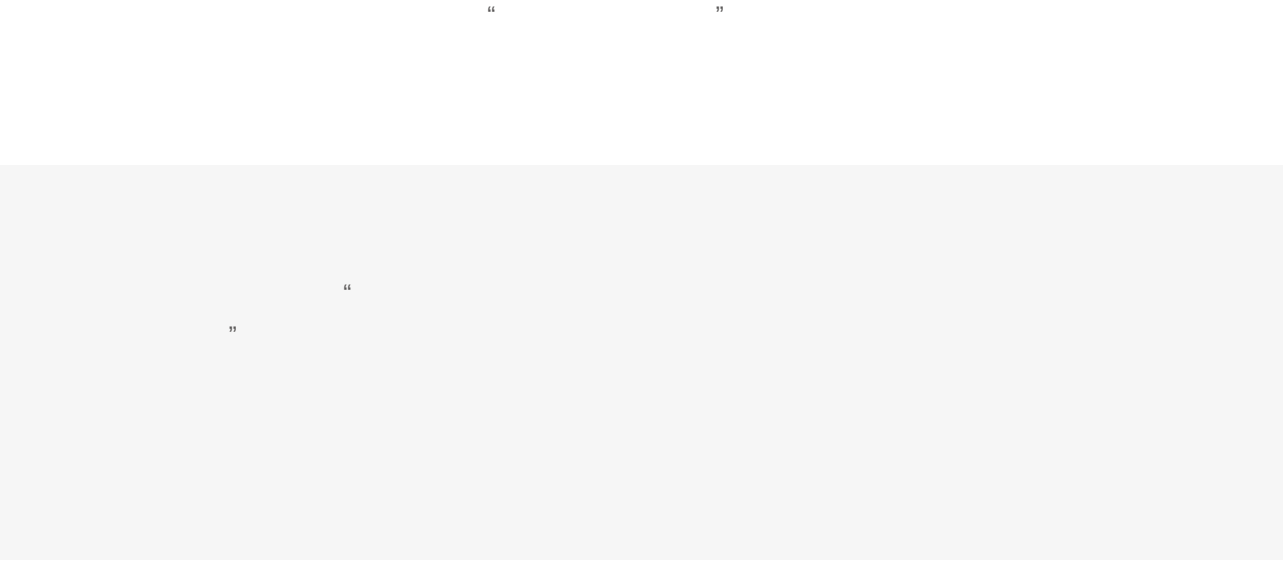
2023 1 1.5
27 116

ESG

HPAL

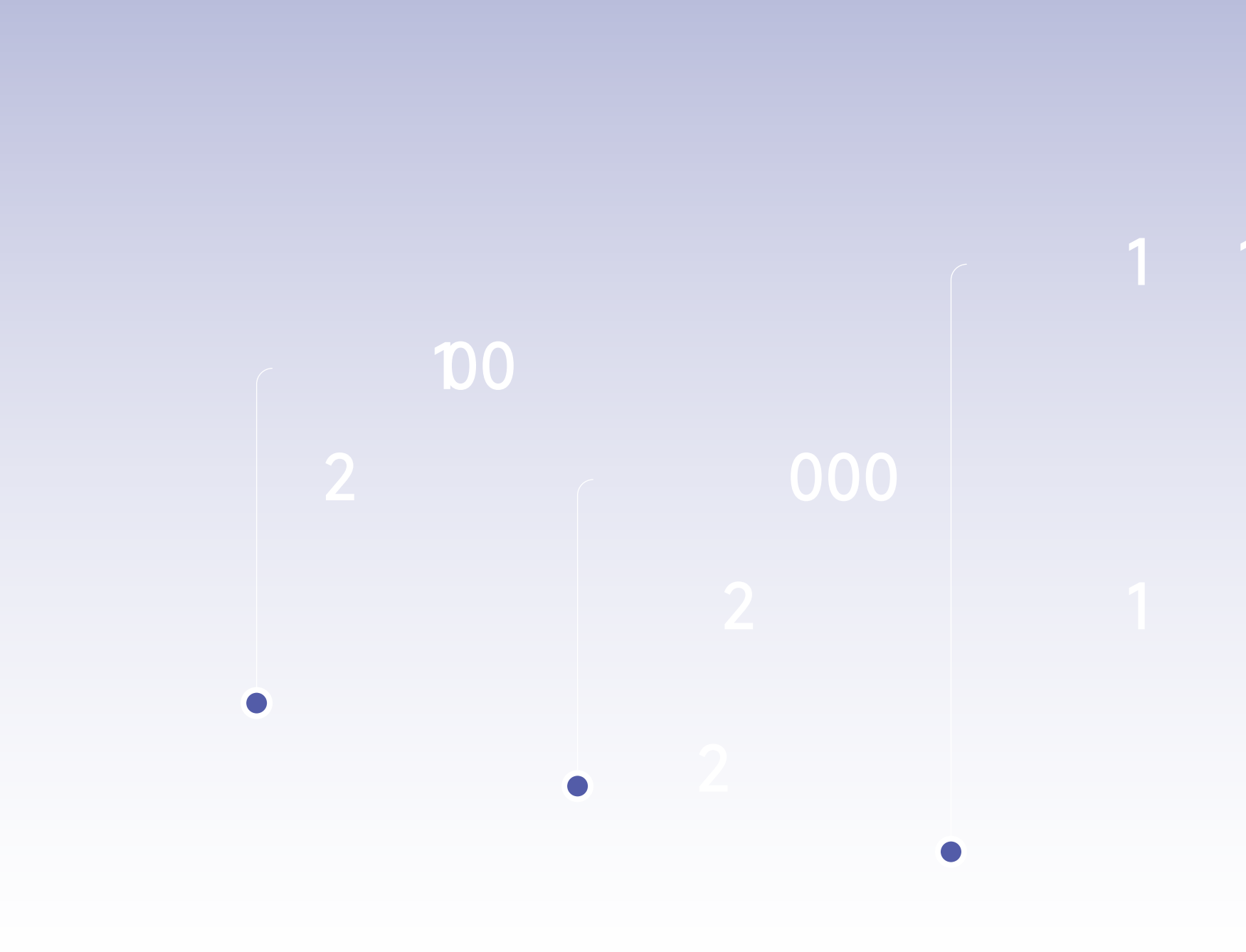
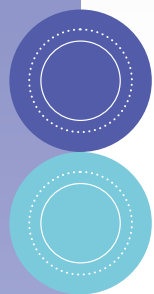


CE





03



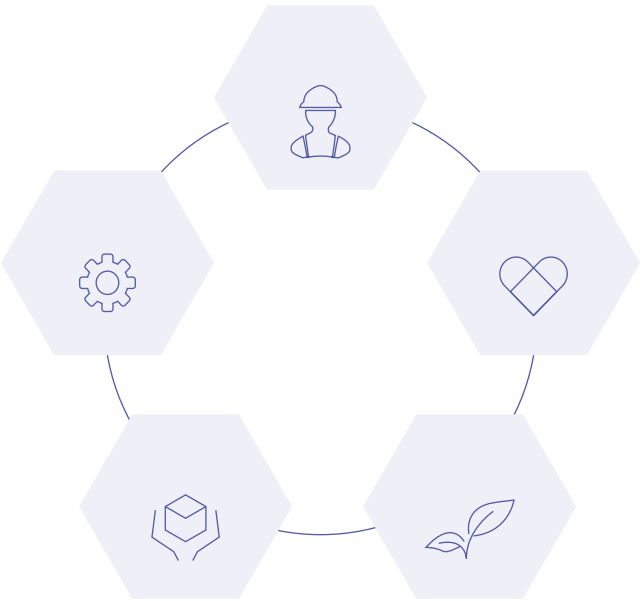
2,771

73

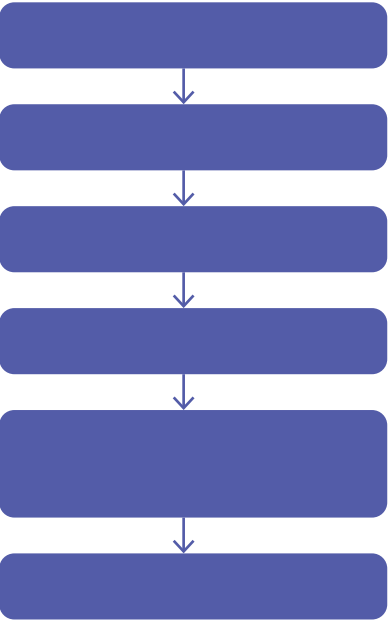
695

1,800

100%



“ ESG ”



“ ”



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2023 4

“ ”

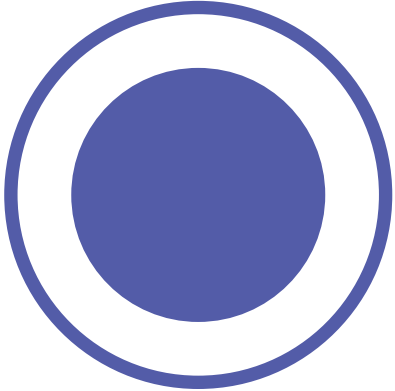
OECD 2023

”

ESG

01 2024 TOP50

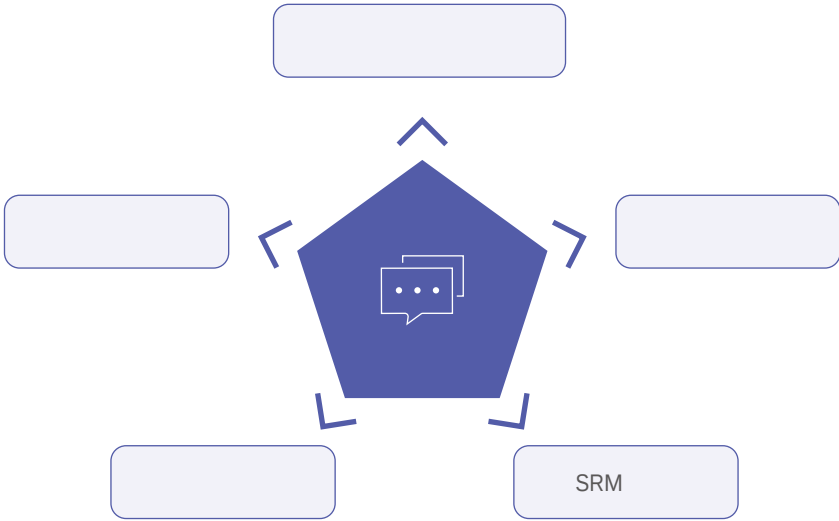
02 2026 2027



03 2030 2040 50% 80% 2040 2050 04

60% 11 24 “ ” “ . ” 100 200

2023 2,000



288.54

14.41

4,689

12

2

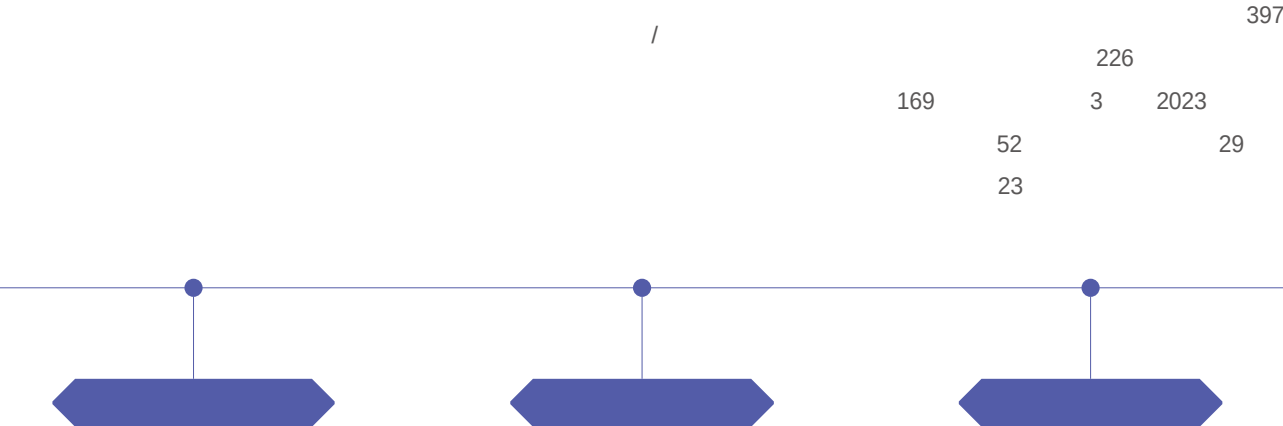
“ ”
“ ”
2023 “ ”

2023 -2025

“ ”

IPD 330

“ ”
“ ”



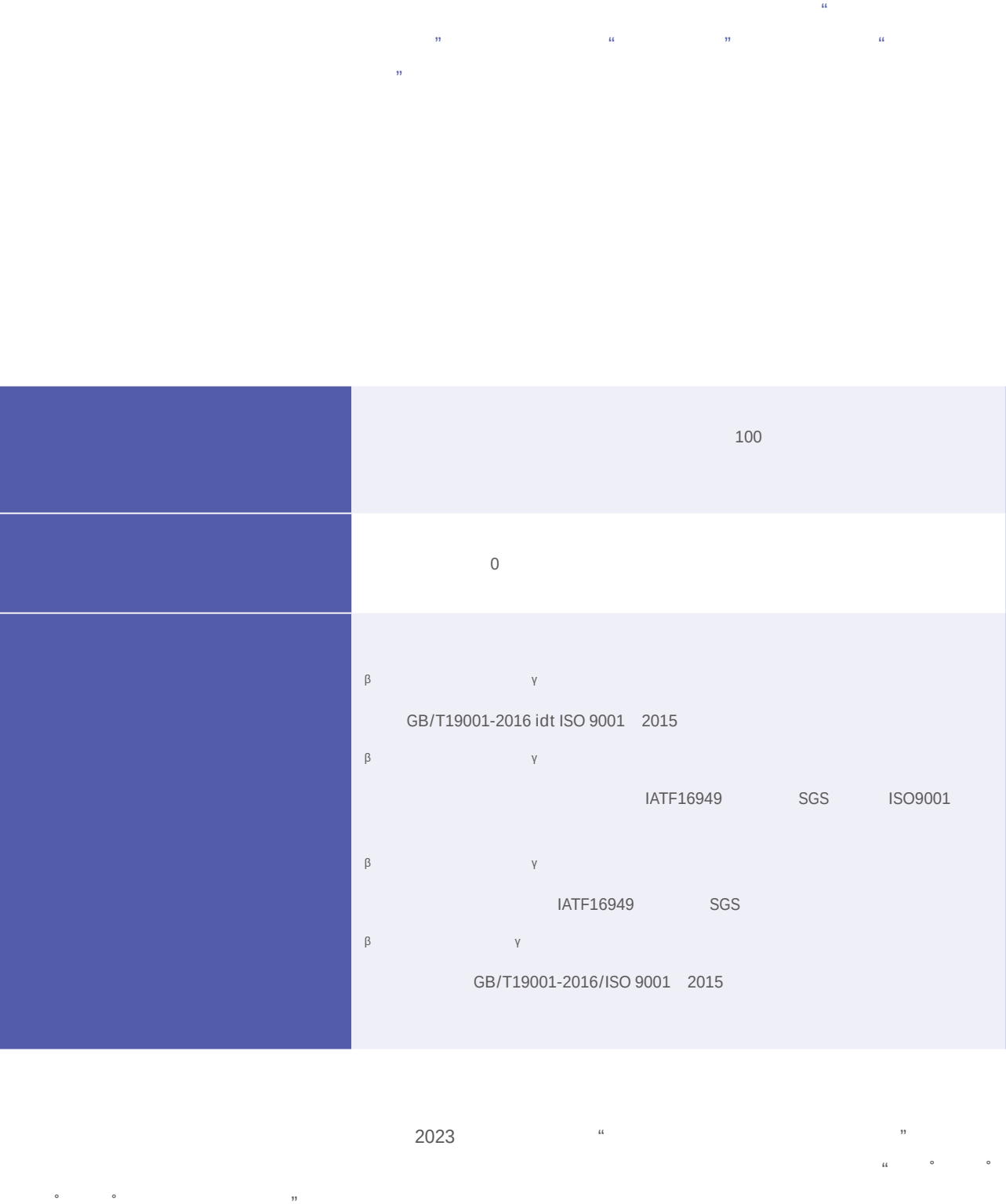
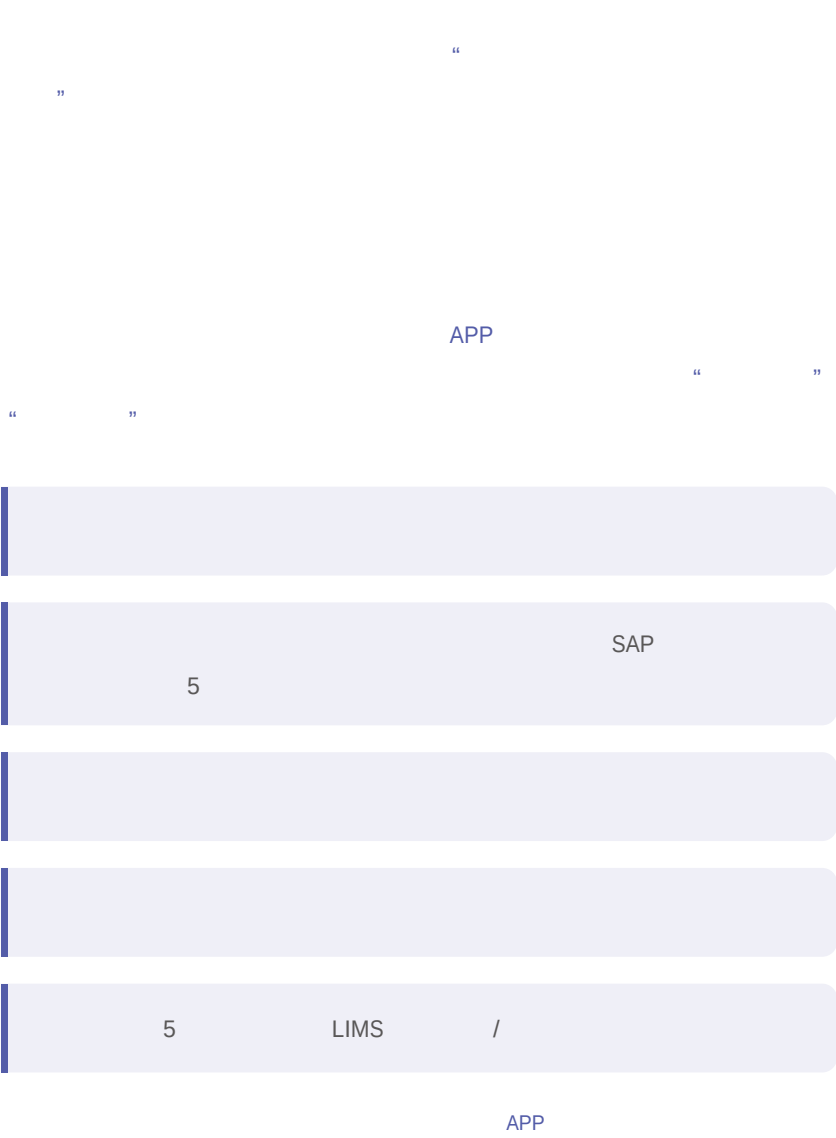
52

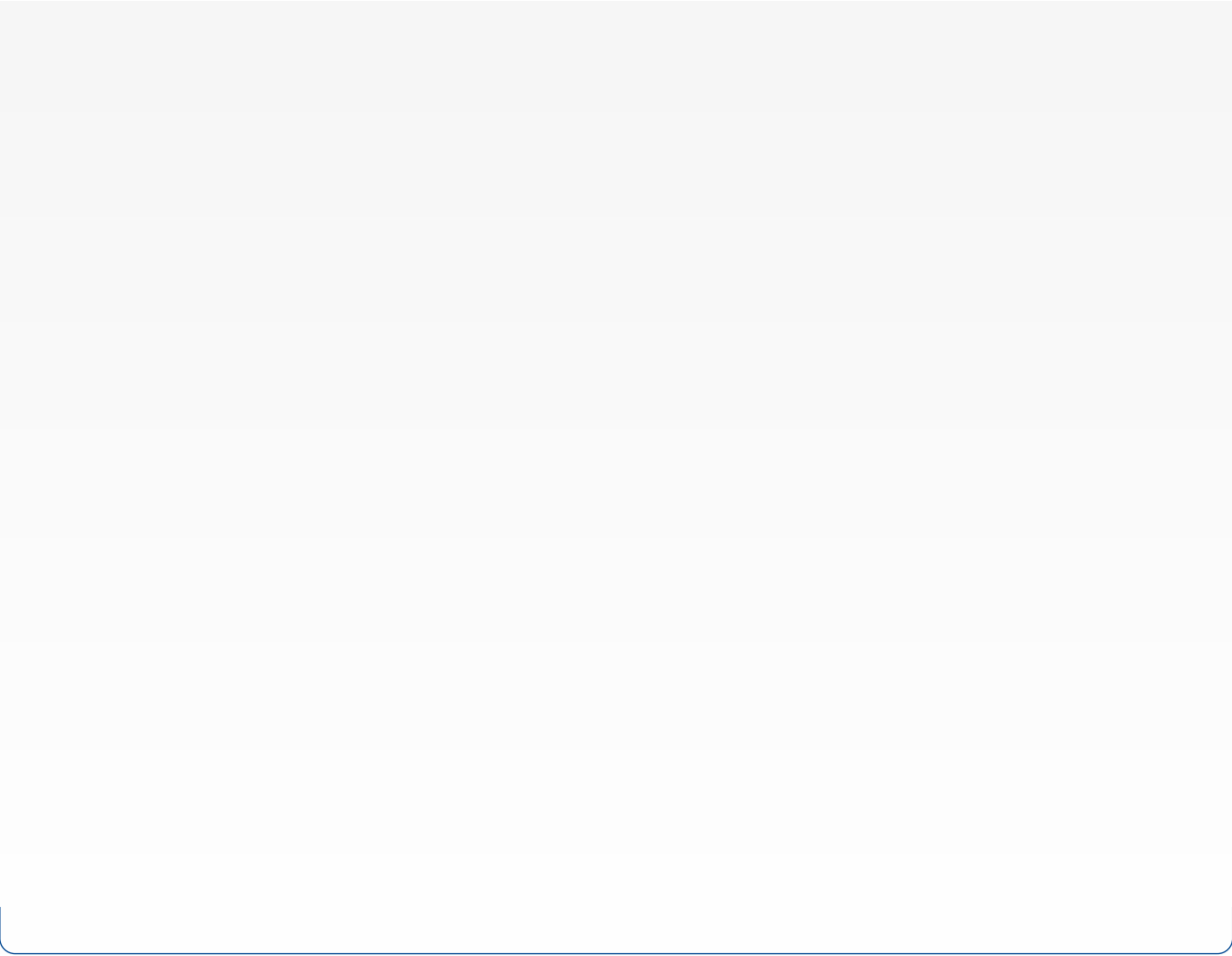
29

23



HOPPECKE





2023

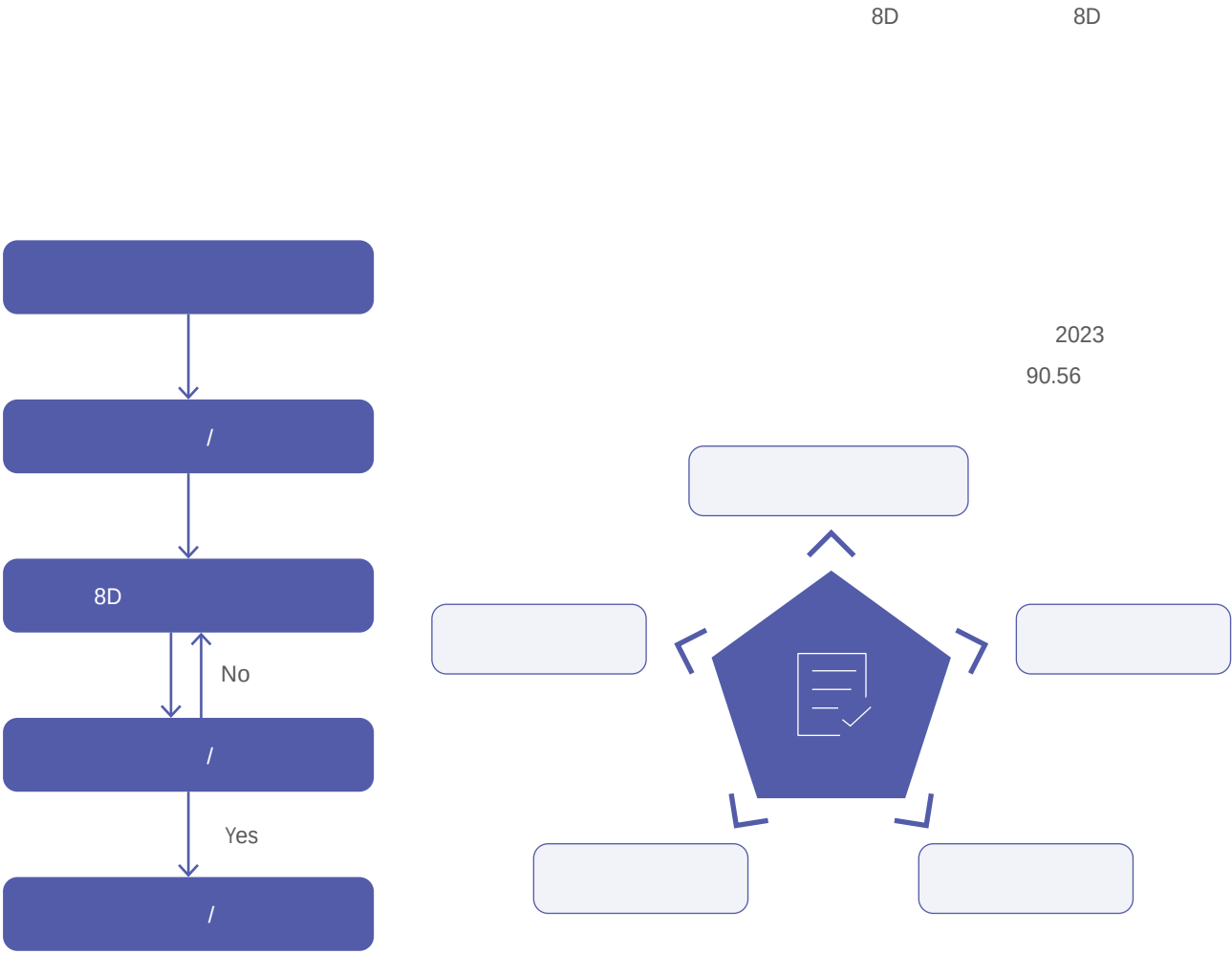
10

7

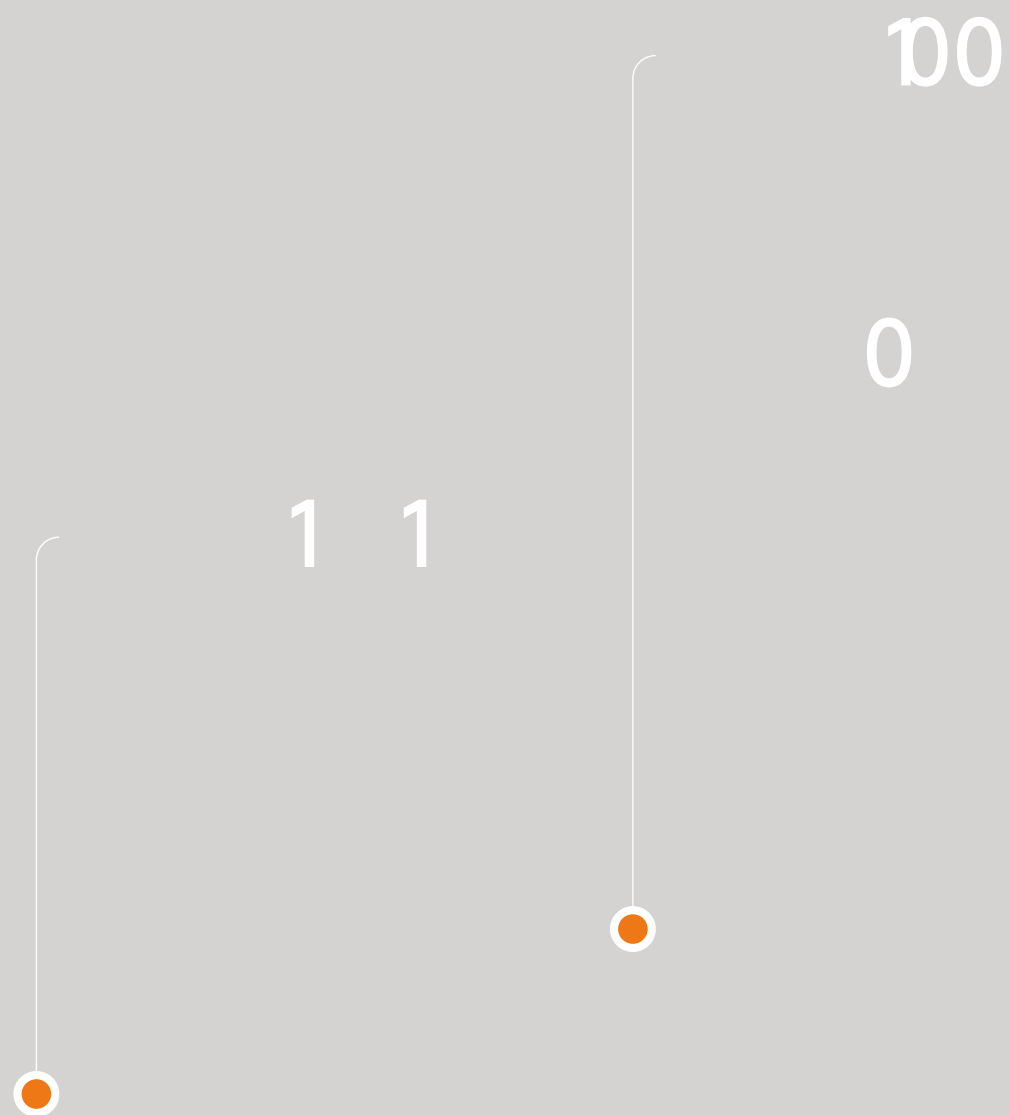
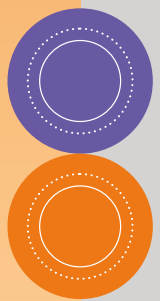


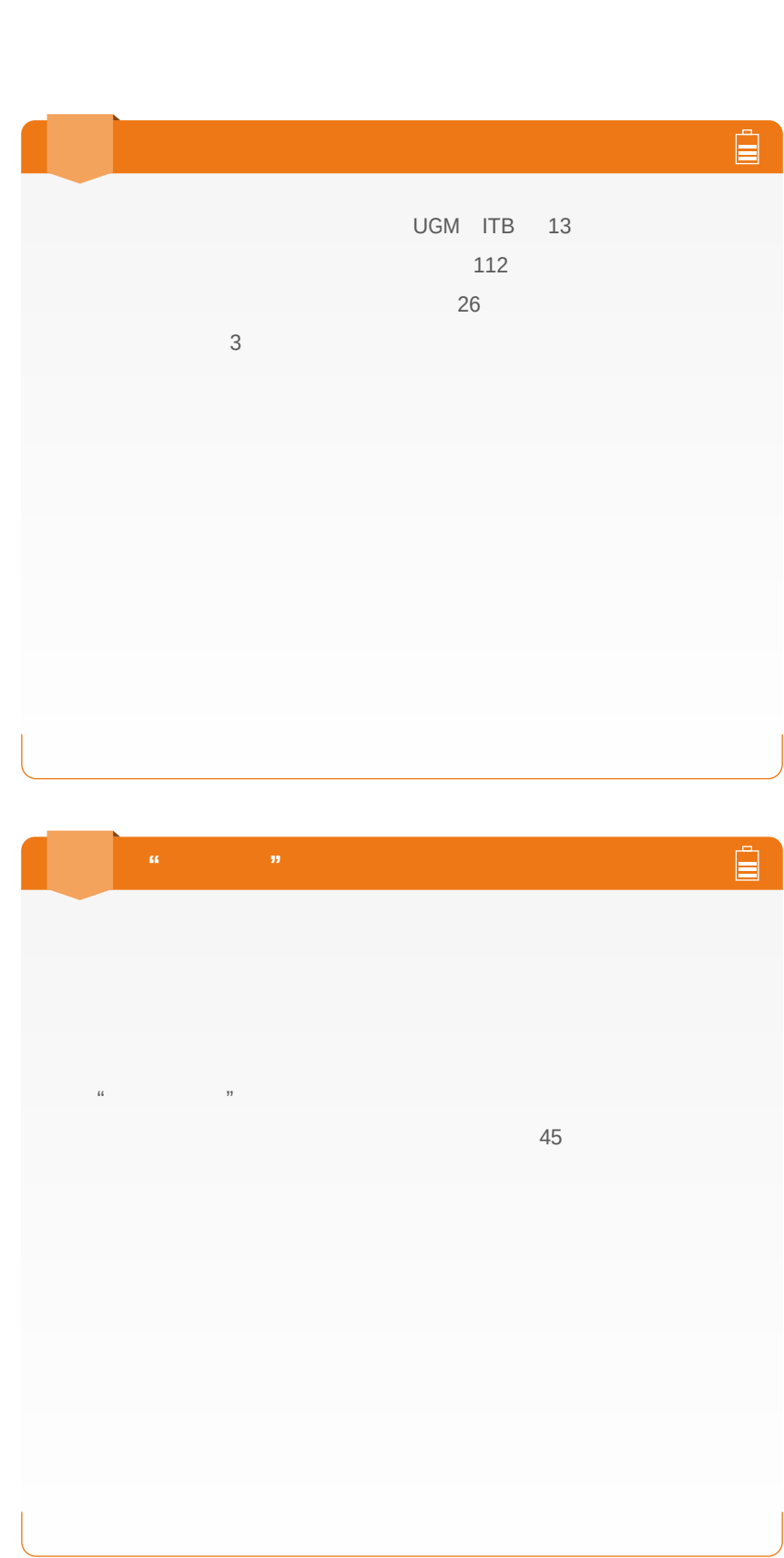
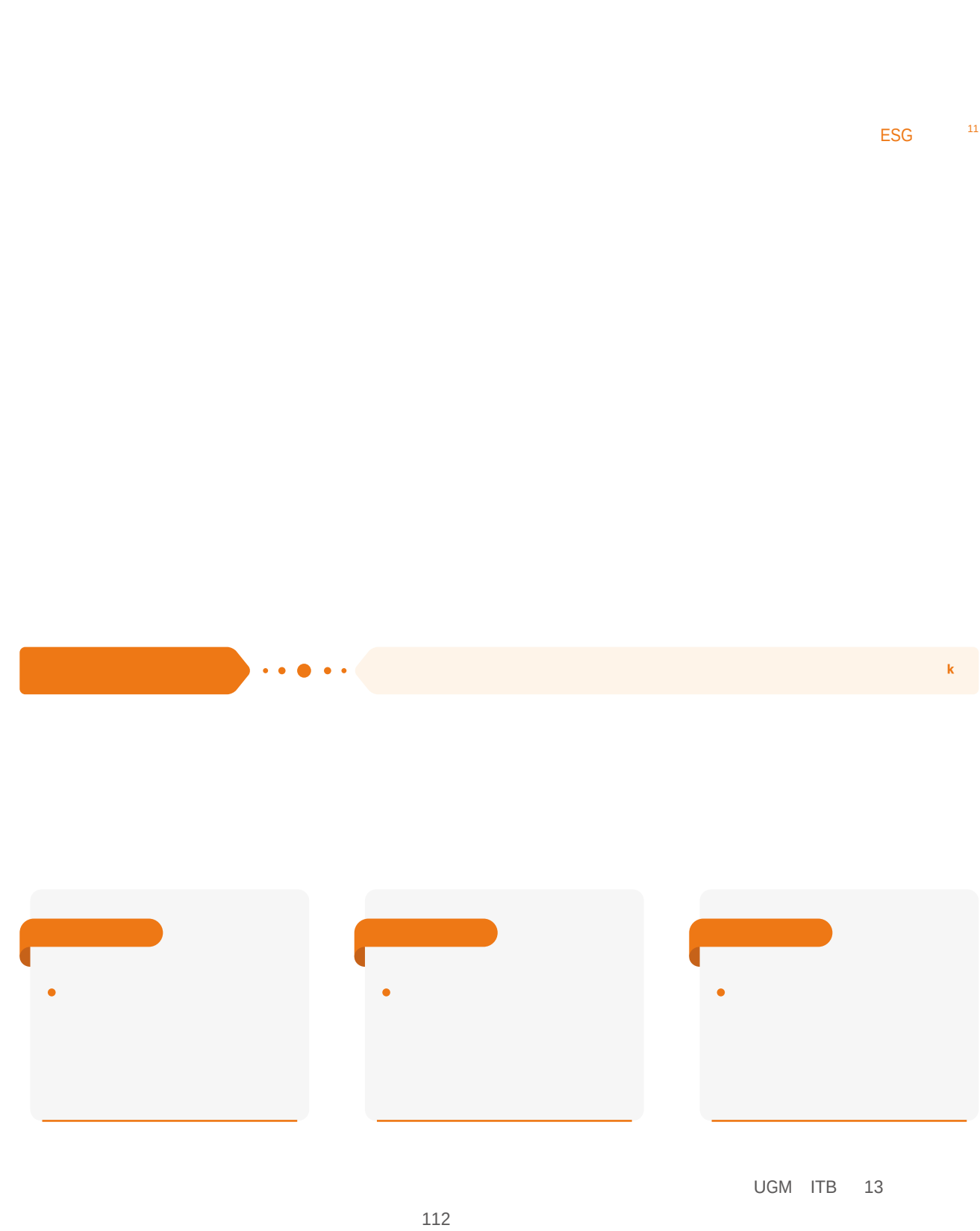
2023

11



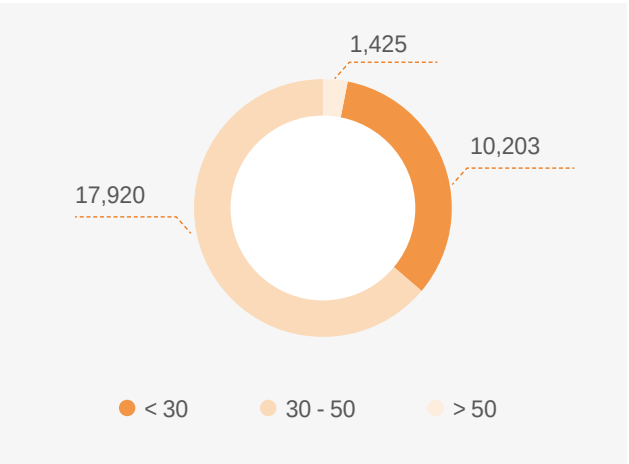
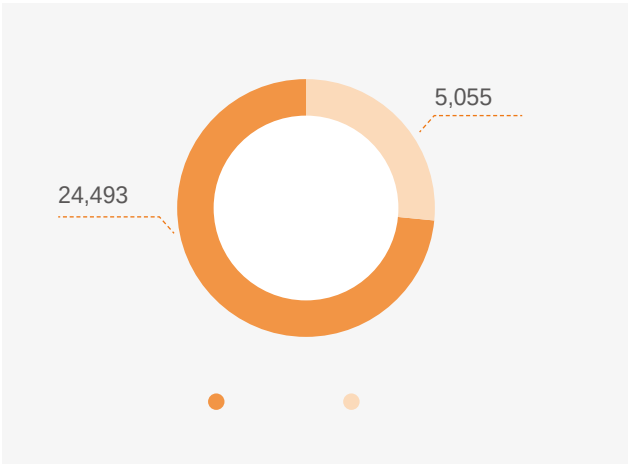
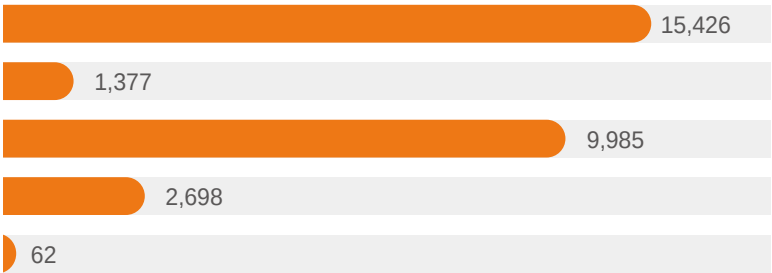
04 以人为本 员工共振





29,548 ¹³

2023



2023

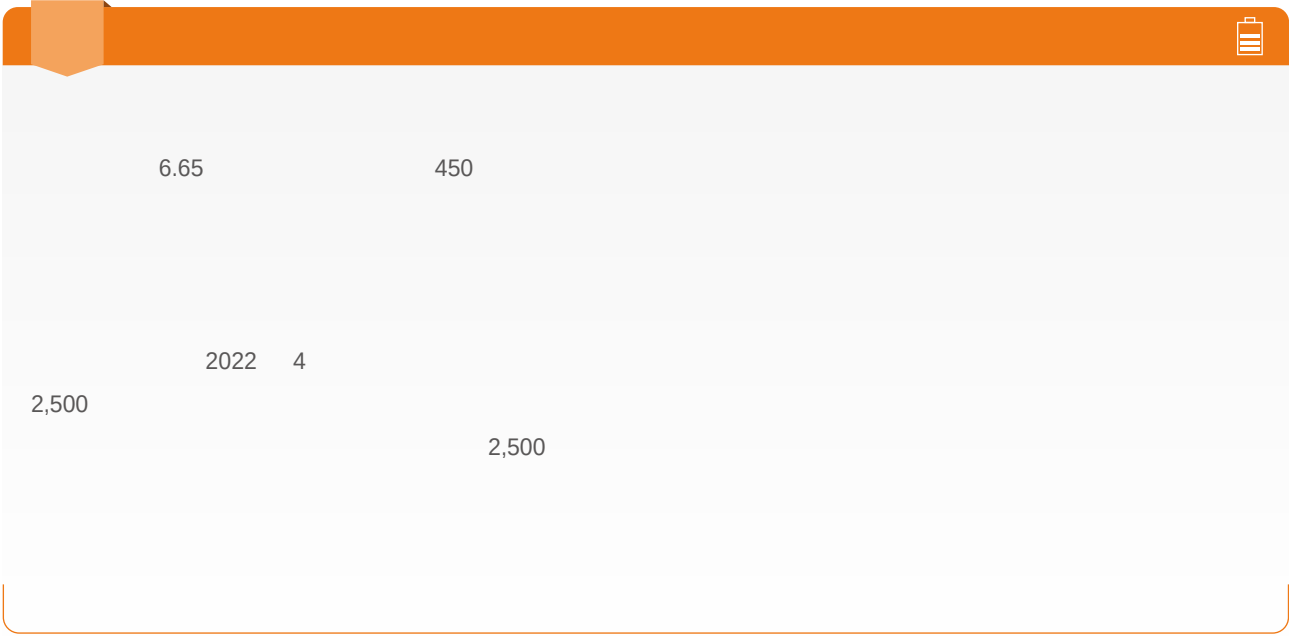
2023

99.76 %

82.36 %

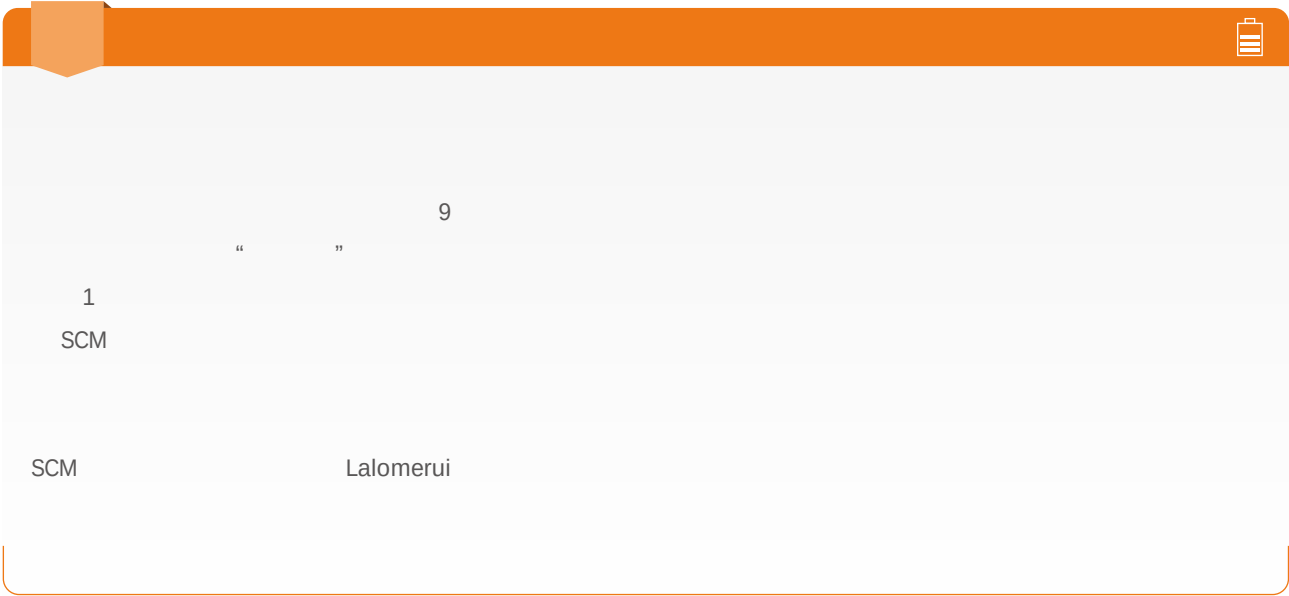
85.33 %

82.13 %



10,255

1,444











2023 3 10 -12

27

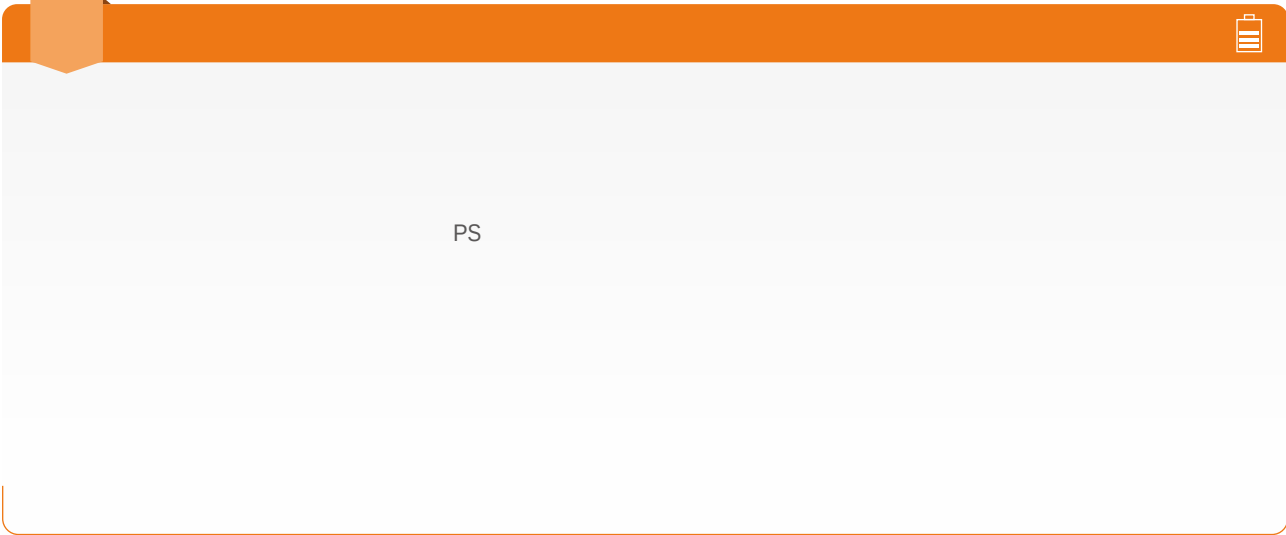
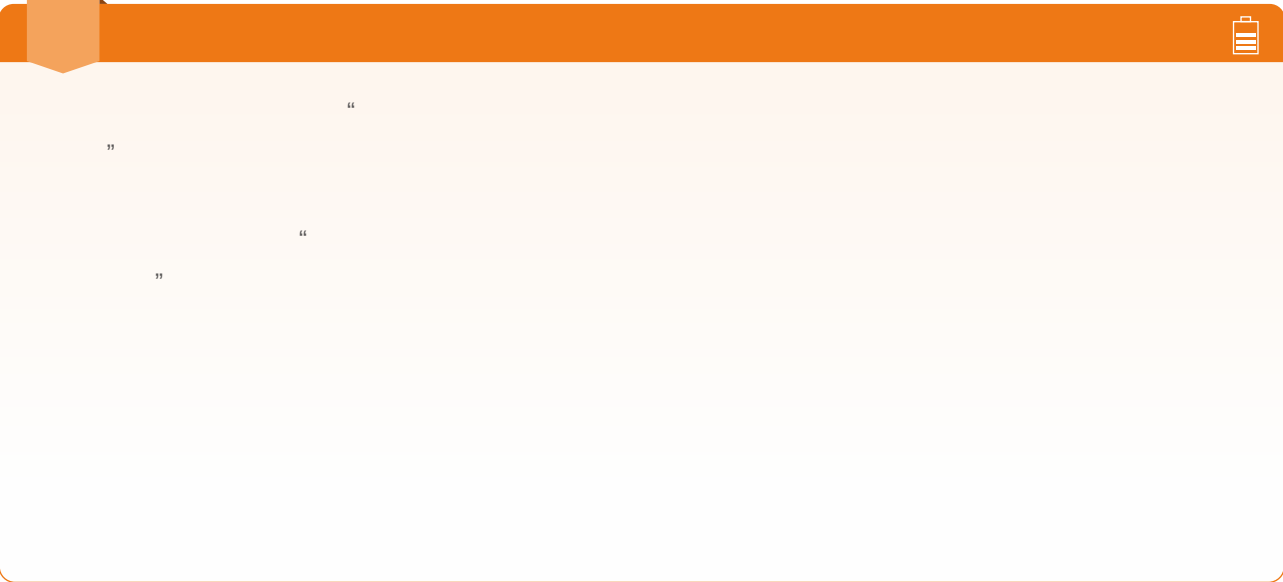
6









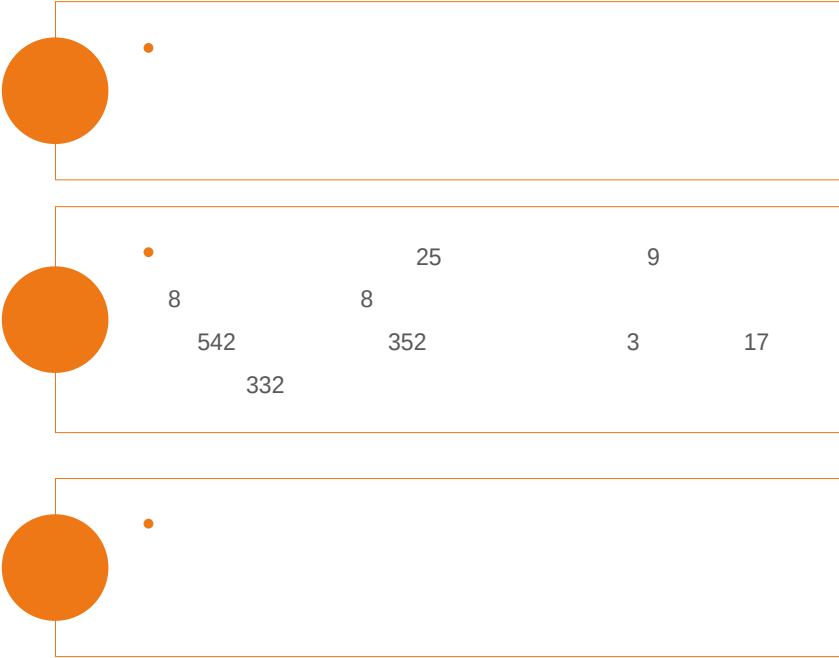


477.57

959,373.2

31.44

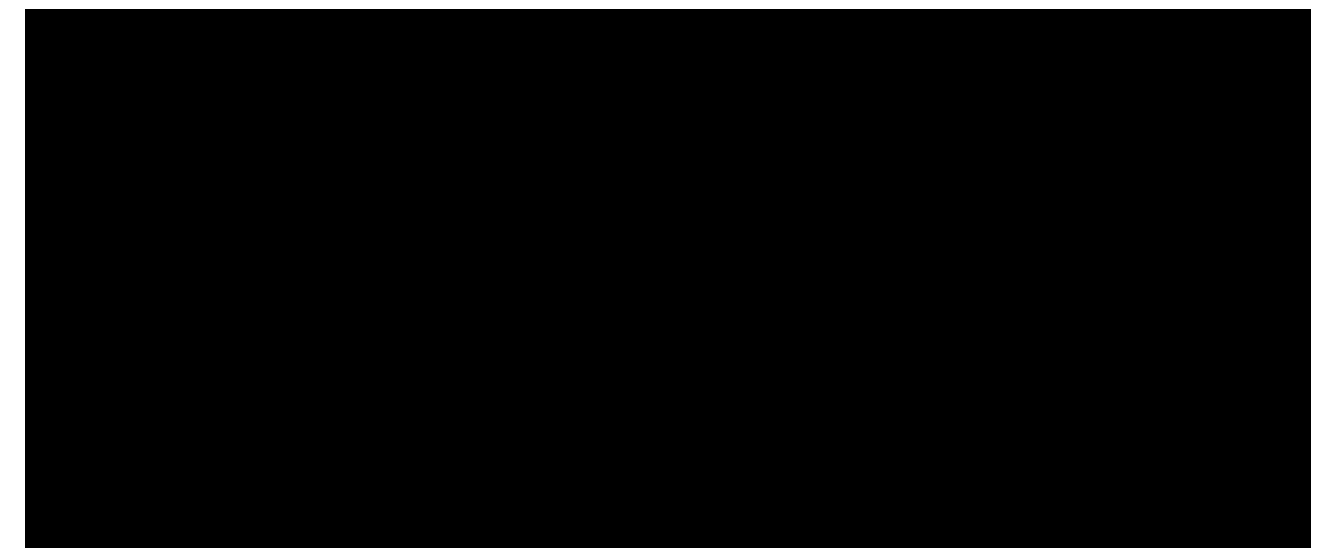
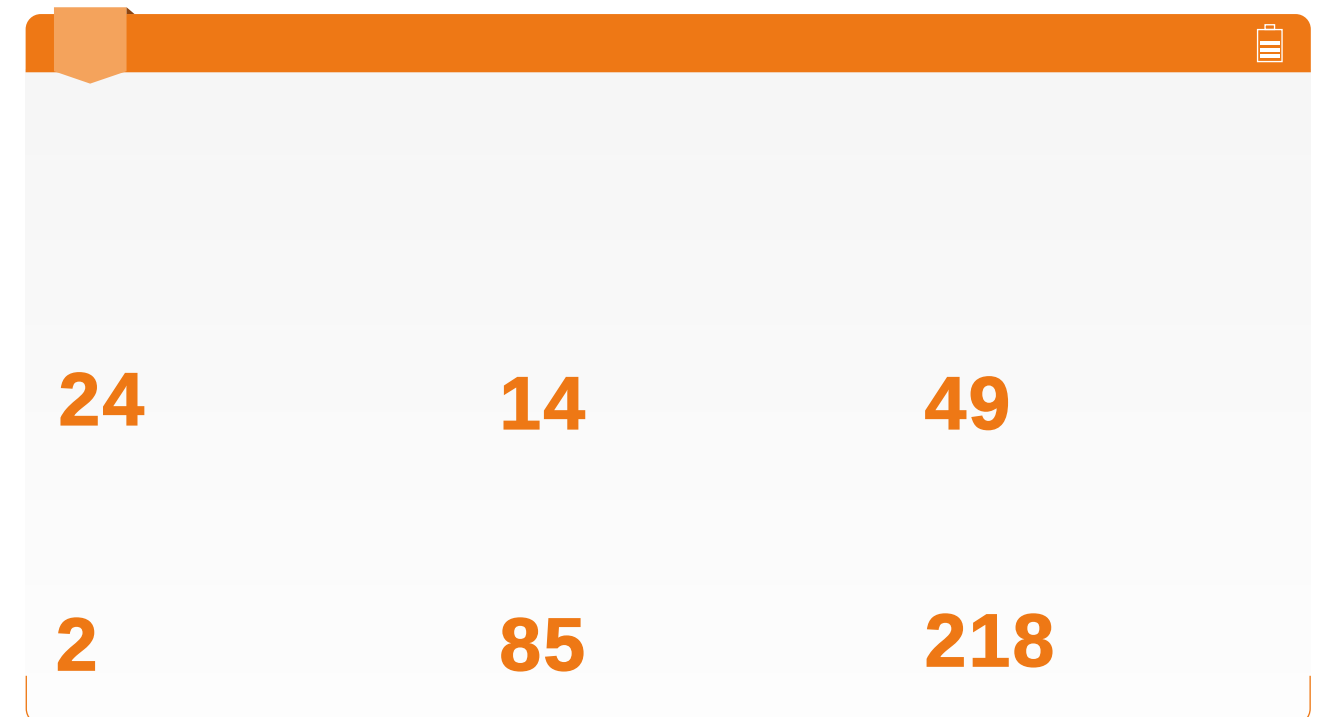
100%

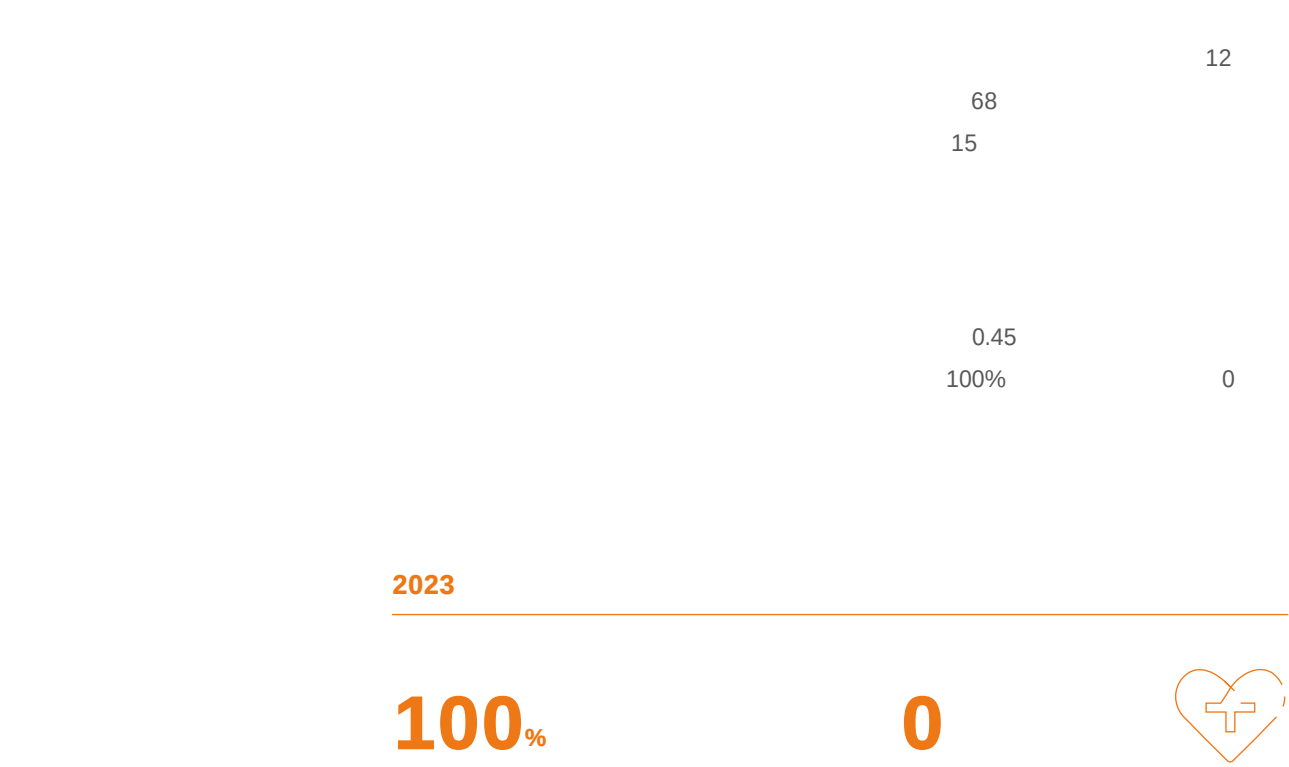
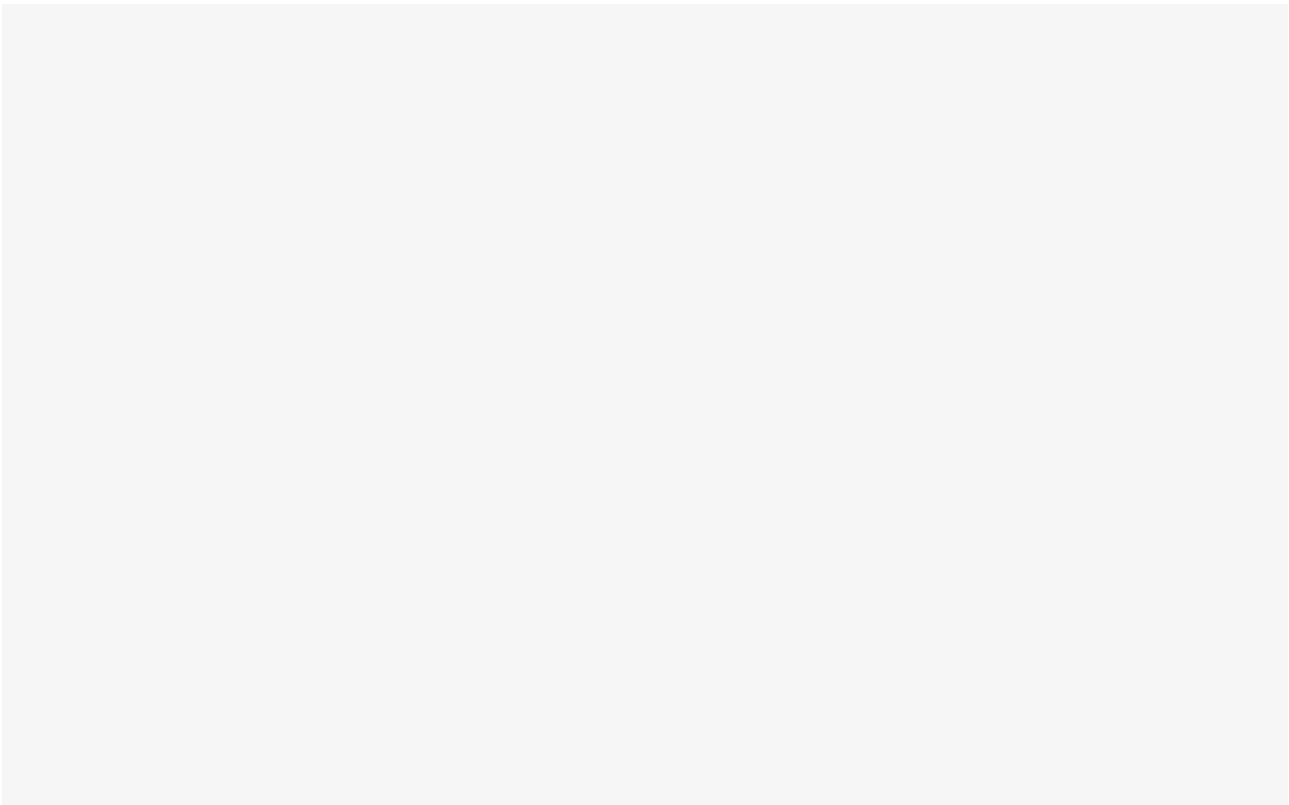
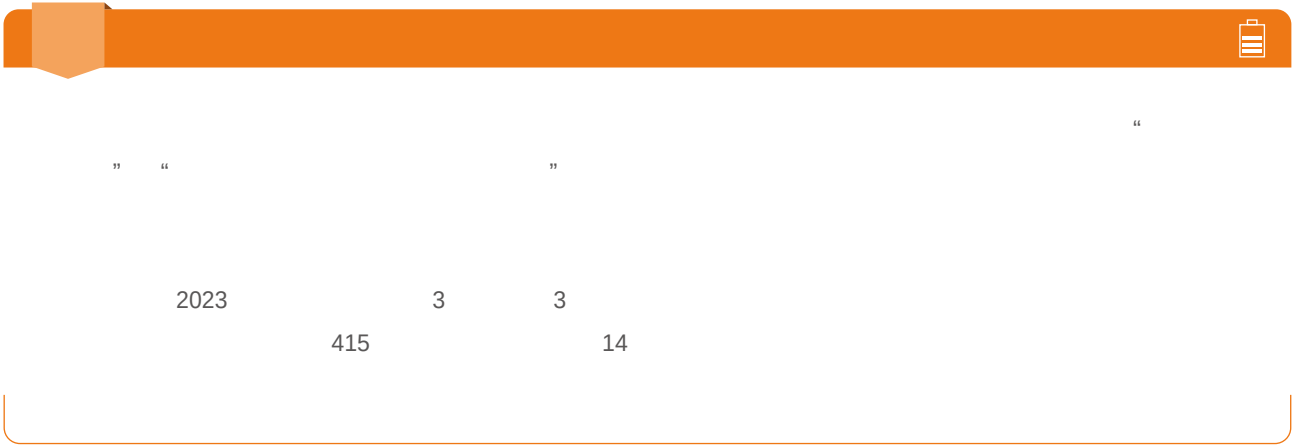
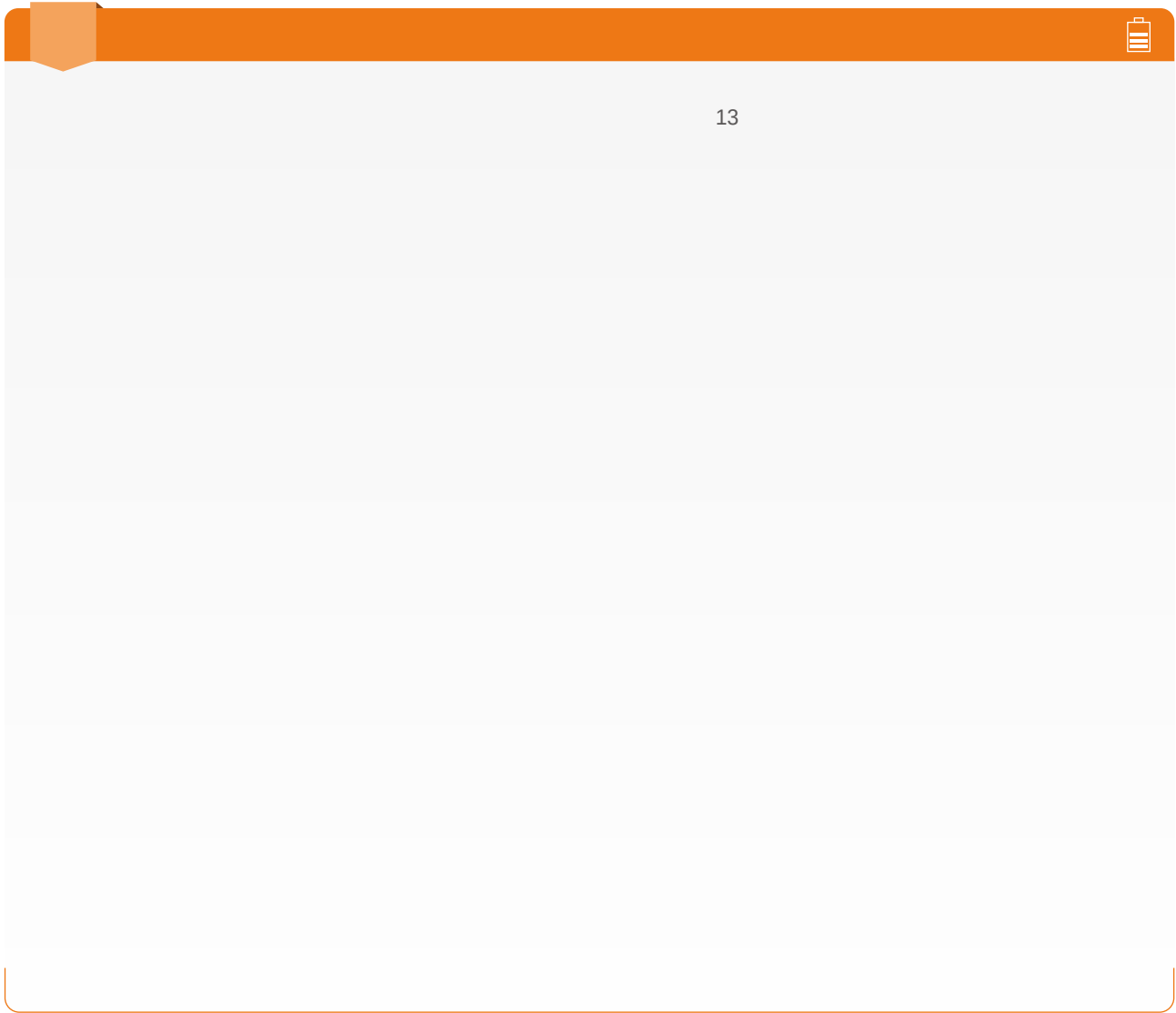


&	• 2023		/
	•	/	
	• 2023	62	232

•		
		7
•	2023	/
•	2023	6,049
		5,505



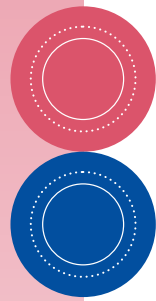




05

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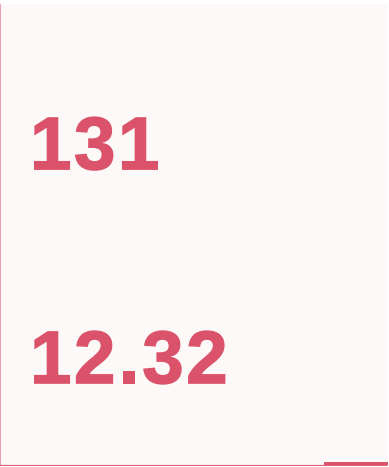
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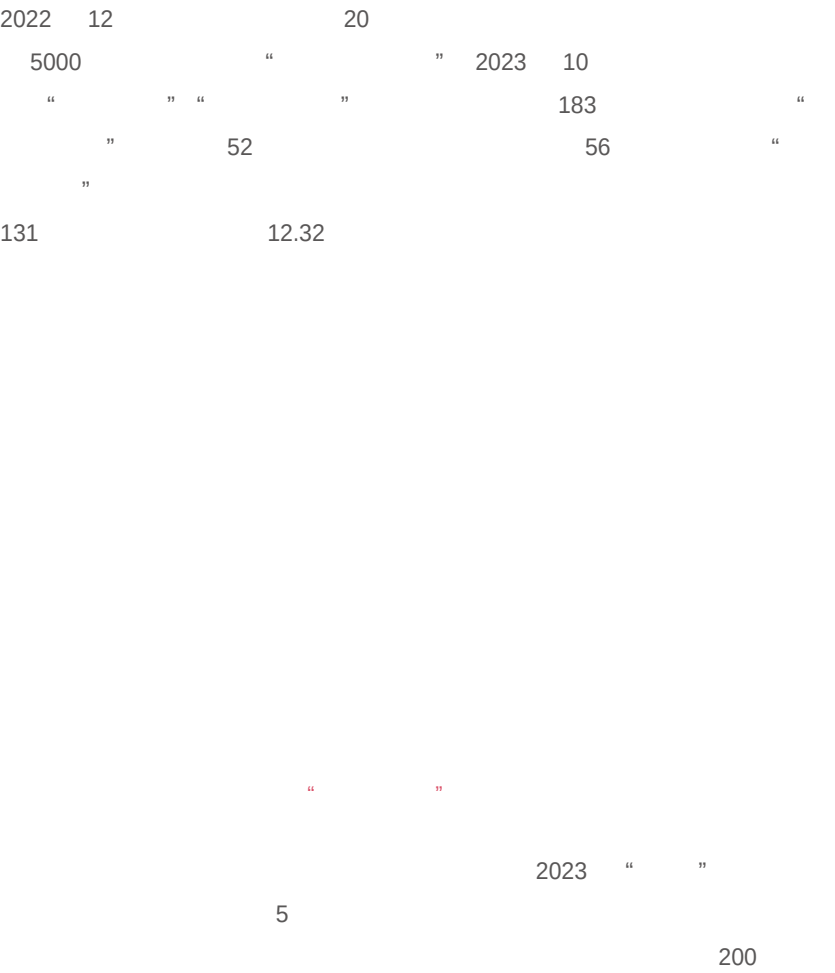
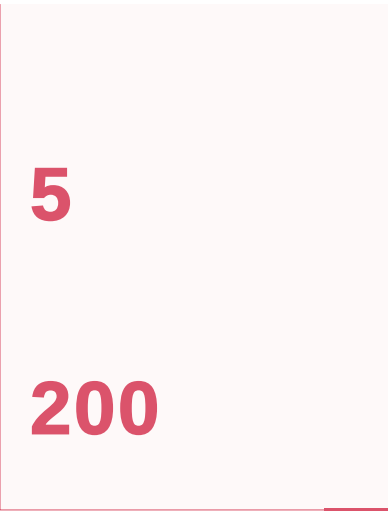
				145.24
“ ” “ ”				
				115.24
				8.33
IPIP				
KNI				186.67
8				
Vhuta Belmont Musuwo				573.81
200				
Acs				39.77

2023

2023 10



2023 “ ”



20

2022

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2023 3 5

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2023 12 18

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2023 12 26

Ruwa 26.8KM

Ruwa

PLZ

KAWAMA KASHIMBALA

2023 5 -12

KAWAMA

KASHIMBALA

KASHIMBALA



		2023
		663.04
		33.51

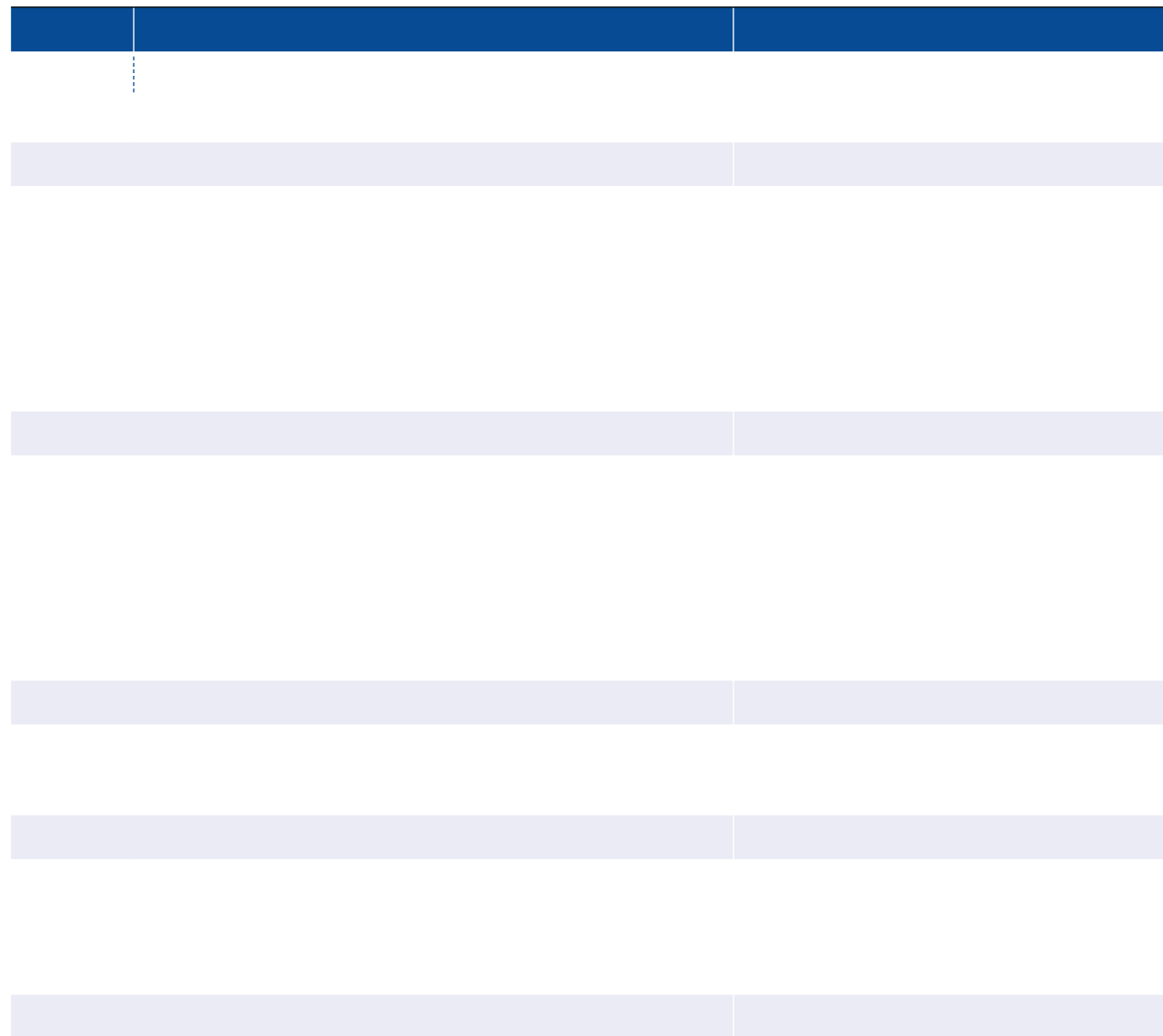
		2023
	tCO ₂ e	171.72
	tCO ₂ e/	4.04
	tCO ₂ e/	1.5
	tCO ₂ e/	1.74
		117,139.60
		266,810.97
		53,149,280.80
		151,339.45
		1,985,222.22
		243,983.81
		11.90
-		2.27
	%	34
		34,613,021.17
	/	522.04
		39,748,463.56
	%	53.45
		28,585,592.45
	/	4.31
COD		361.51
		17.53

		2023
		21,846.23
		288.47
		3.54
SO ₂		1,944.87
NO _x		341.03
		21,953.52
	/	0.33
		3,997.81
		1,367,805.31
	/	20.63
		1,318,848.82
		260,46.3
		4.6
		4
		4
		2023
		1.81
		1
		14,791.50
		31
LTIR		0.62
		296.63
	%	100
		0



		2023
		2,771
		73
		695
		1,800
	%	100
		14.41
		4,689
		12
		2
		397
		226
		169
		3
		52
		29
		23
		8
		12
		4
		29,548
		15,426
		1,377
		9,985
		2,698
		62
		24,493
		5,055
30		10,203

		2023
30	50	17,920
50		1,425
	%	99.76
	%	85.33
	%	82.36
	%	82.13
		10,255
		1,444
		959,373.2
		31.44
		477.57
	%	98.38
		500,281
/	%	100
		1,069.06
		2023
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		4
		5
		22
		13
		4
		178
		48
		5,375
		869
		30,017





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