



ABOUT THIS REPORT

ESG

2024
2024

17

(CASS -ESG 6.0)
GR
(SDG)

12 31

2024 1 1 2024

ESG

k

k

!

k

frrnq://u u u.jcwapb.am k /
frrn://u u u.qxqc.al / k

k

2025 4 23

k

2024 1 1 2024 12 31

+86-010-62864532

k

CONTENTS



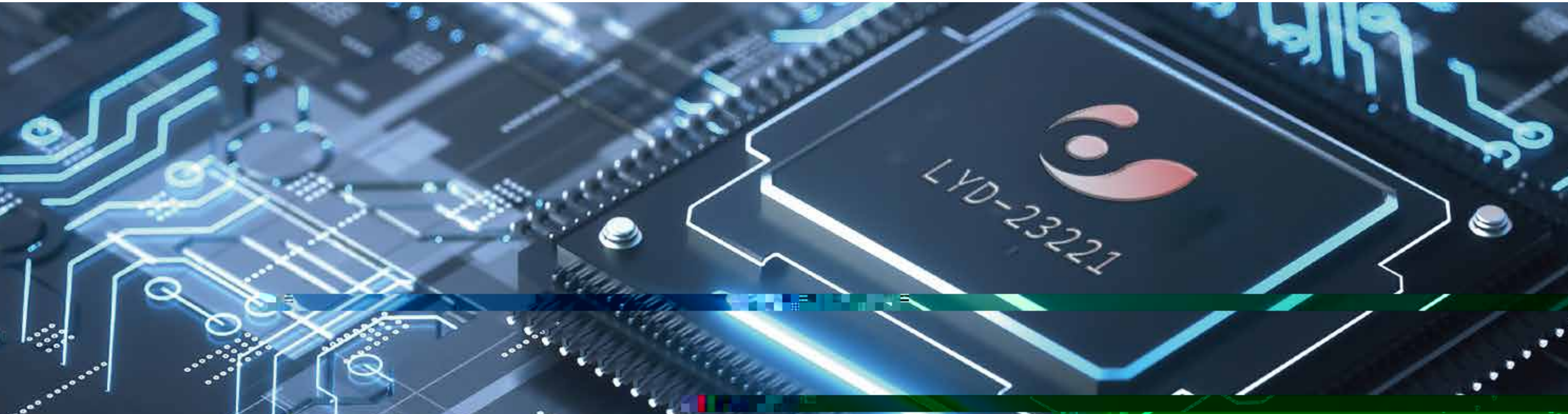
| LIJUN

2024年度环境管理 ESG

Micro LED







2022 10 t Mg lg/Mgapm LED u
CMMA 2022 Mg lg/Mgapm
LED t Mg lg/Mgapm LED u
k
2020 10 MgapmLED k
t Mgapm LED u
k Mgapm LED

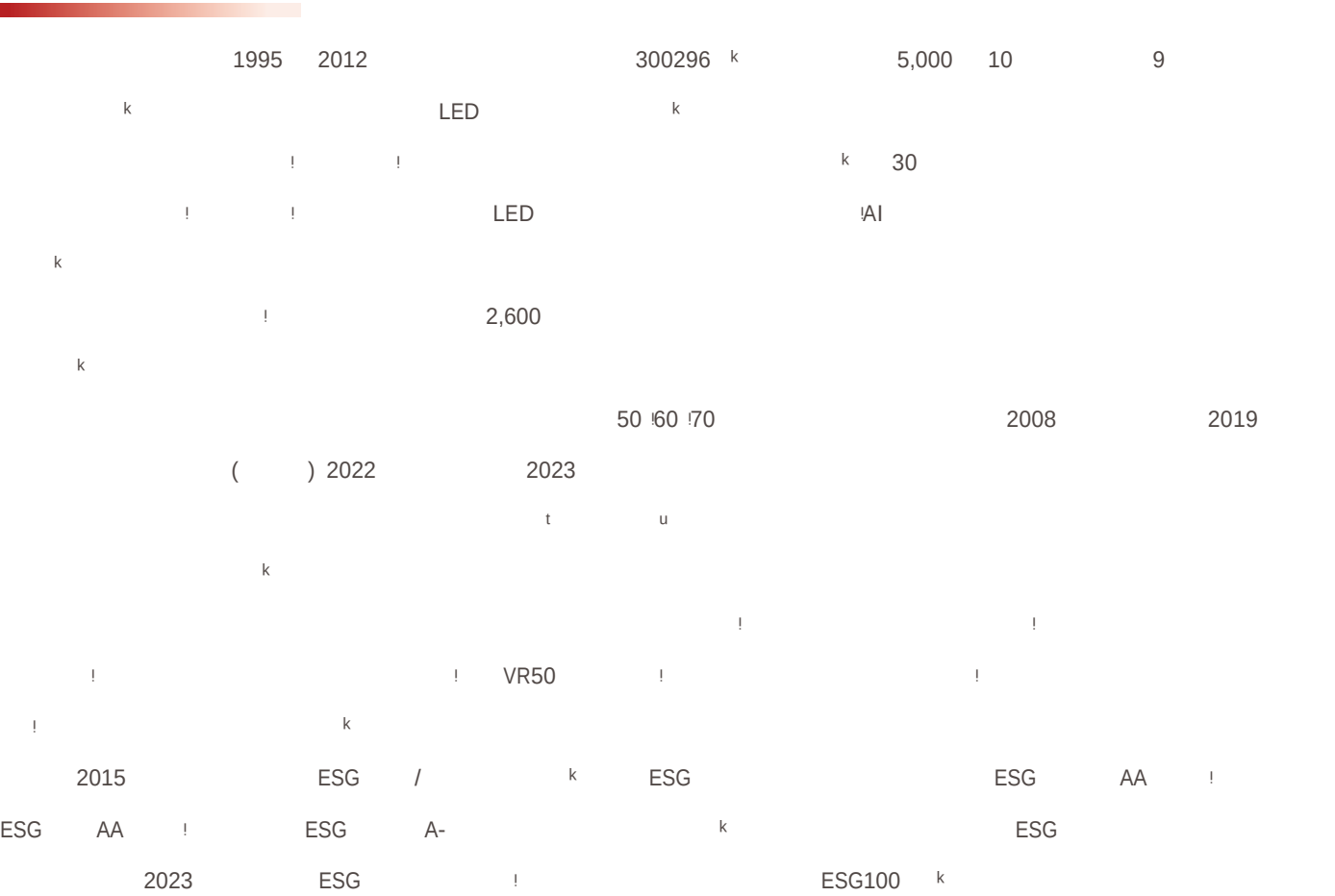


t Mgapm LED





1



2

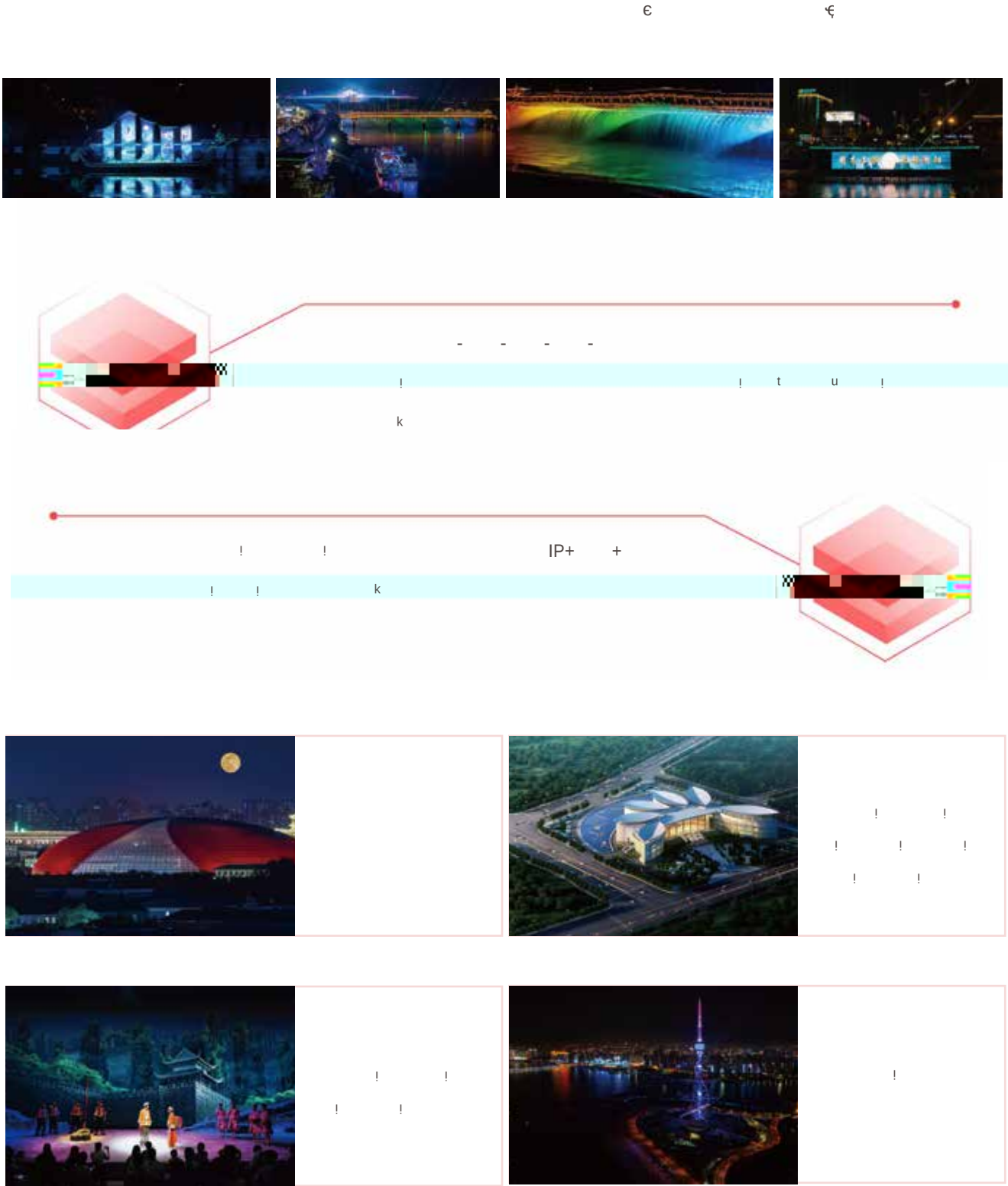




智能显示全覆盖

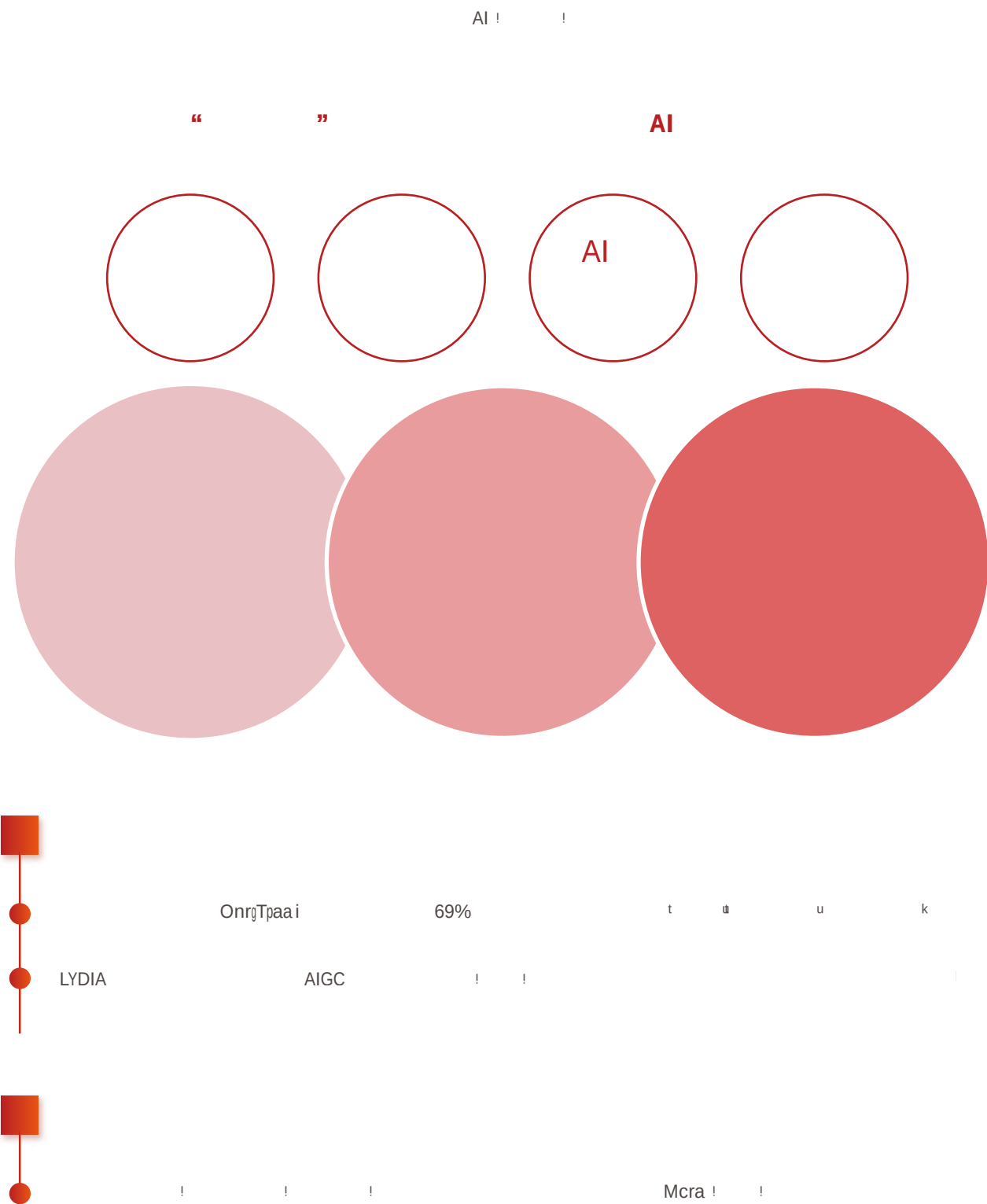


2.2





2.3 AI





3

2024

! ! ! ! !

! !

! NP k

!

!

MiP Micro LED

MgP () ! (!

) (LED Mgapm LED) LED k

2024 Mgapm LED(COB) |

2024

k

“ ”

12 23 LED 12 29 Mgapm LED

12 30 LED

k

! t u t u k

VR50 AI

VR50 k

t u k - 3A

k

2024 ! ; PLM SRM CRM

; (MOM) :MES APS WMS

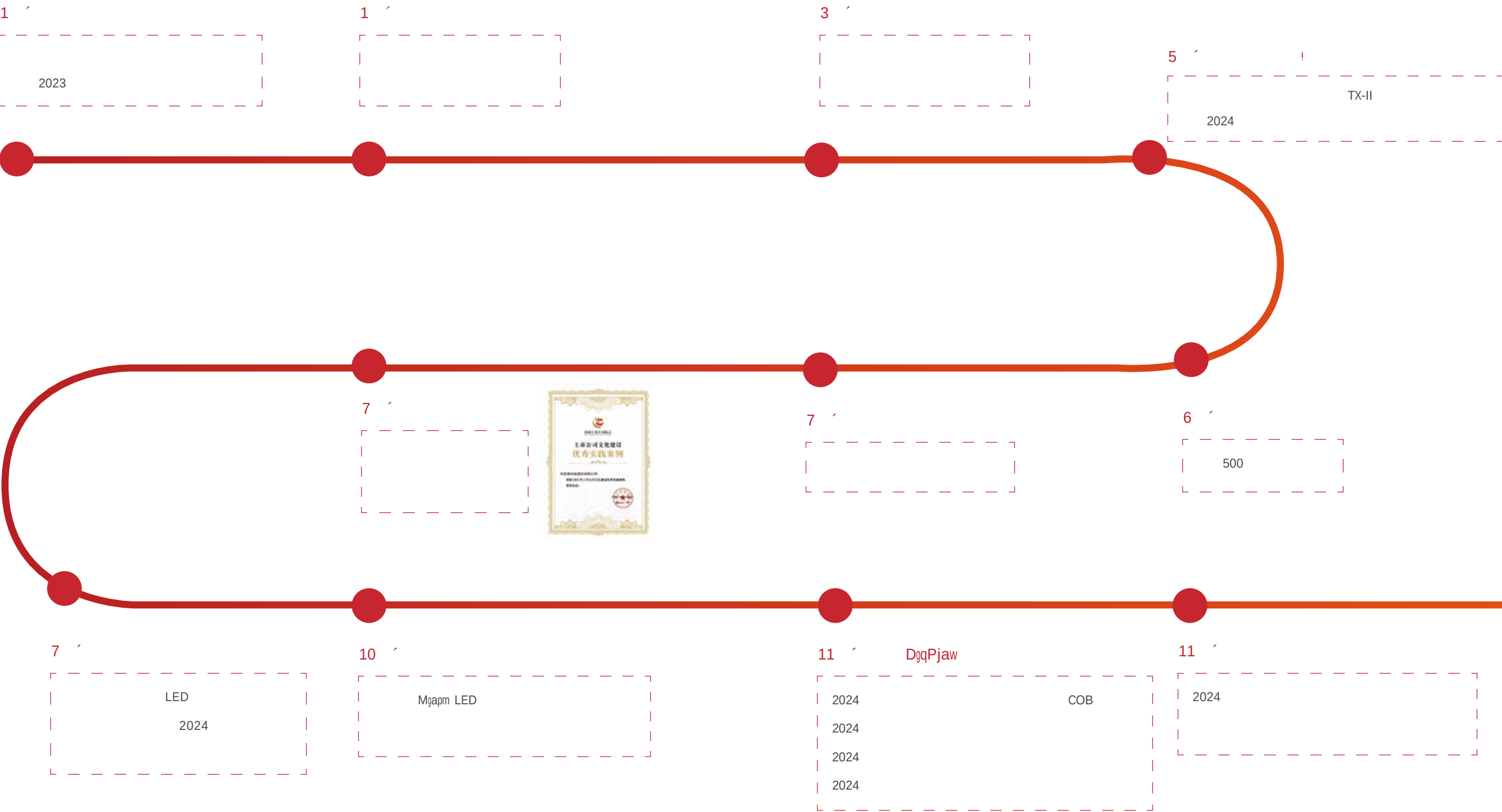
OMS MDC k

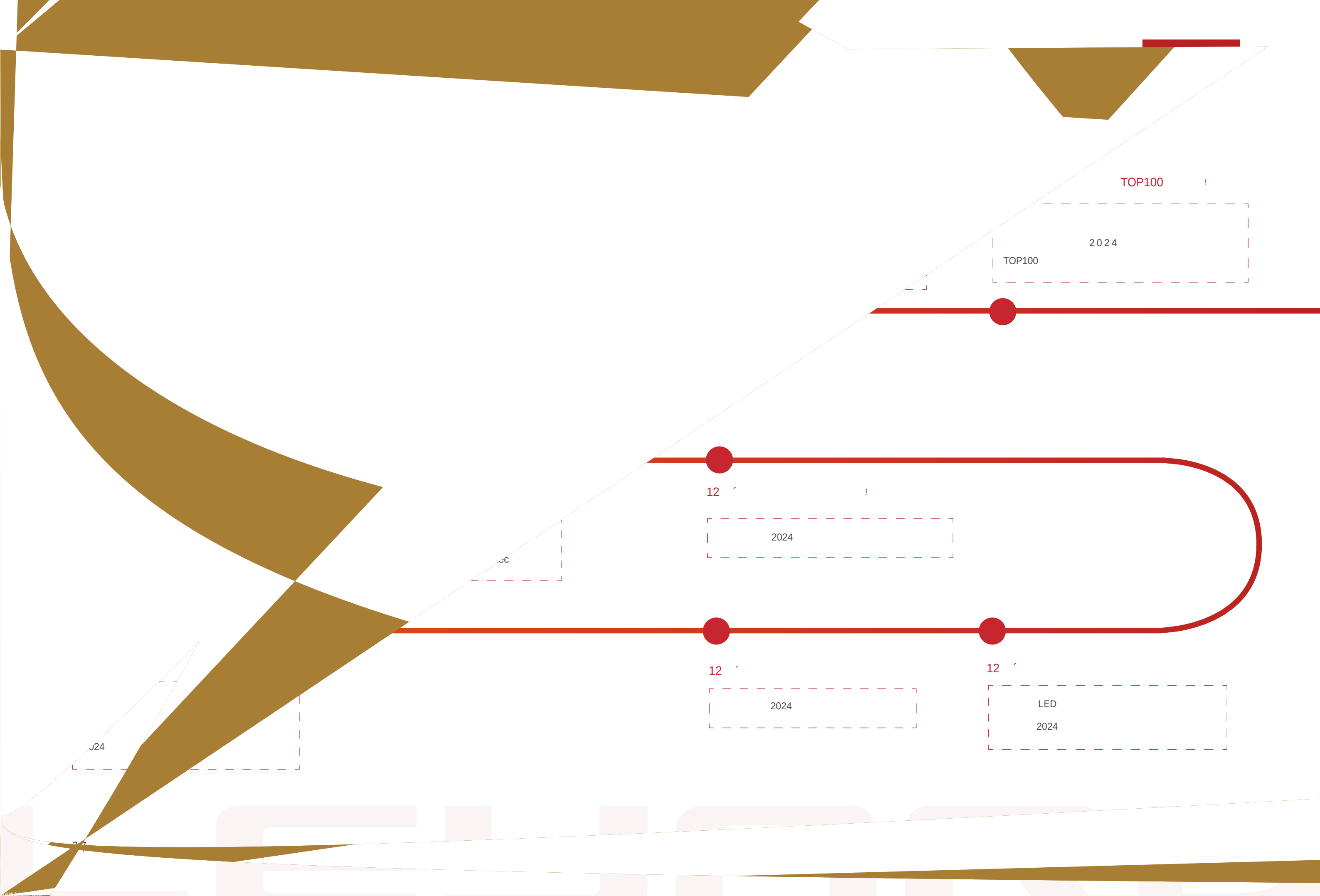
! ! ! ! ! k

! k

3000 k

5.





TOP100 !

2024

TOP100

12 ' !

2024

ec

12 ' !

2024

12 ' !

LED

2024

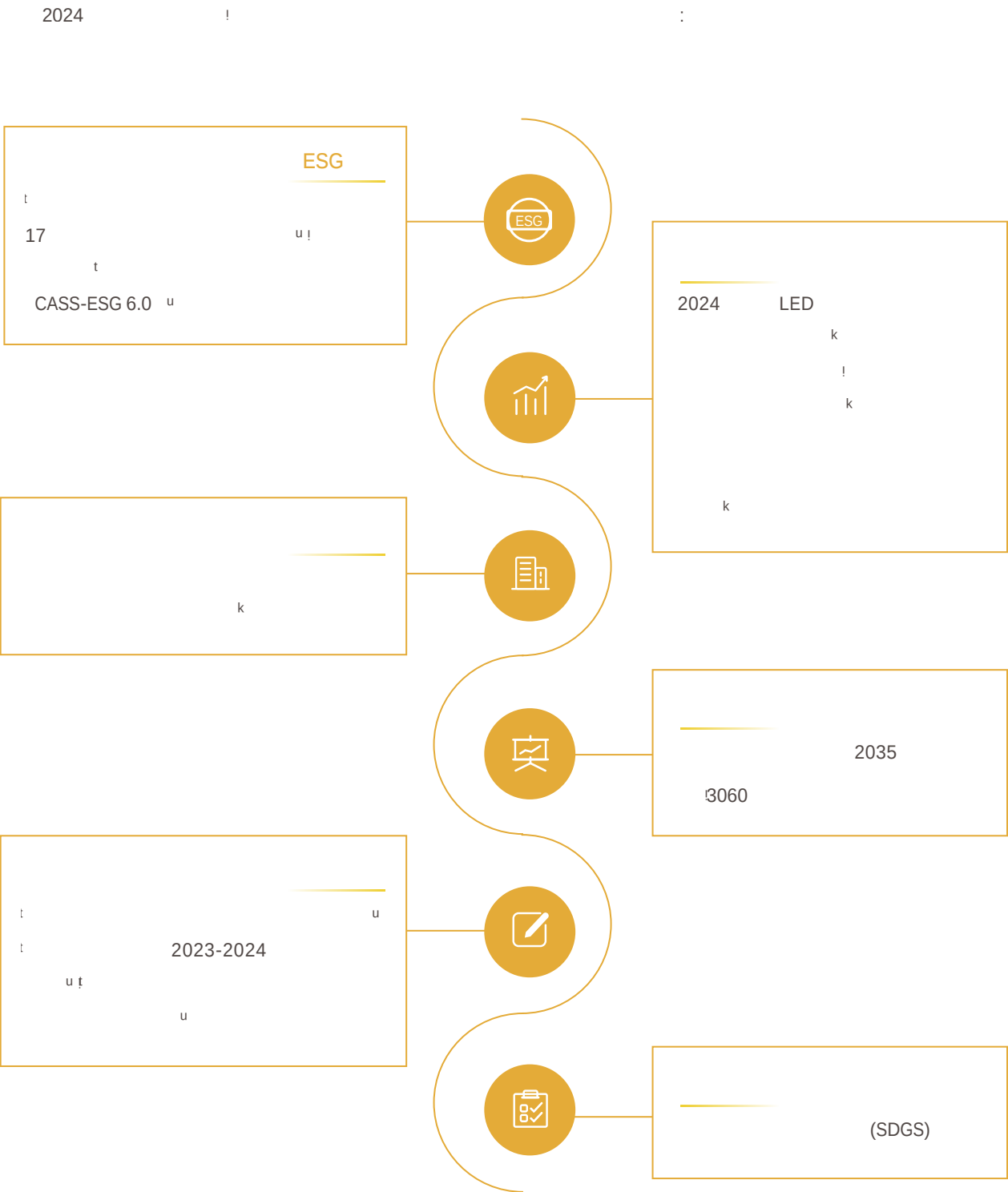
2024

2024

1.

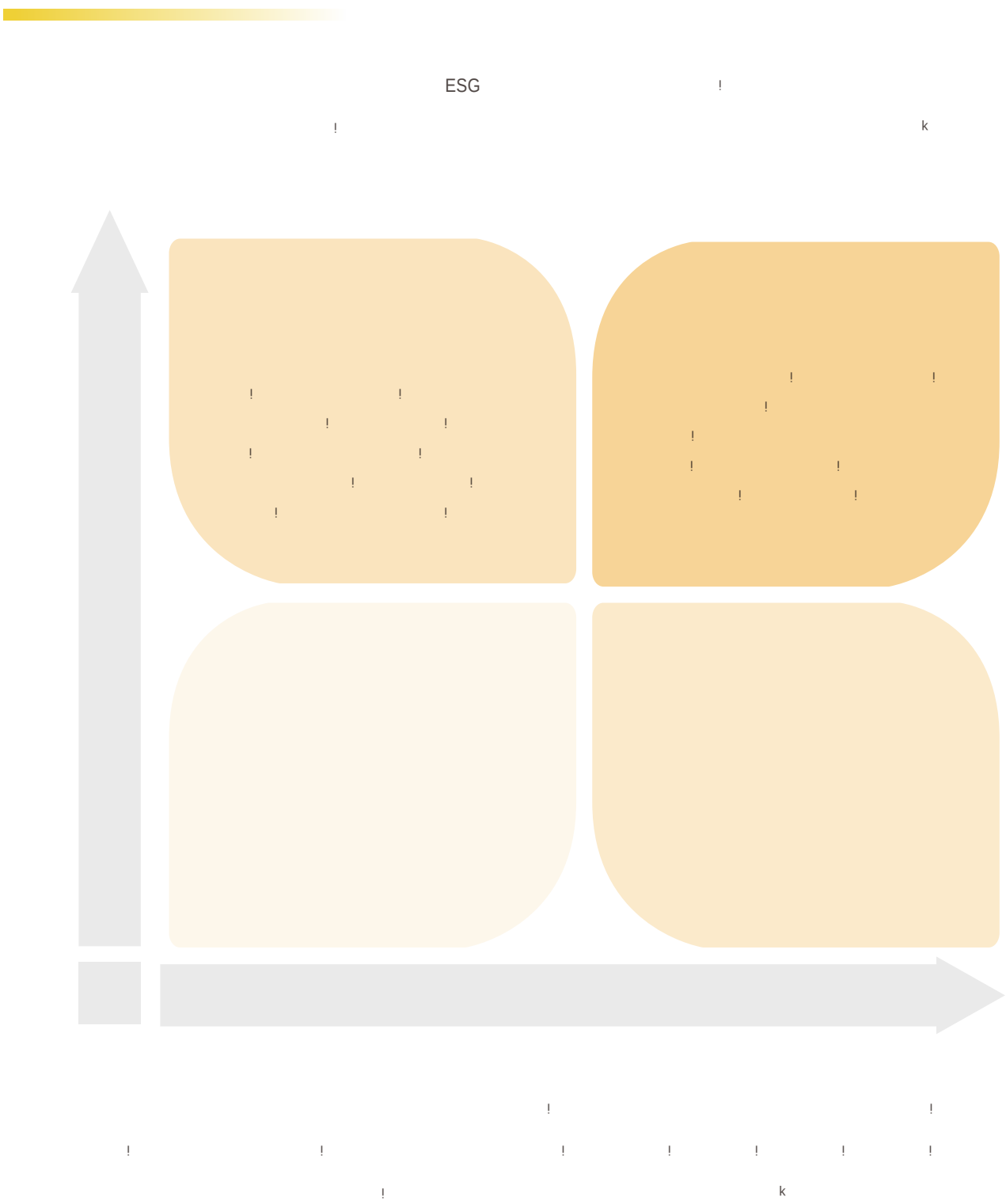


1.1



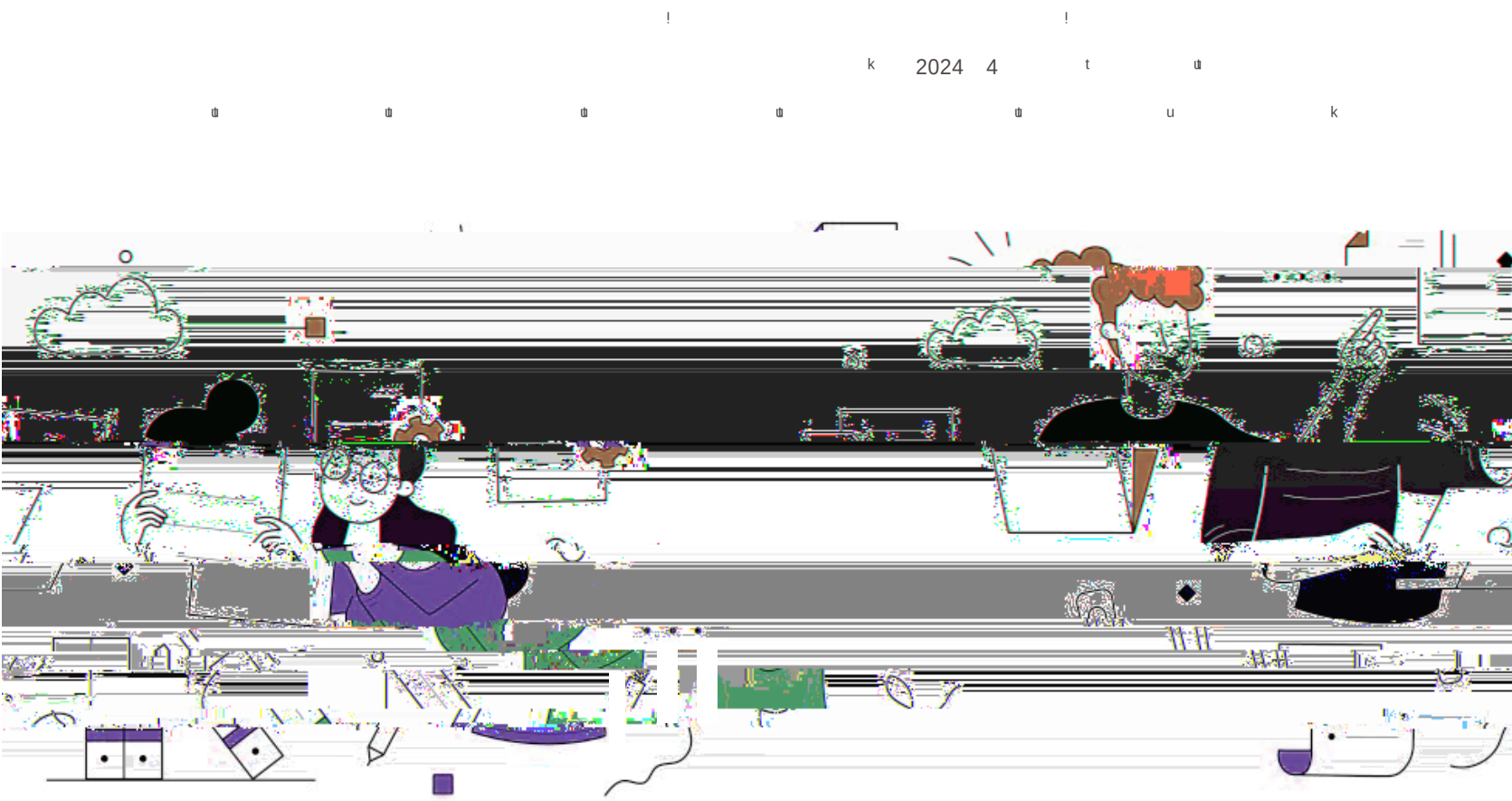


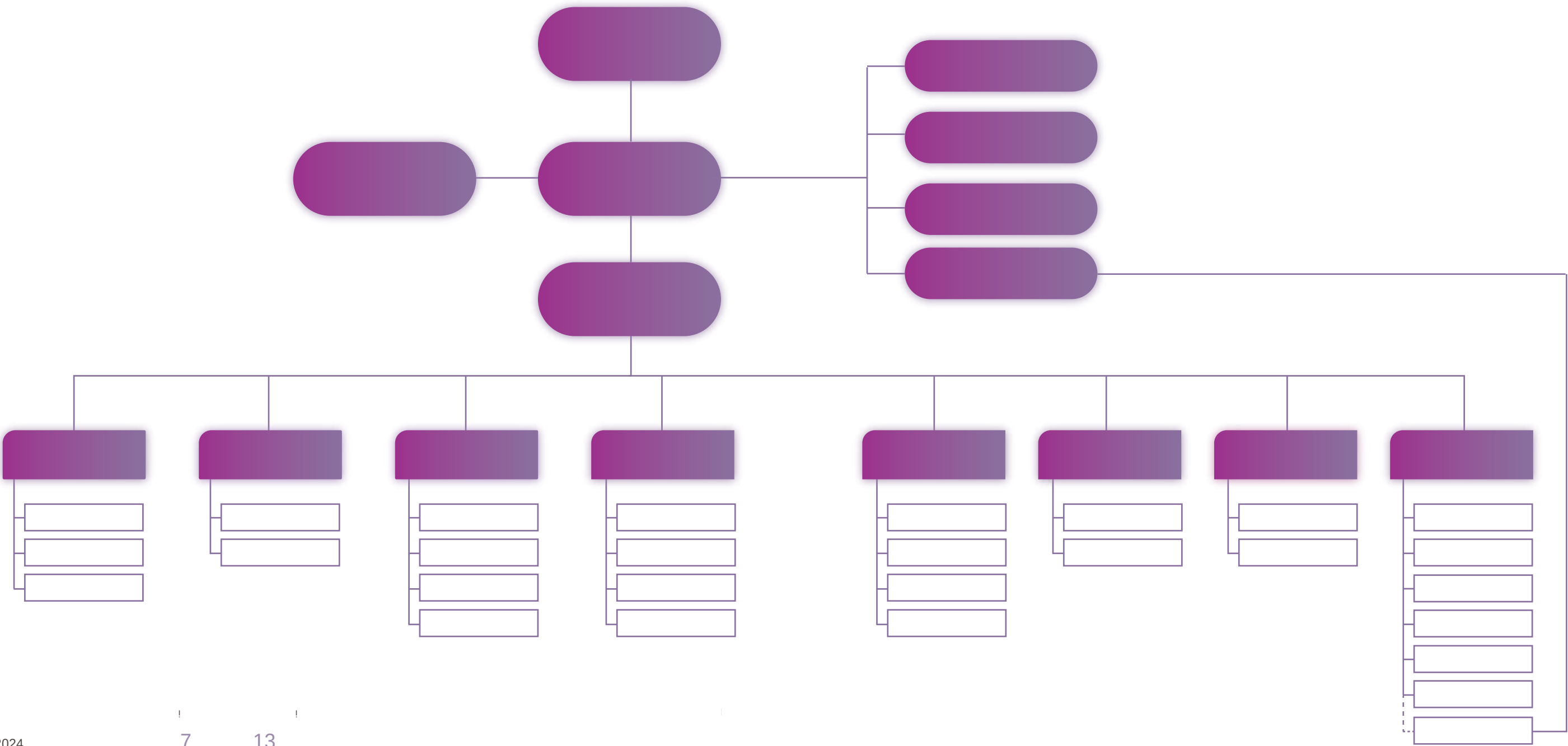
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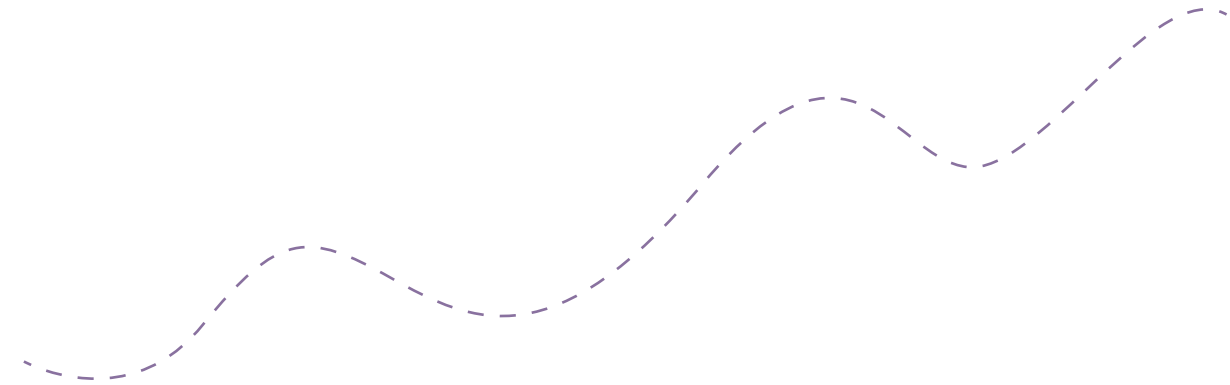


1

1.1

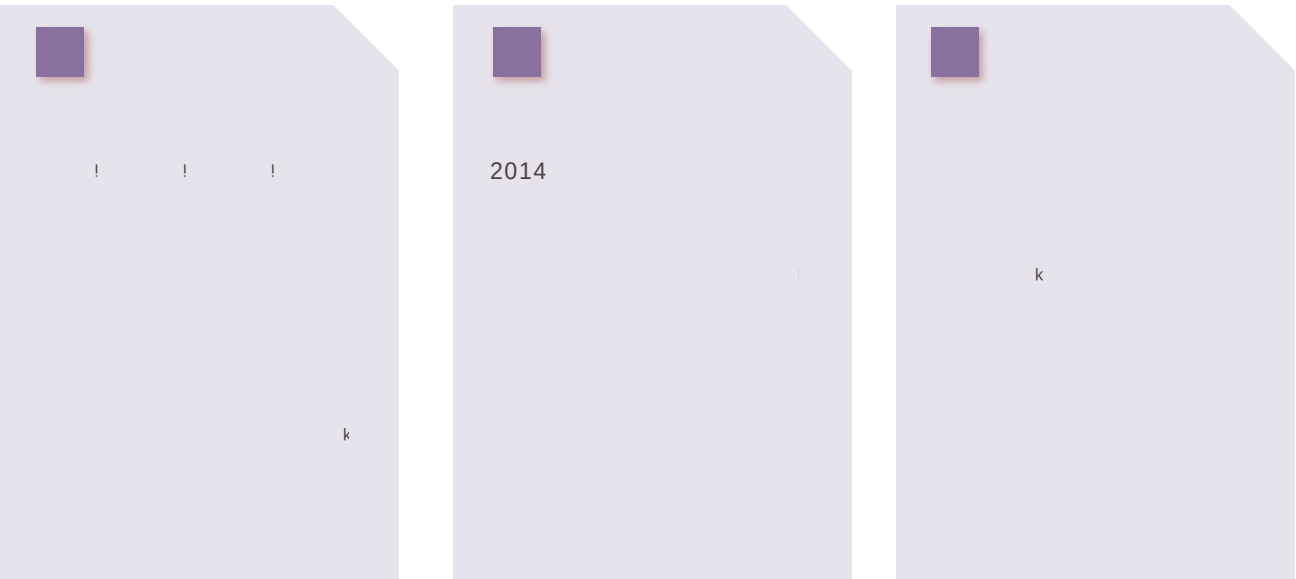
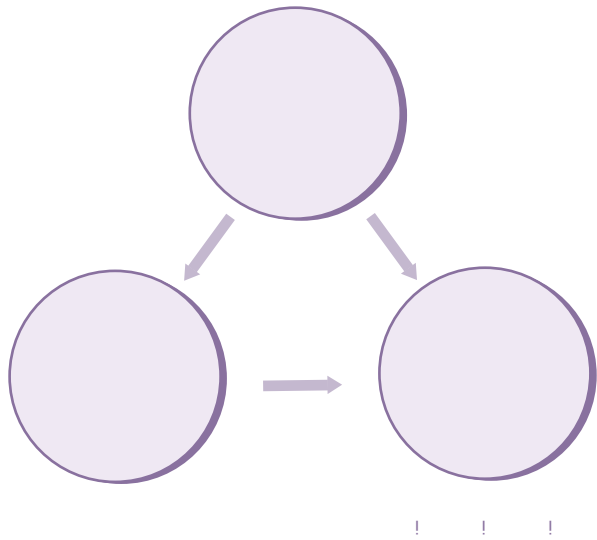






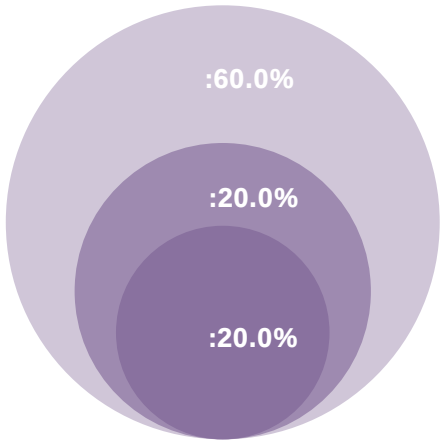
LEYARD

30



1.2

5 3 2 2 k





1.3

!

1

2

3

4

!

! ! k

k

k

!

k

k

!

!

$$! \quad ! \quad ! \quad ! \quad \dots \quad k$$

! ! !
!
!

k

! ! !

! ! !

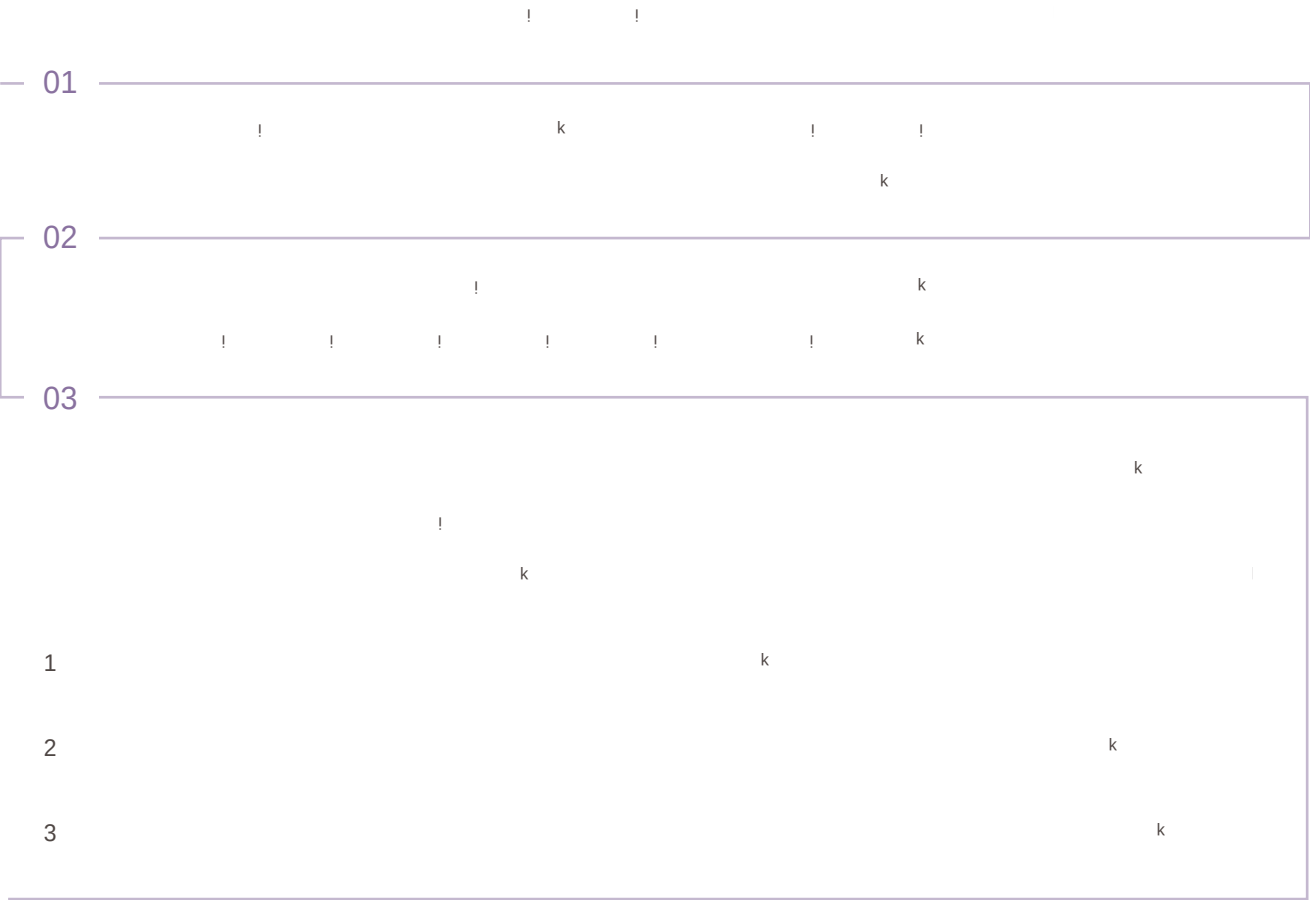
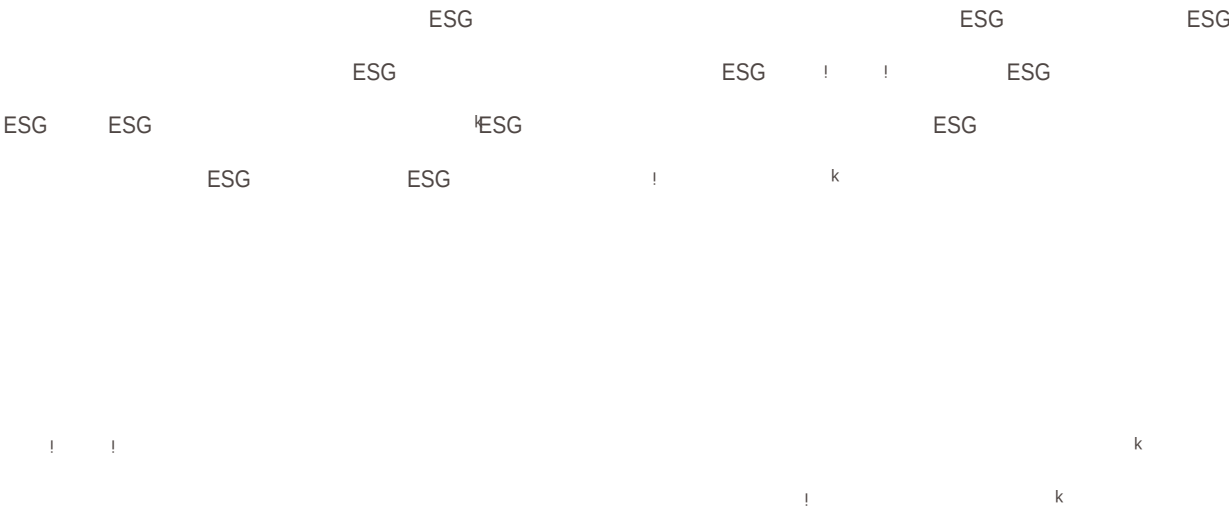
k

k

! ! !



2





01 /

! ! !
k

02 /

03 /

k

04 /

!
k

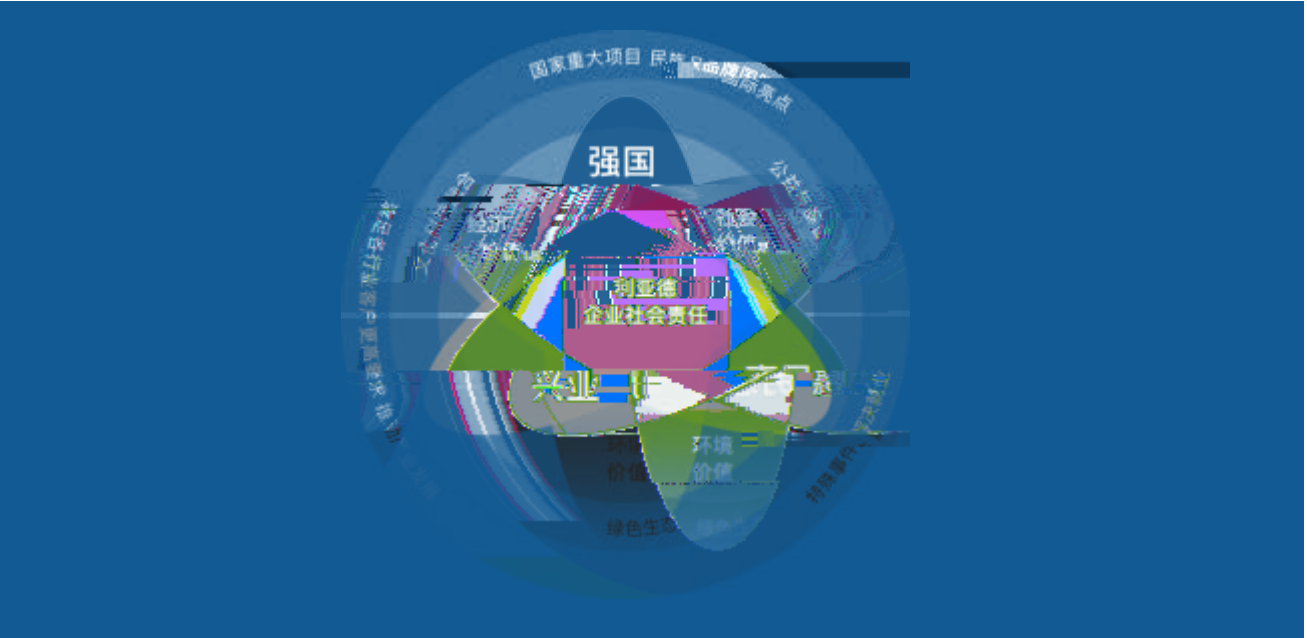
1. k

2. k

1. k

2. 5000
800 k

k

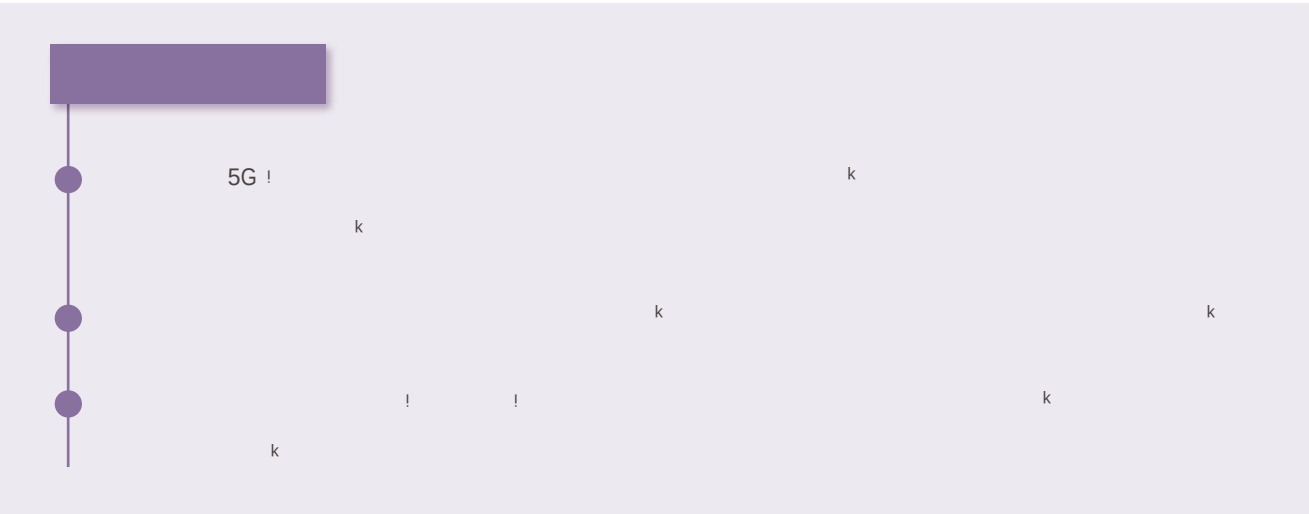
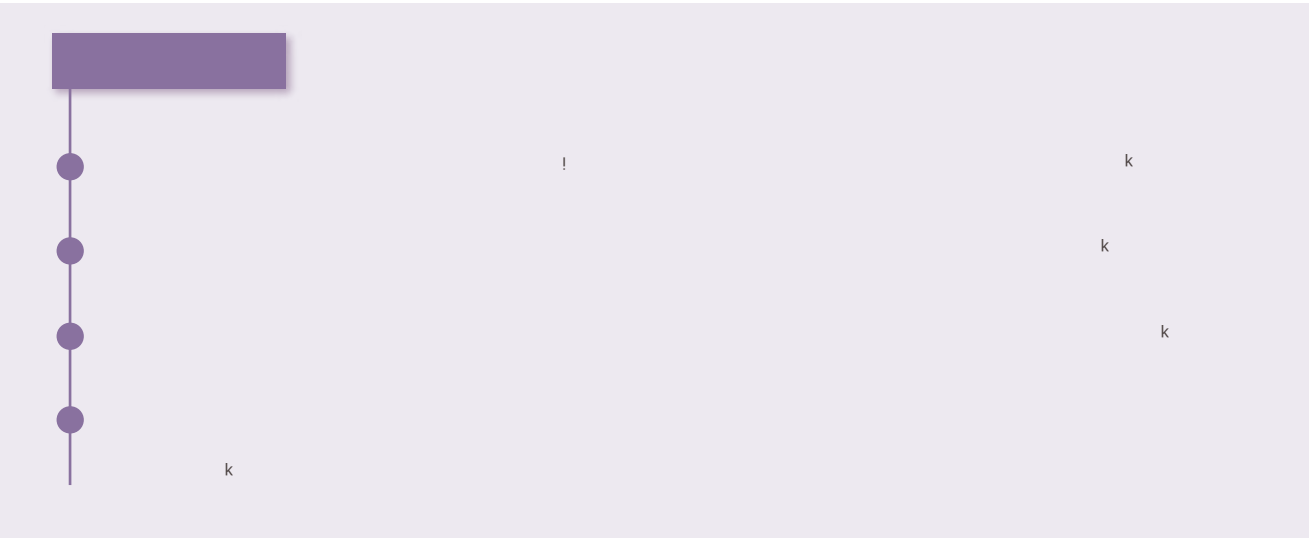


01.

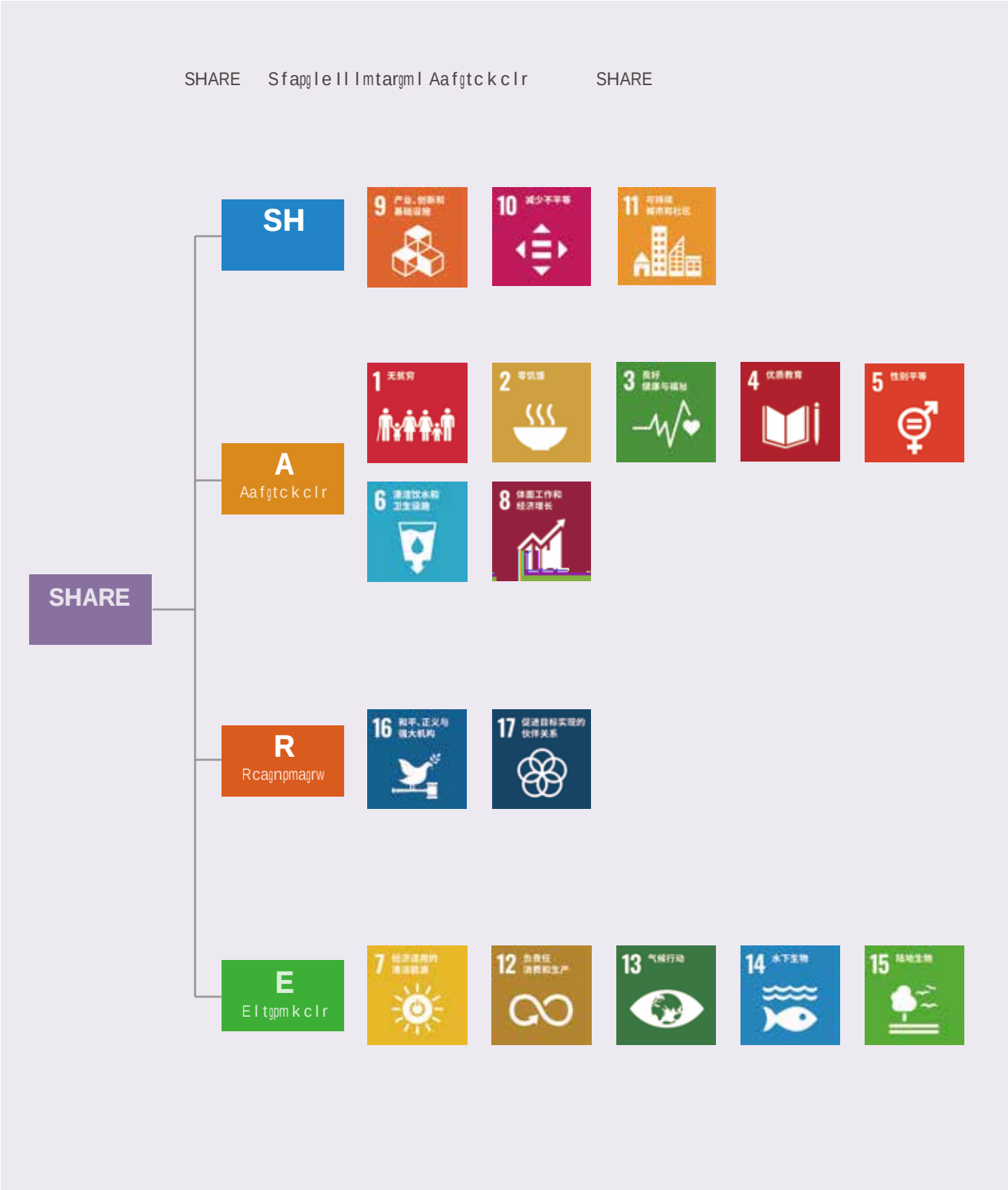
02. !

03.

04.



SHARE ! k ! ! k







1.2

1.3

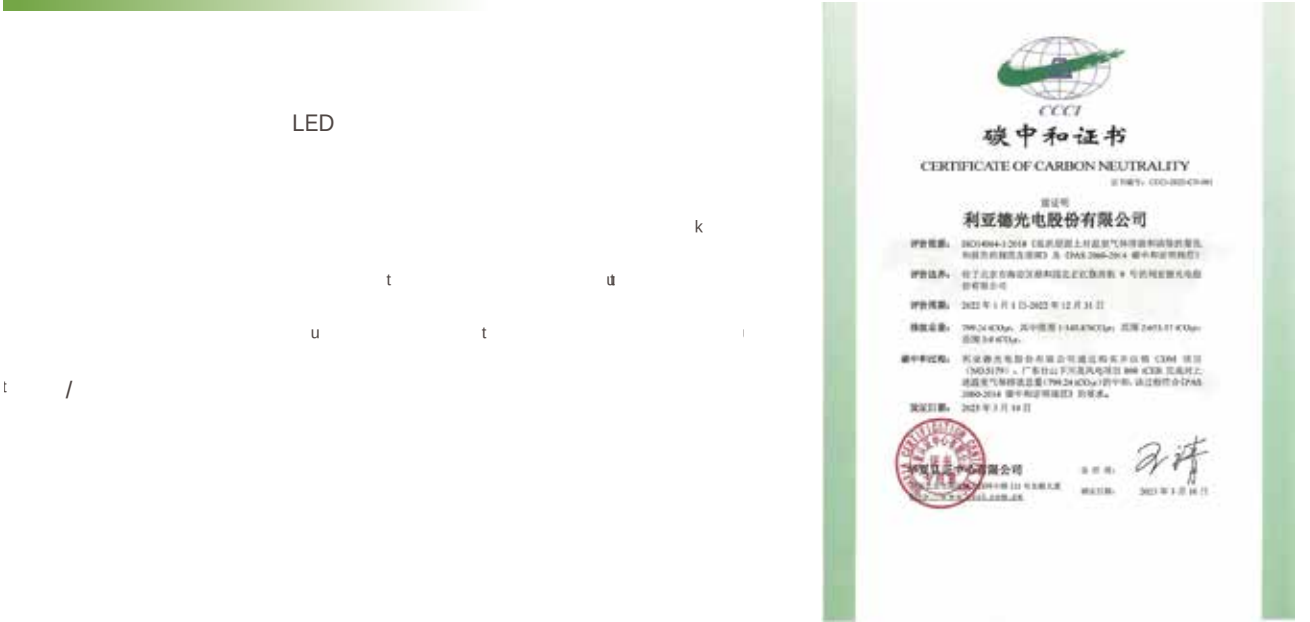
t		u	
k	!	!	!
!	k	!	k
!		t	u
u	u	!	k
/		k	

1.4

		2024
		61.4
		666
		833
		22
		811



2



		1.	
	CBAM	-	-
		-	-
		-	-
		-	-
		-	-
		-	-
		-	-
		-	-
		-	-
		2.	
		-	-
		-	-
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		-	-
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		-	-
		MOCVD	
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		-	-
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		3.	
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		-	-

[illegible]

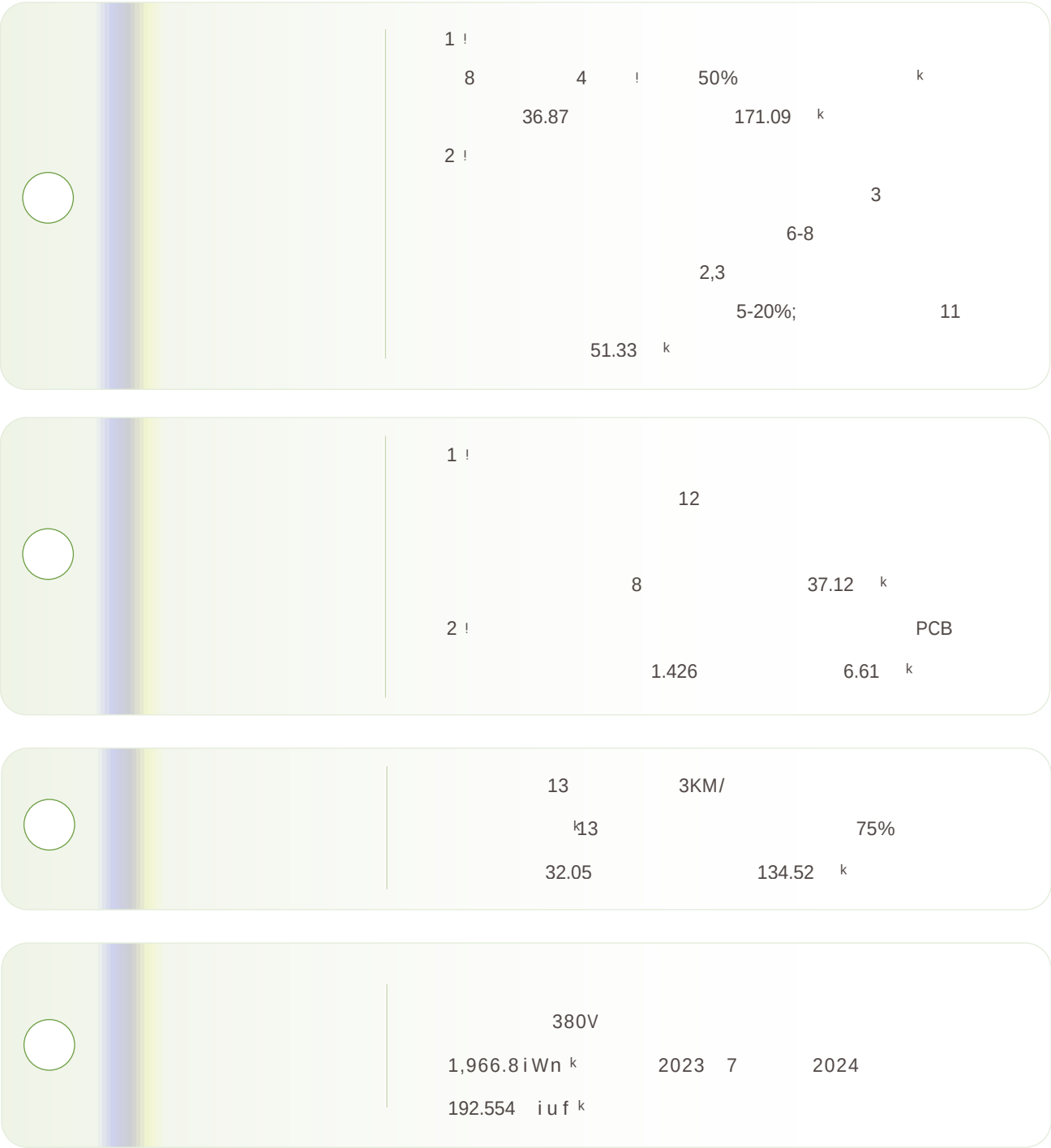
2024

		2024
		151,008.00
		29,840.60
		56,998,890.00
		2,531,337.00
		7,221

2024

		2024
		30,953.26
		367.65
		30,585.60

- 1
- 2
- 3
- 4





3



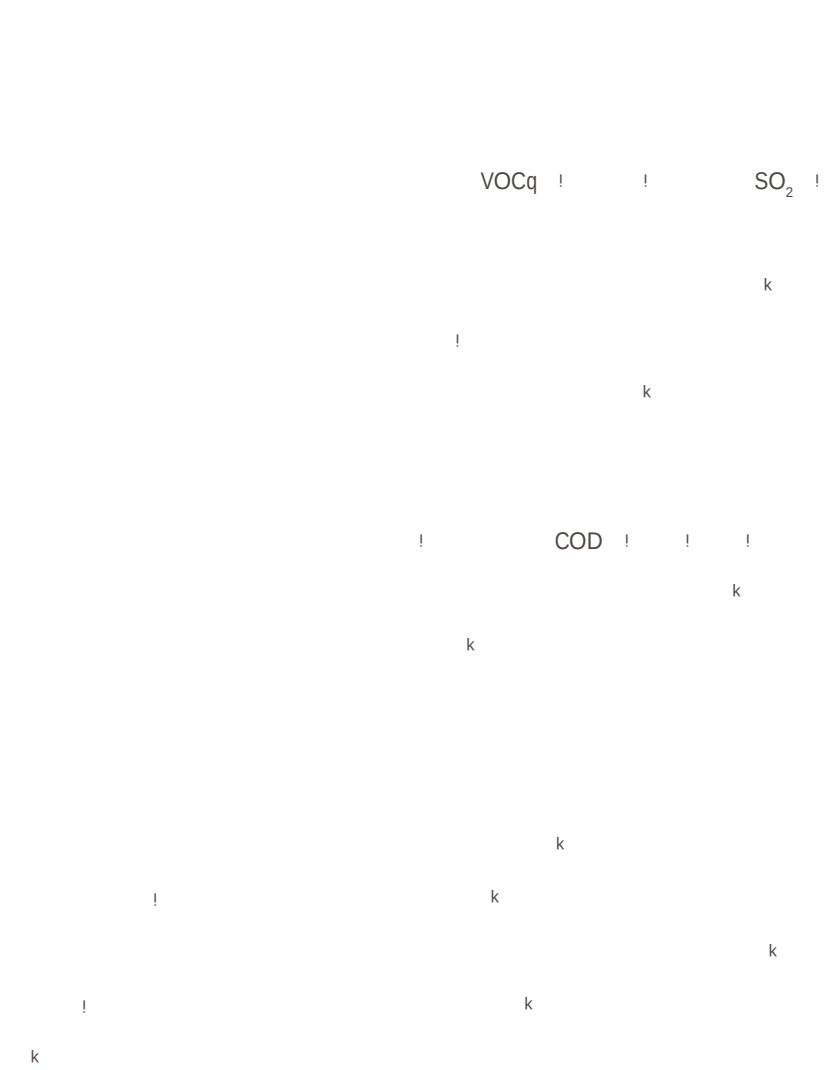
4



4.1



4.2

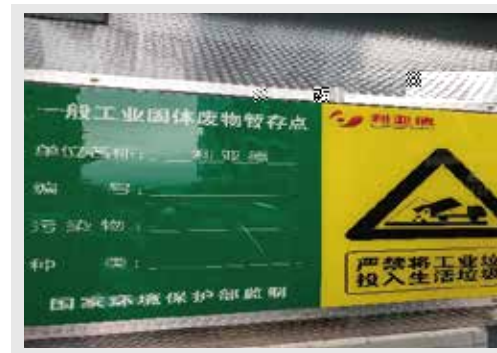


		2024
		239,934.95
		59,087.00
		174,915.76

t

u

k



t

u

u

u k

k



LED

LED

k

k

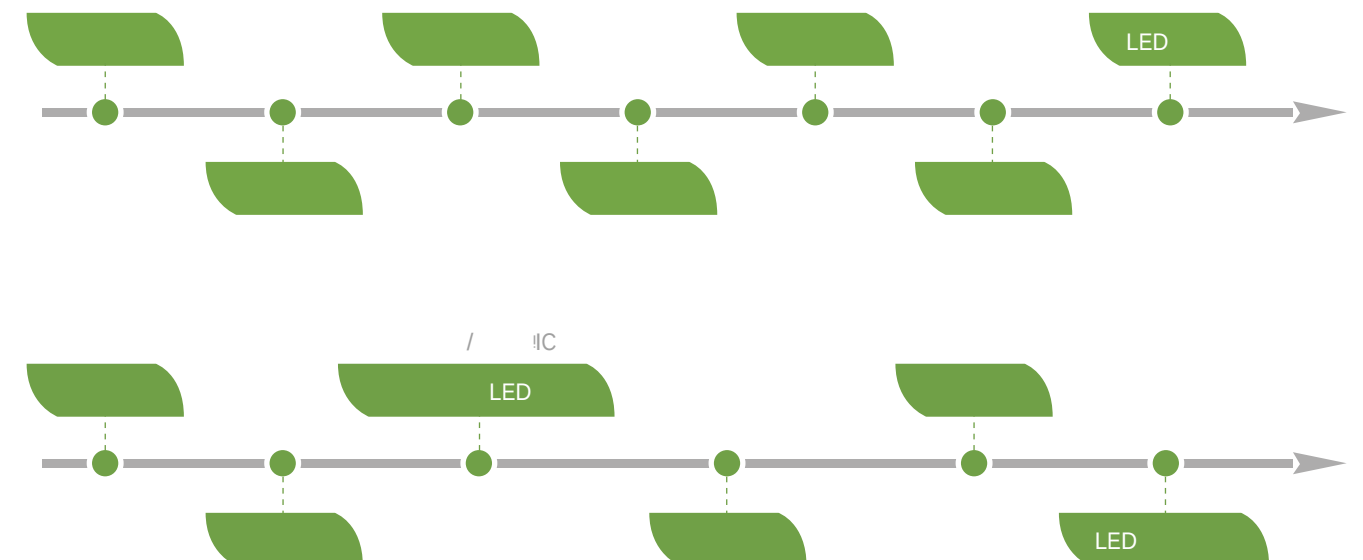
k

-Mgapm LED

MIP

! k

k





	4:1,	218KW/H	60%		
20%	11	11			
	66KW/H				
	100%	40%	60%	4921	/
			28W	k°/	
			90%		
200bnn k	50bnn k				

t

u

u

!

!

!

!

!

k

k

!

!

!

!

!

k

!

k

2024

4660

390

/

/

2907

1753

k

40

75%

298

839

k

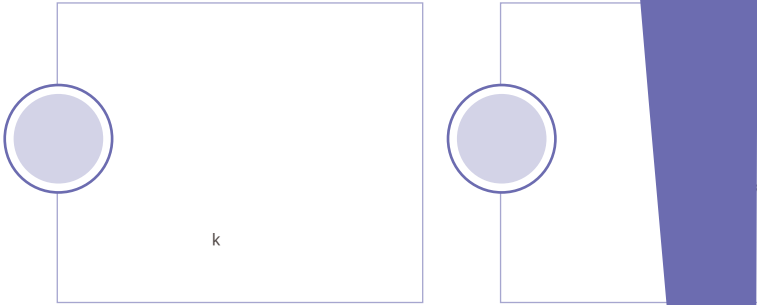


/ ≤ 30% ! / ≤ 10% ! 10% < !
k / > 30%

k

k

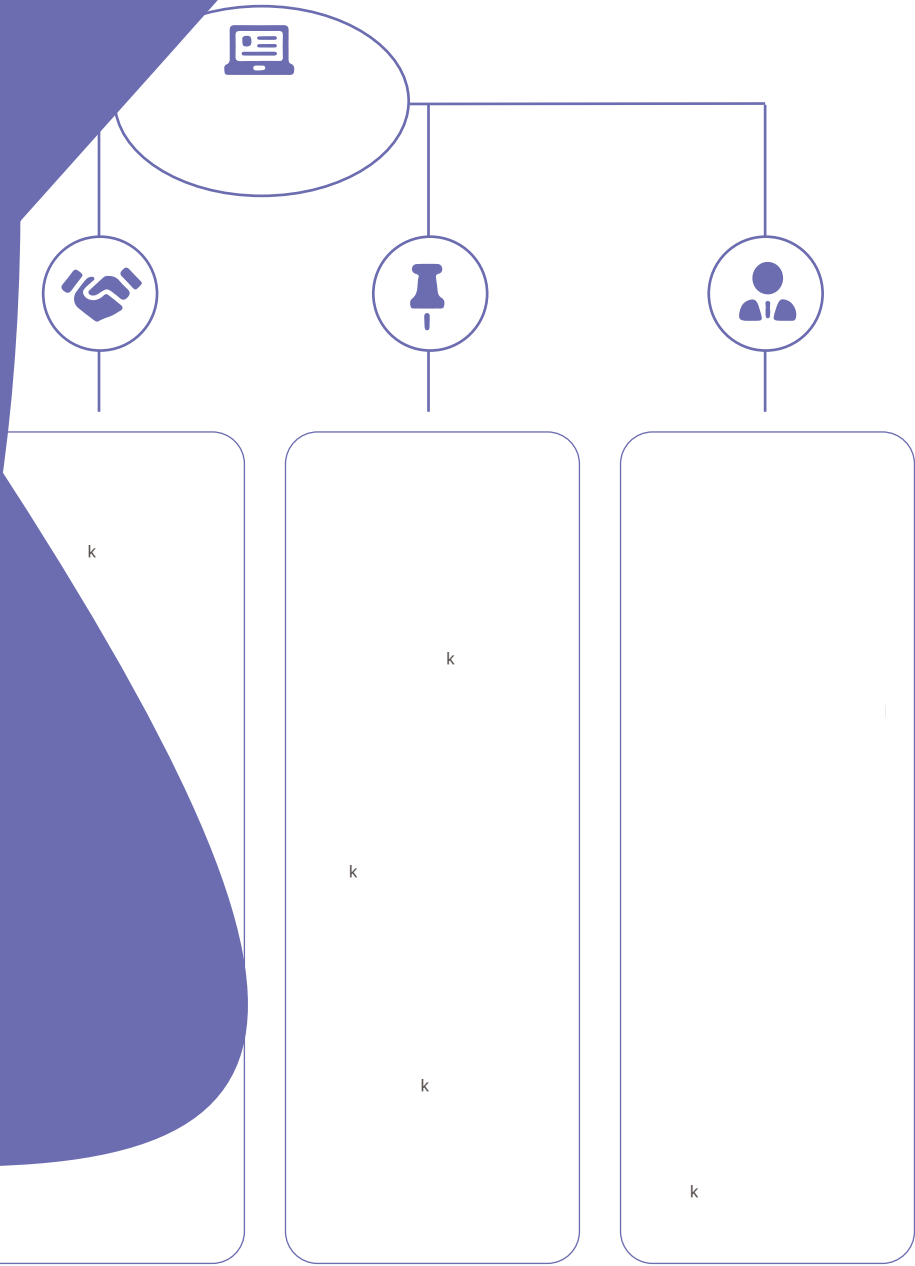




2.1

k

k

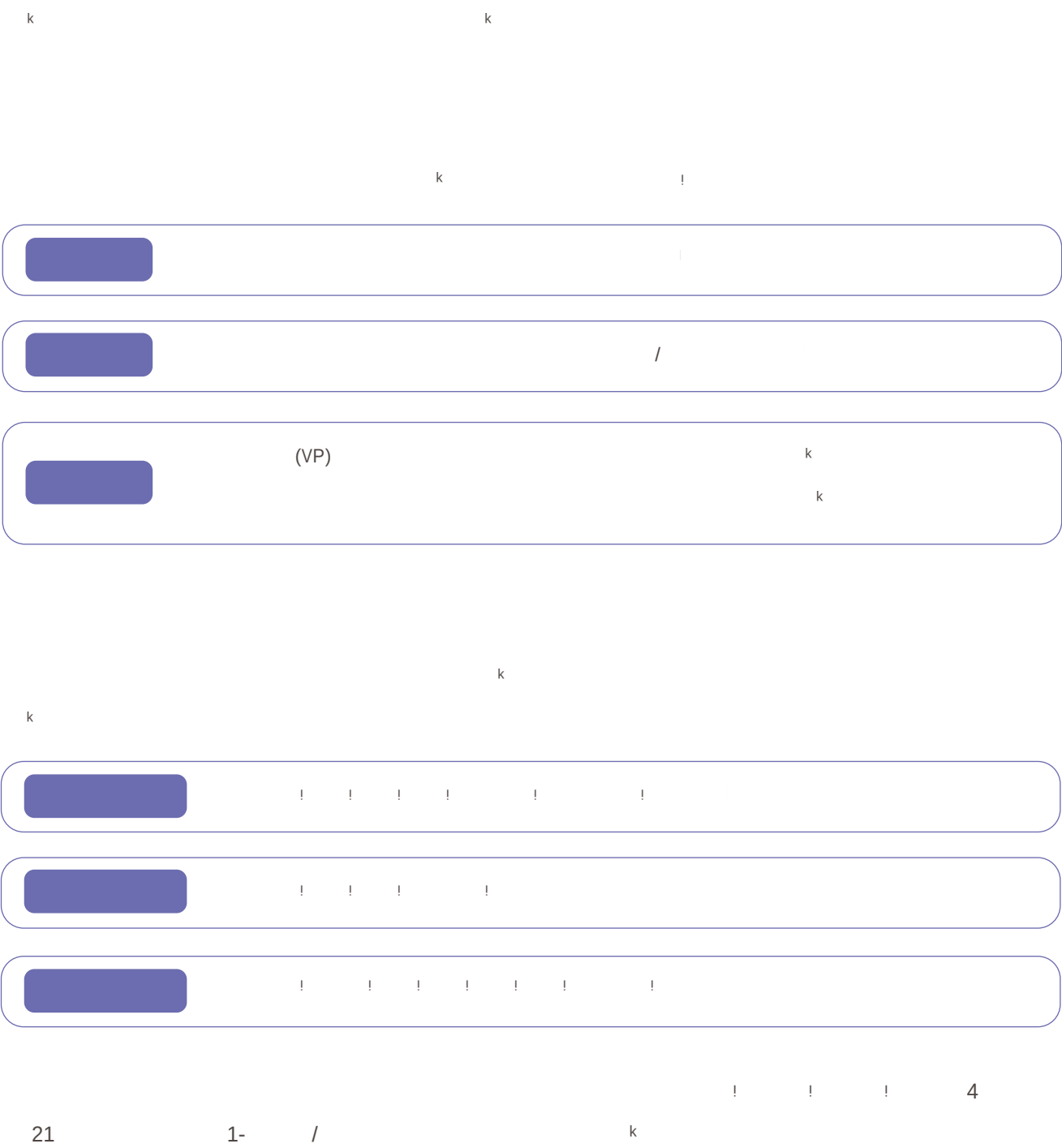


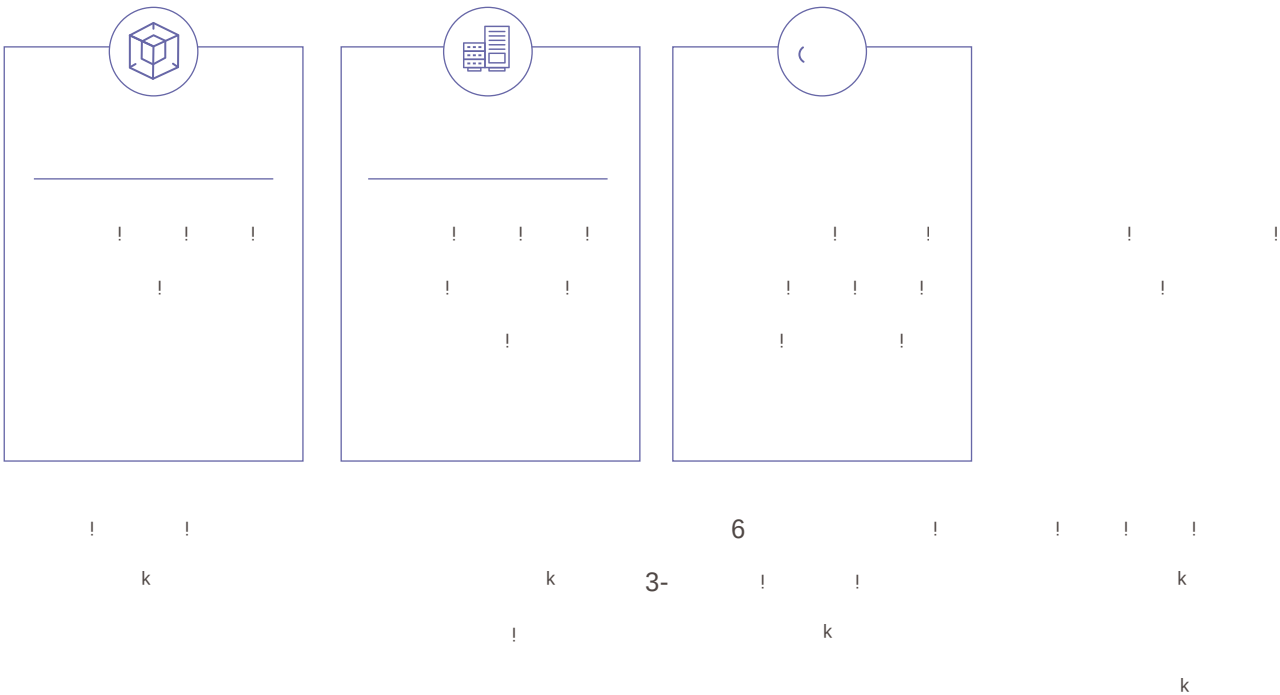
/ / !

k

k

2.2





2.3

3.





2024

2024



“

”

k

k

!

k

!

k

k

k

k

k

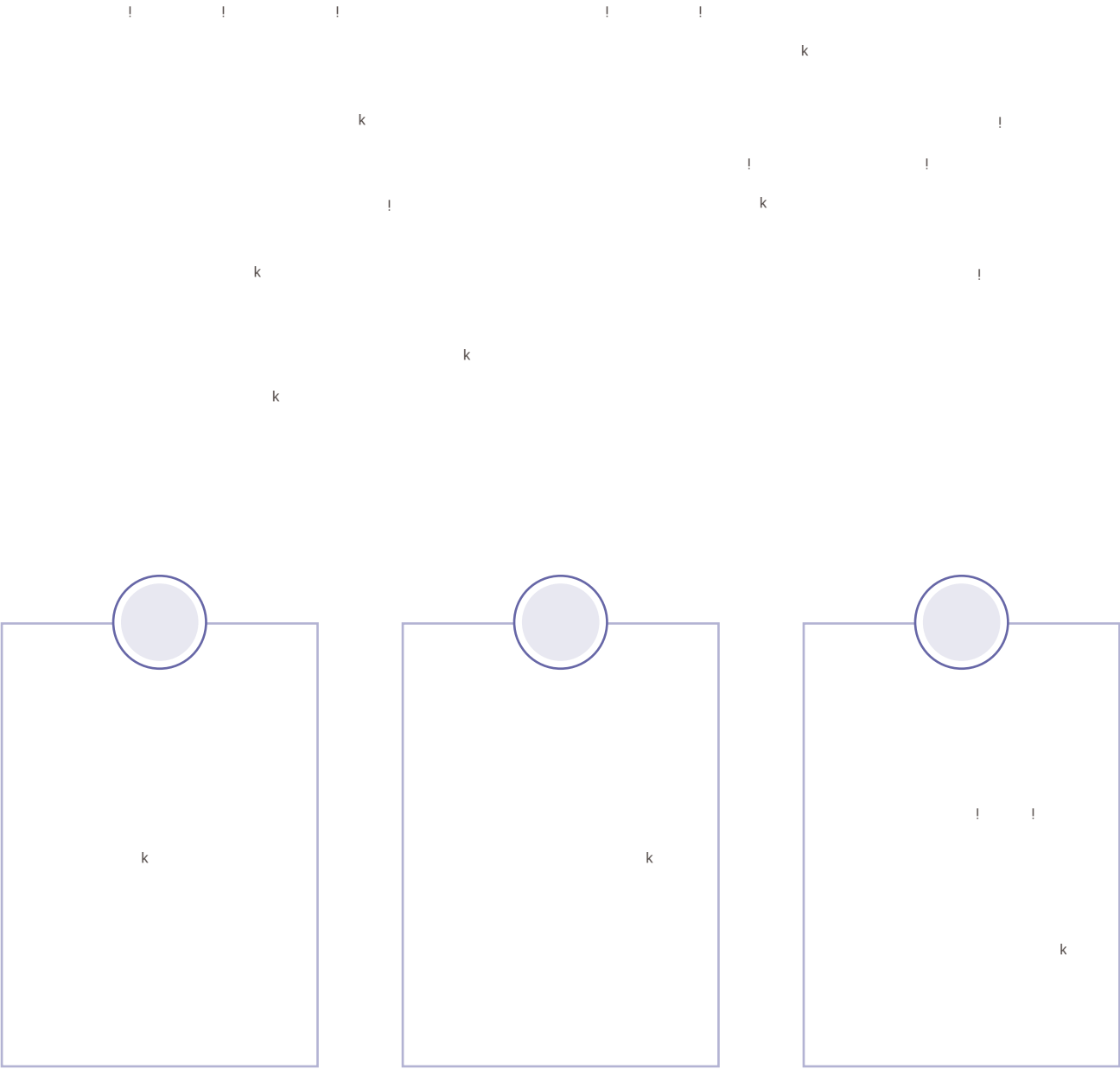
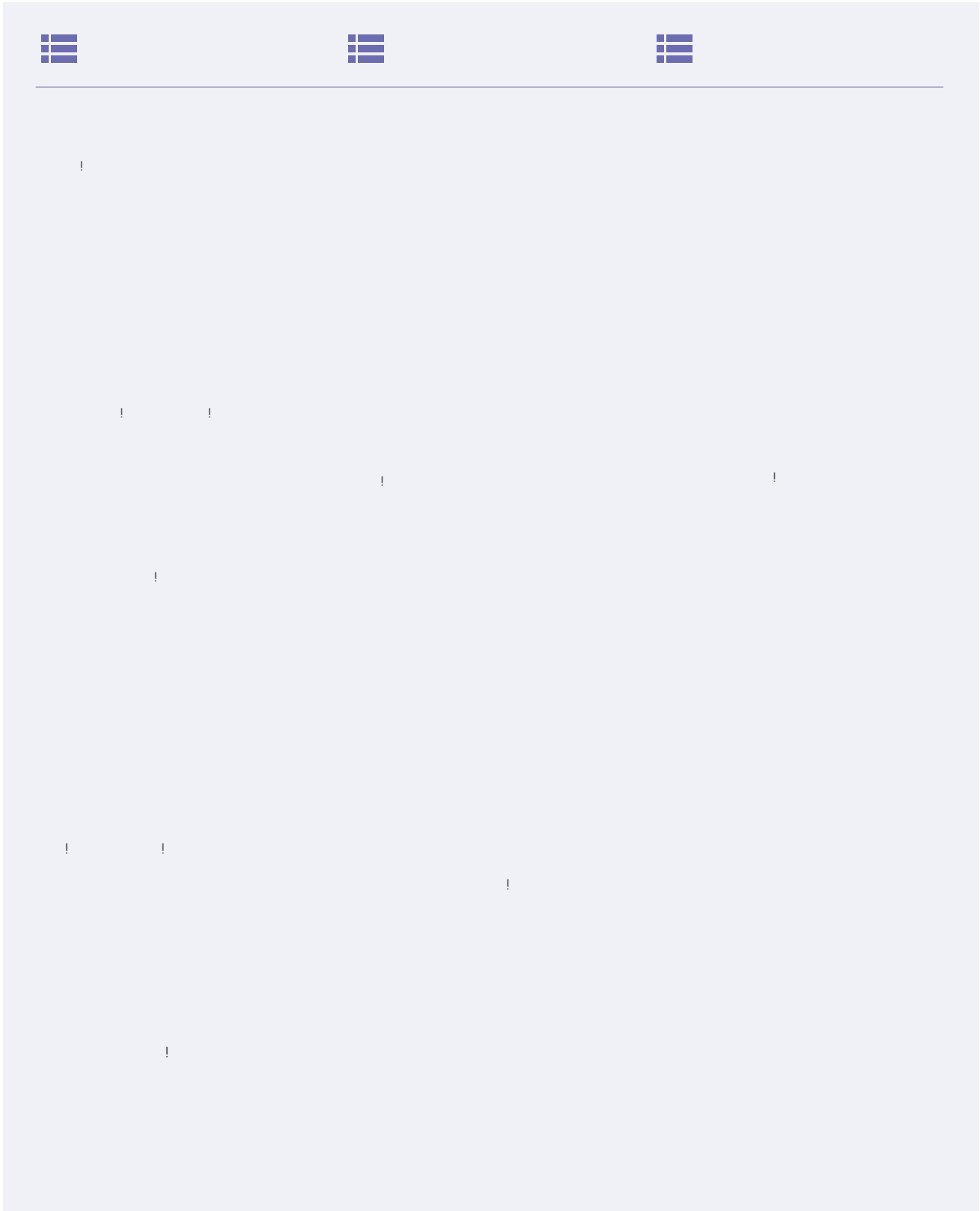
k

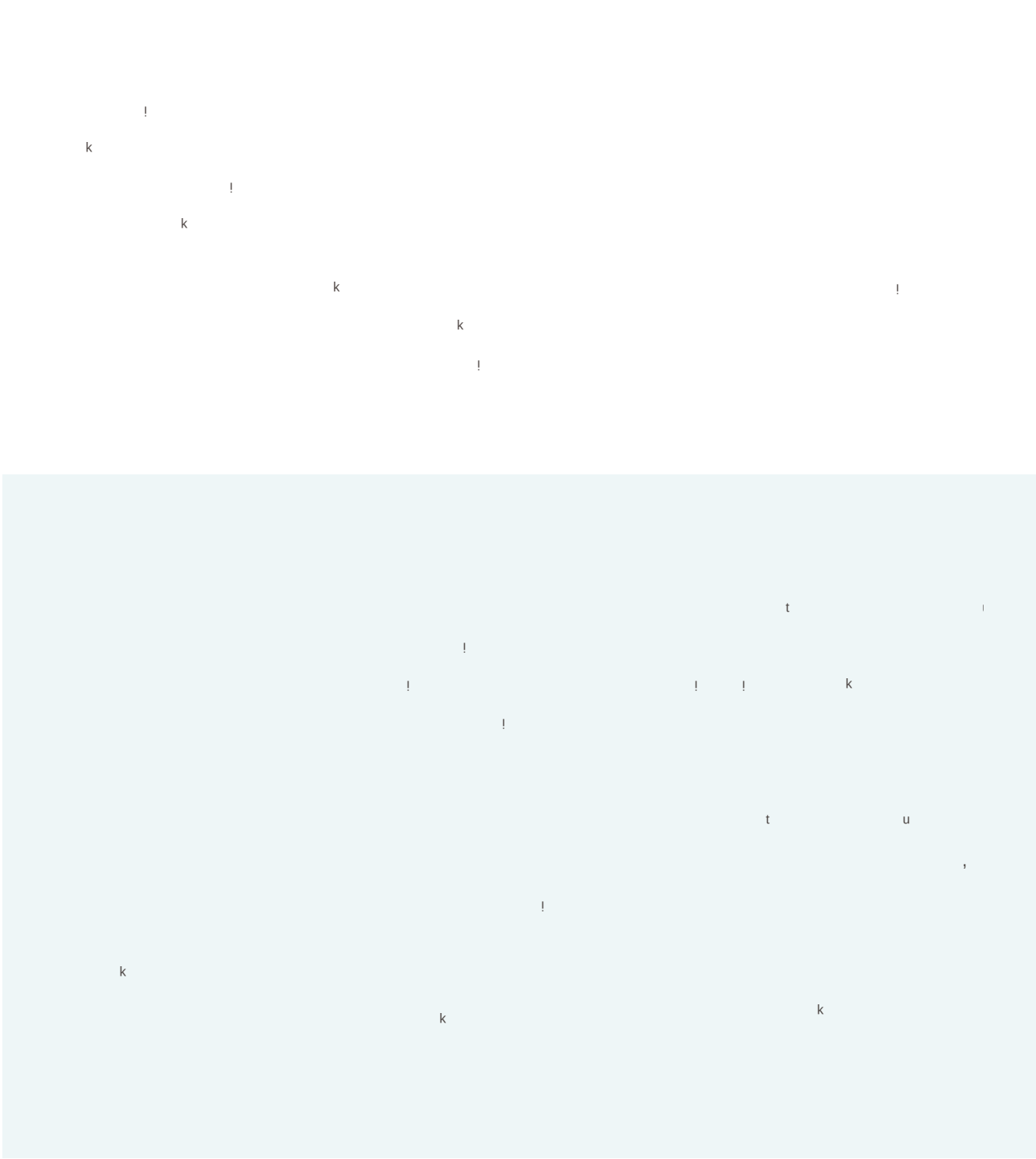
k





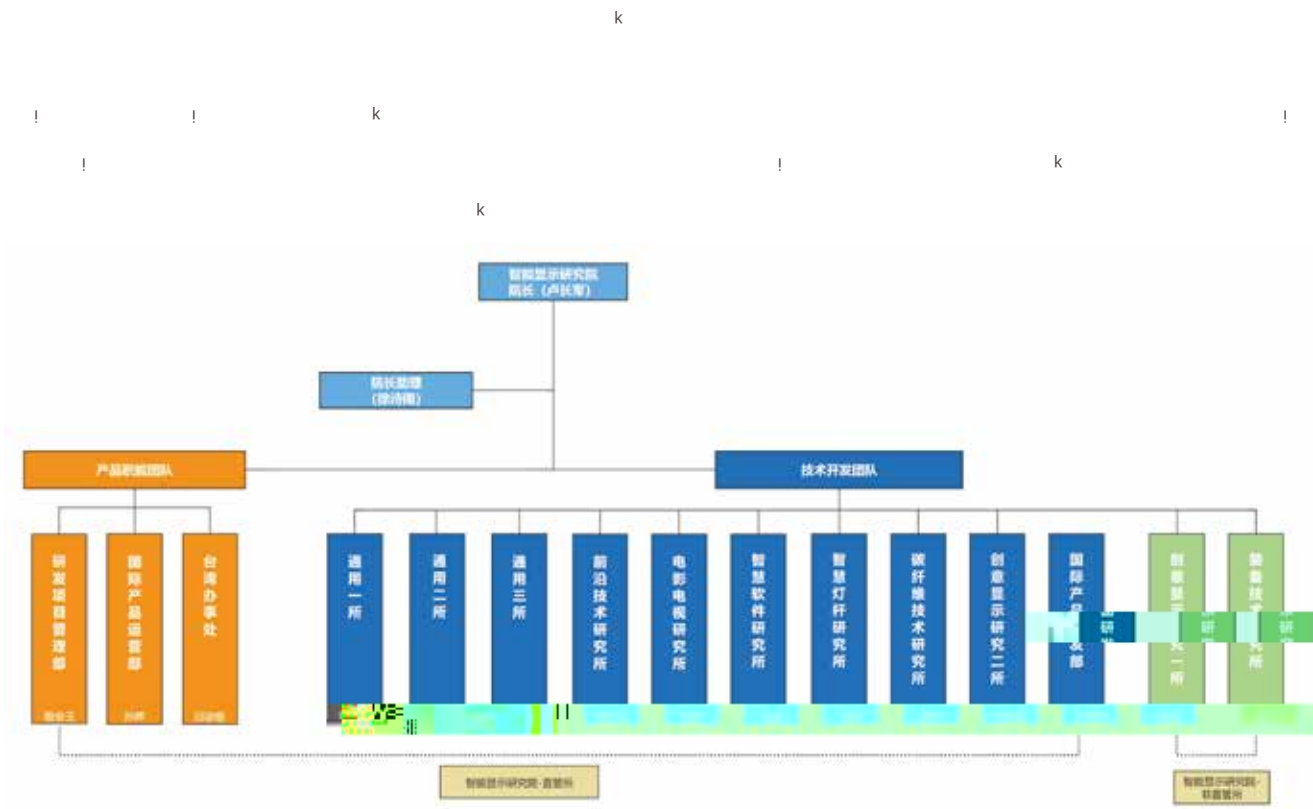
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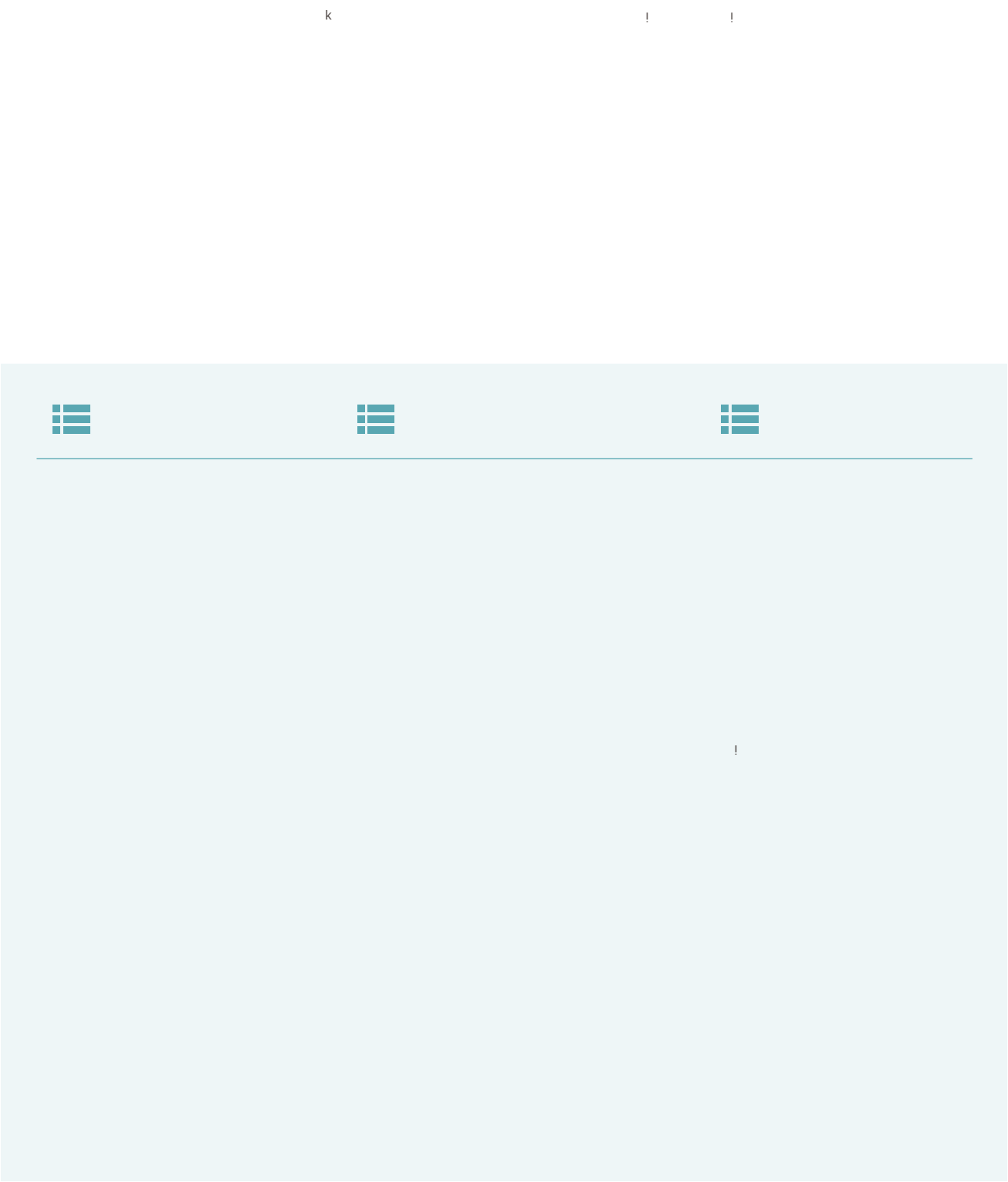
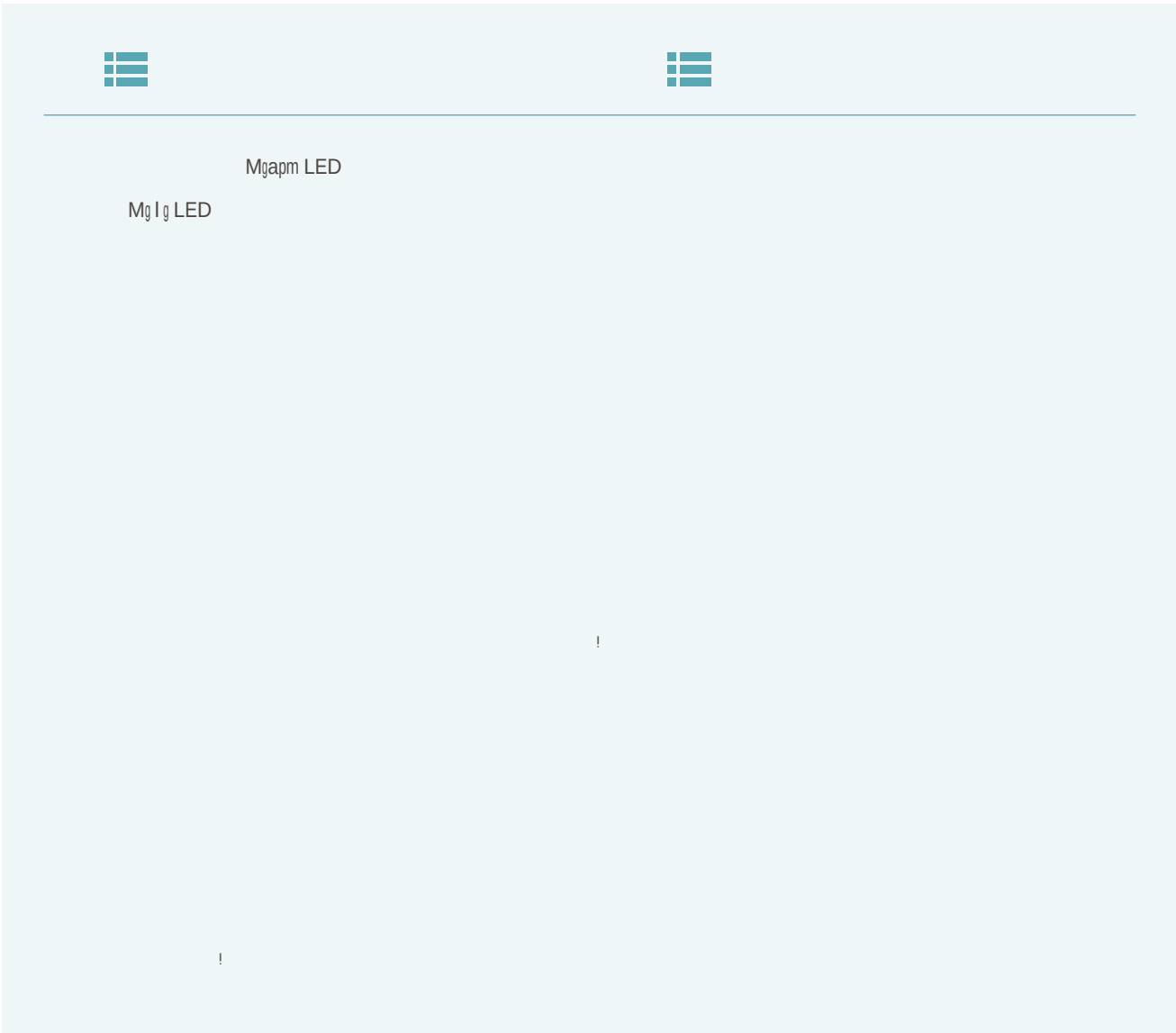


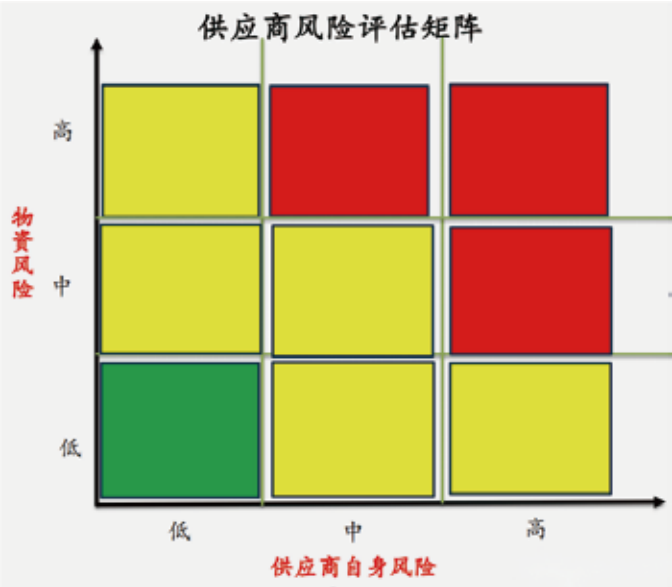
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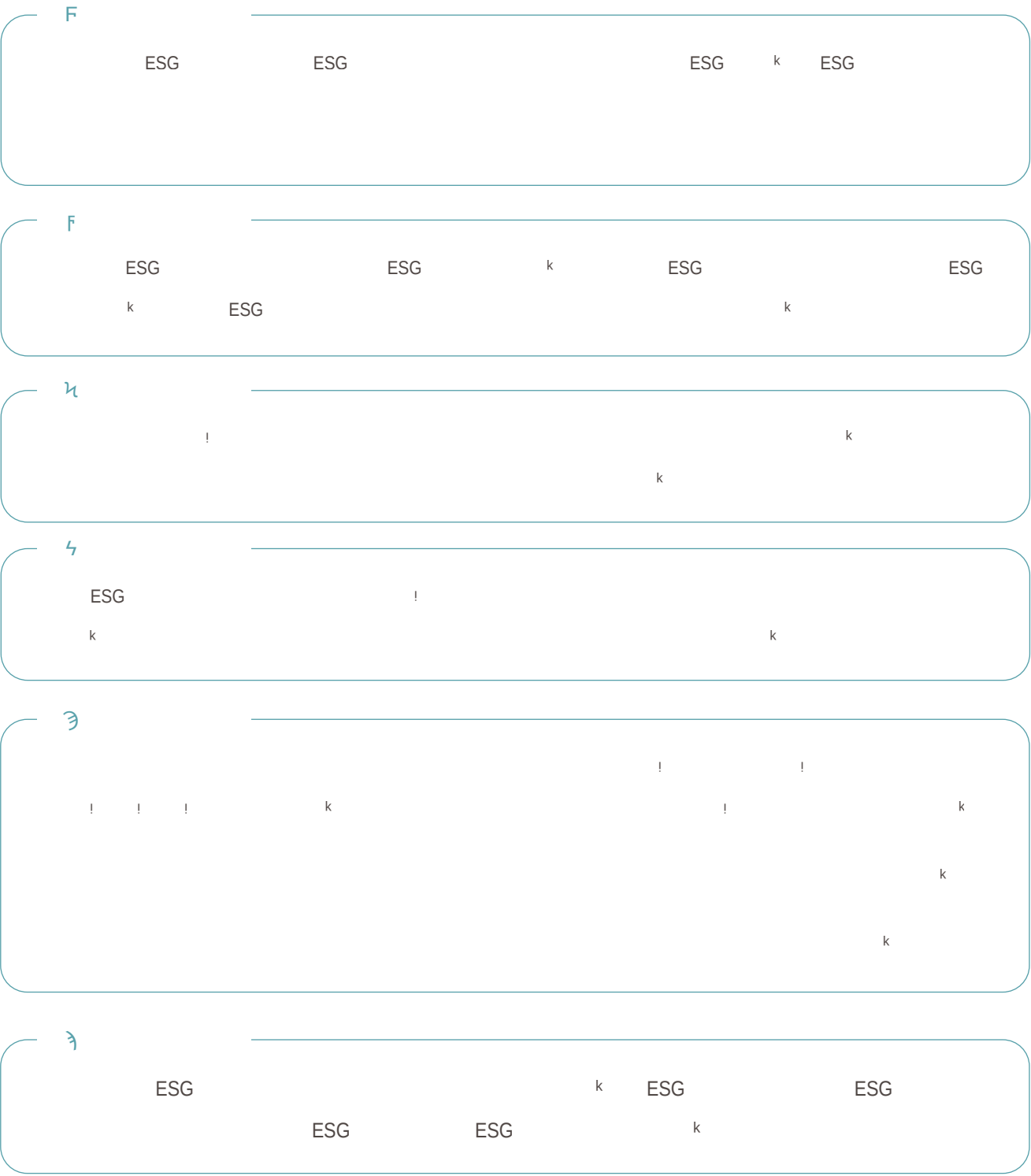


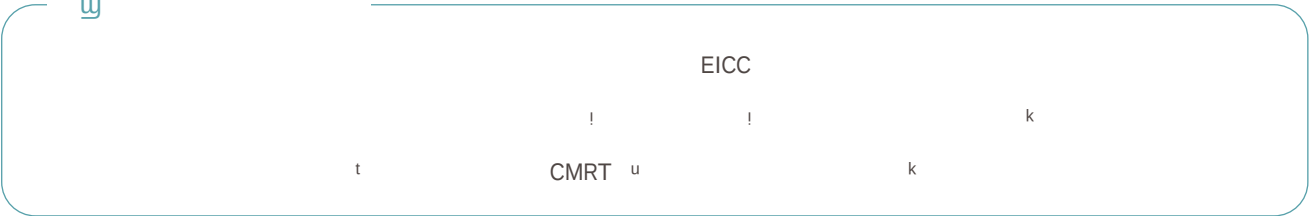
智能显示研究院-直管所

智能显示研究院-参股所



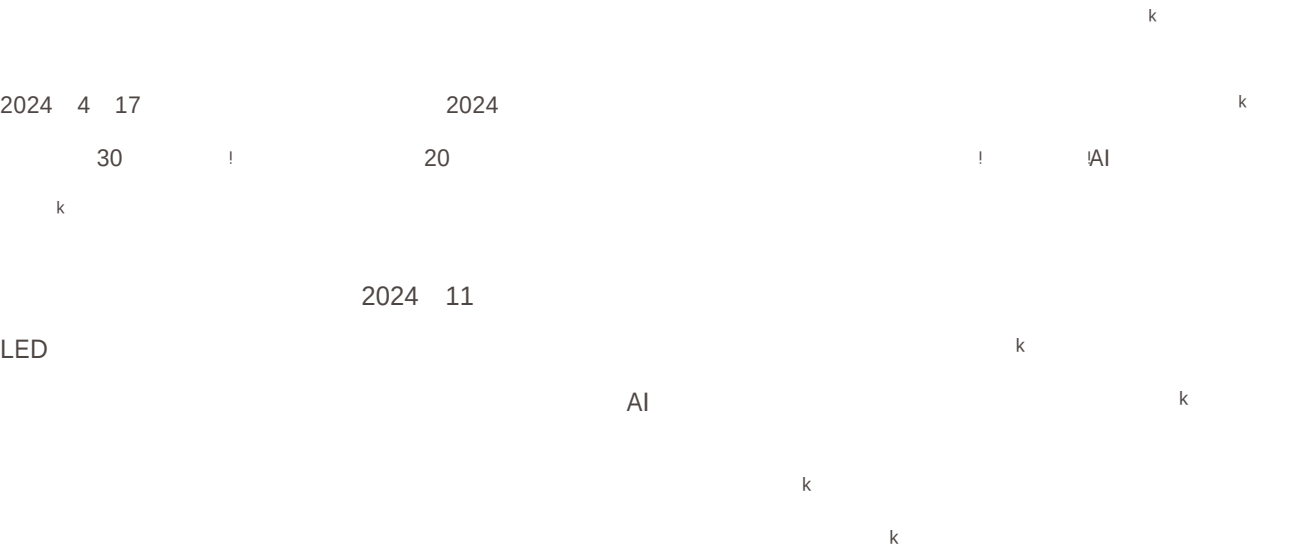




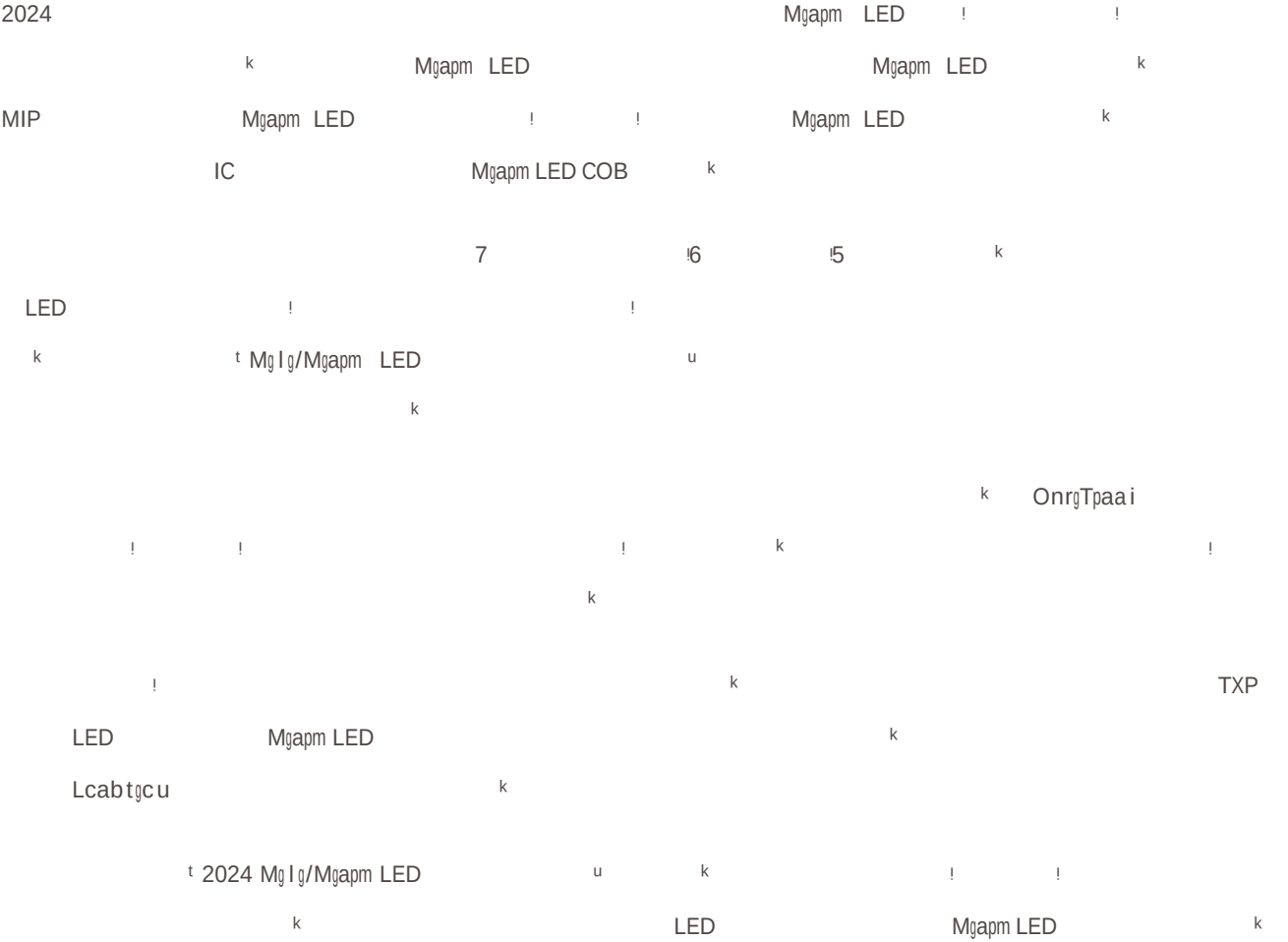


5.

5.1



5.2



1.

1.1

1.2

A 3D scatter plot with a fitted surface. The vertical axis is labeled '2024', the horizontal axis is labeled 'LED', and the depth axis is labeled '3D'. The plot shows several data points (small spheres) and a fitted surface (a larger, semi-transparent sphere). The surface appears to be a smooth, curved plane. The data points are scattered around the surface, with some points being closer to the surface than others. The axes are labeled with '2024', 'LED', and '3D' at their respective ends. The plot is set against a light gray background with a white grid.

1.3

The diagram illustrates the progression of ESG and AA ratings over time. Key elements include:

- Timeline:** Marked with years 2012, 2024, and COP29.
- ESG and AA Ratings:** These are the primary focus, with multiple instances showing their evolution or different states.
- LED:** A label that appears in the later stages of the timeline.
- Connections:** Lines and arrows connect the various labels, suggesting a flow or relationship between the different stages and concepts.

2.



3.

! ! k

! ! k

1995

29 k

50 17,000

1,000 k

! ! !

k

LED

! 2024 1

! ! k

8,000

4,000

350

40 20,000

! !

! ! ! 20

k !

! !

!

k



2024 6 13

k7 5

24 200 47

k

k

3031

k



“ ”

2024 7

! !

2015 3

k

k

!





2025

2024

ESG

ESG



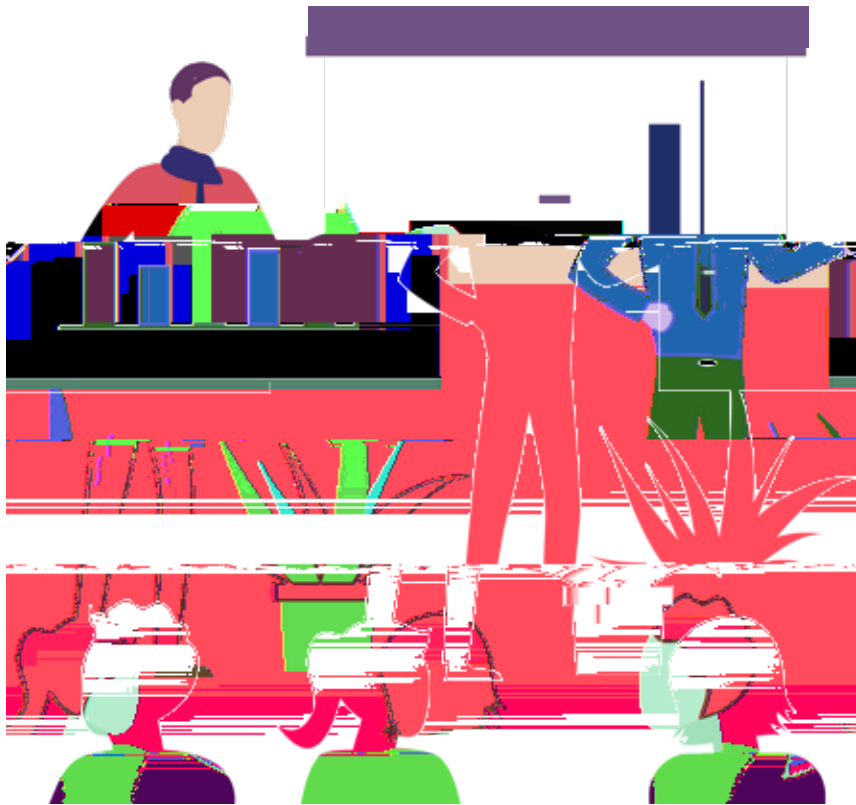
1.

2024			
			5
		%	2
			3
			2
			7
			13
			0
			1
			2
			4
			7
			15
			11
			452
			351
			15
			0
			4
			4.5
			49
		%	77
			92
		%	79
		%	

			732	70	49	199	485
		%	90	100	100	100	100

2024			
			61.4
			528
			453
			14
			167
			119.20
			20.84
			20.84
			98.36
			98.36
			5,917.25
			29,840.6
			150,420
			46,519,464
			2,681,169
			150,420
			2,531,337

2024		
		239,934.95
		0
		239,934.95
		239,934.95
()		59,087
(! !)	%	0
		174,915.76
		239,934.95
		59,087
	%	24.63
		30,953.26
		367.65
		30,585.60
	/	4.33



1

2024			
		%	100
			4,660
			2,907
			1,753
30			1,199
30 50			2,108
50			353
			11
			263
			1,666
			1,109
			1,611
			76
			5
			71
			55
			21
		%	14.40
			570
			27,305
			149,088
			200.6
			848.2
			1,606.7
			1,638.8
			1,532.2
			1,630.5
			990



4

2024			
			40,363.75
		%	5.65
			979
		%	20
			442
			2,109

5

2024		
		110
		50
		8
		24.49
		0
		0
		197.62

2

t			17
u			
			/
			/
		/	
		!	
		!	
		/	
		!	
		!	
		!	
		!	
		!	
		!	
2025			/
		/	
		/	
		/	
		/	

3.

2024年度环境、社会、治理(ESG)暨社会责任报告

1. 2024年度环境、社会、治理(ESG)暨社会责任报告

2. 2024年度环境、社会、治理(ESG)暨社会责任报告

3. 2024年度环境、社会、治理(ESG)暨社会责任报告

4. 2024年度环境、社会、治理(ESG)暨社会责任报告

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