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45

04

48
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62
66

05

70
74
77
79
80

85
97
103
104
105



“ ” “ ” “ ”

4 30

4



2024 1 1 2024 12 31



“

2025 4 23

—ESG

2024 2026 2027 2030

2030



SGS AA1000 V3 AA1000AS V3 104

ESG

GRI

AA1000



(GRI Standards)

(GSSB)

ISSB

1 —

IFRS S1
IFRS S2

2 —
ISO 26000 2010

4 —
UN SDGs

2030



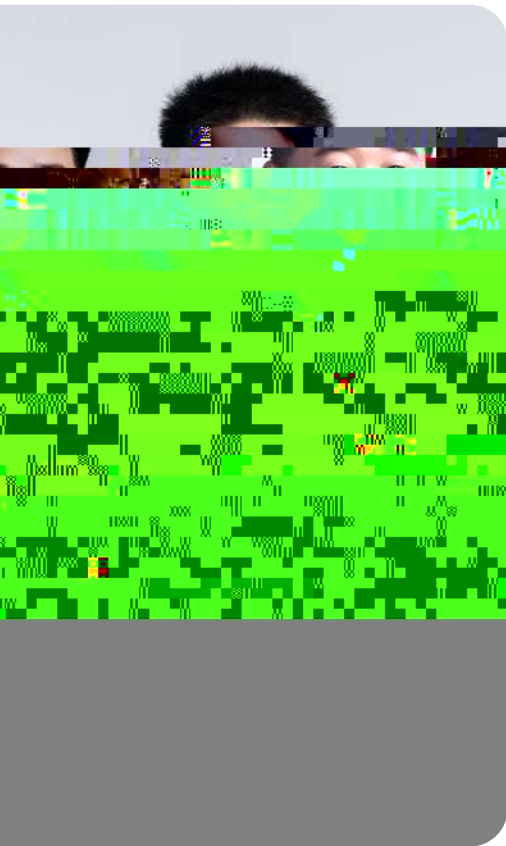
ESG



<https://www.huaqin.com>

esg@huaqin.com

021-80221108



Signature

ESG

CEO



2005
2023 8 8
603296

“ ”

100+

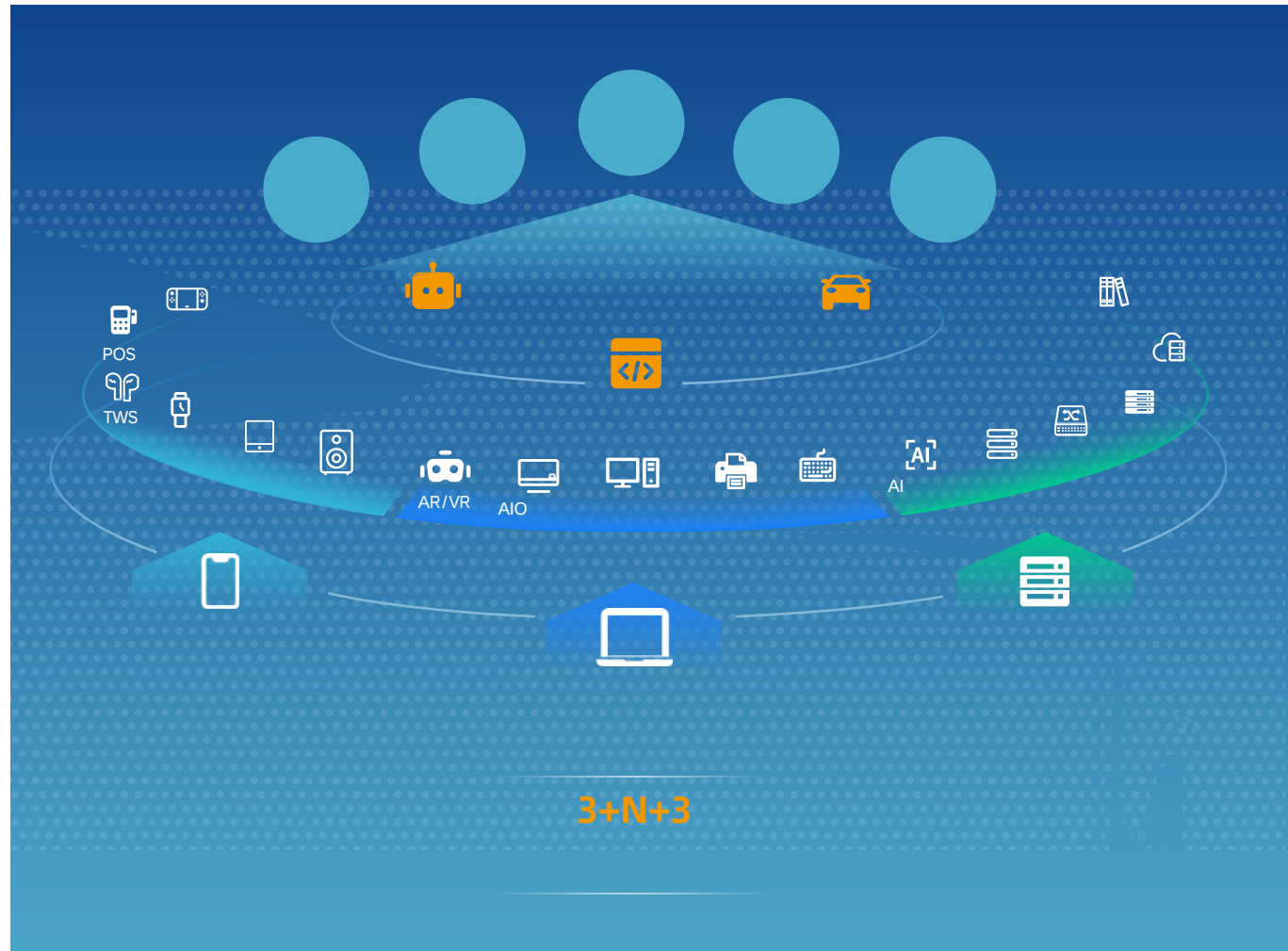
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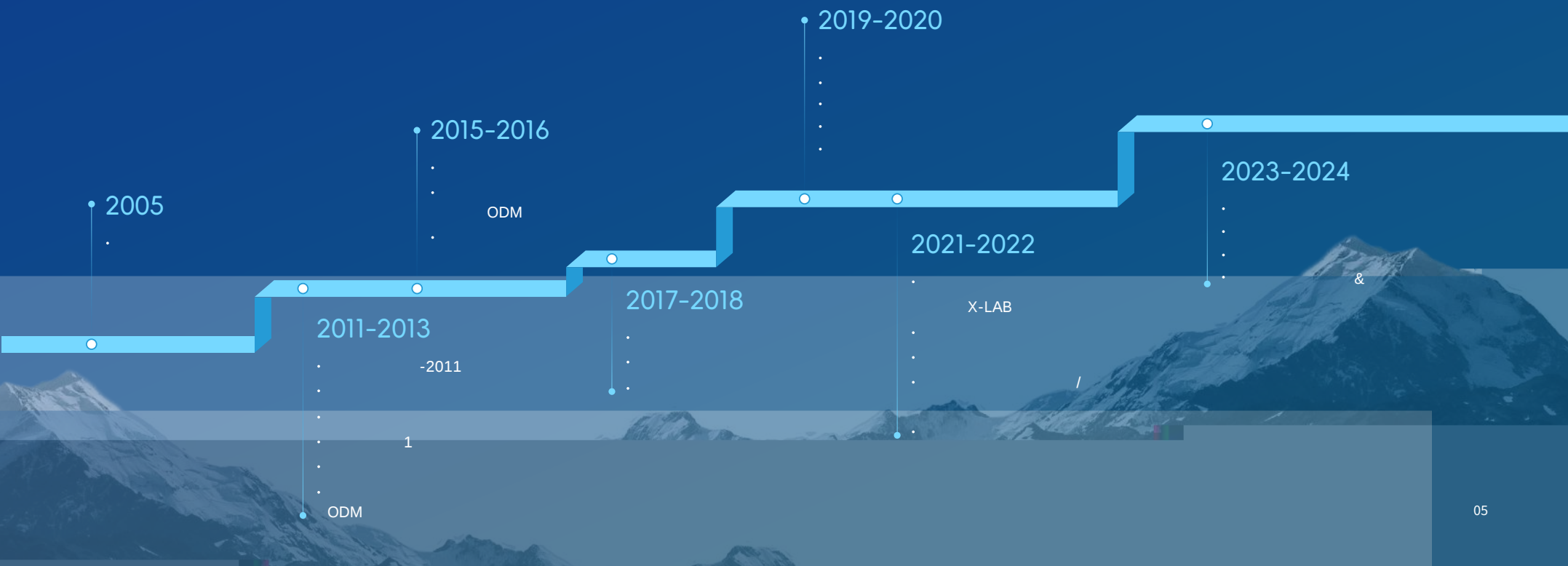
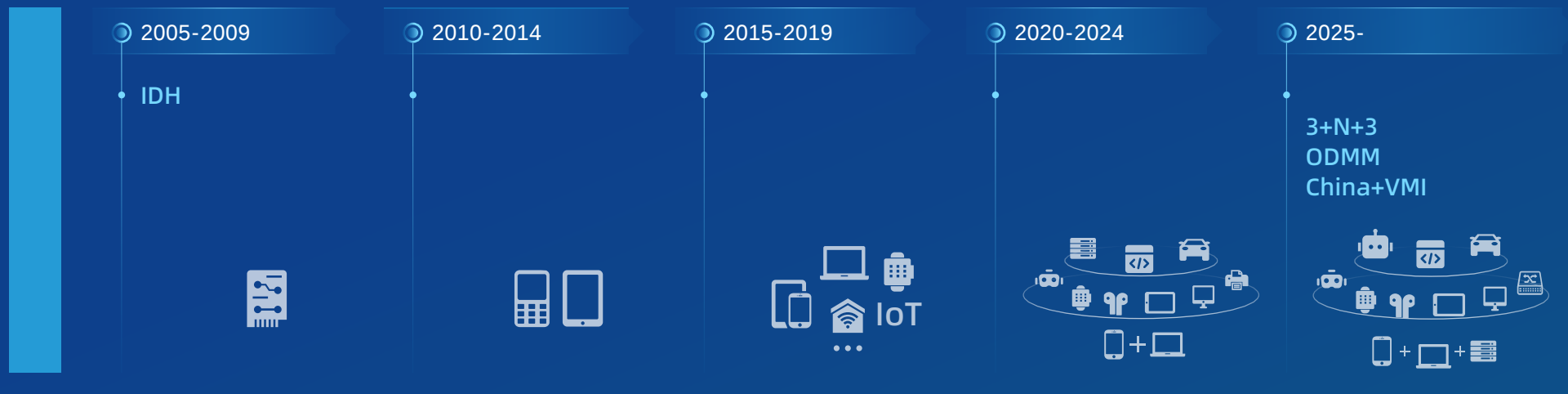
“ 3+N+3 ”

“ 3 ”

“ N ”

“ 3 ”







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316
28.42
2

16.29%
1.013
15.11%
98.5%
UL 2799

10
100%
12
0
0



5,950
32
100%

100%
ISO 9001
100%
100%
1,330
1,798

97.6%
1,567.98
111.65
0
0
1,869

100%
0

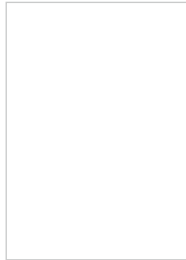
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2024
500 231



2024
50



500 116
500 76



2024



2025
ESG50



MSCI ESG
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2024 EcoVadis



CSA 44
40%



Wind ESG
AA



ESG
AA

• 2024

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ESG

• Wind 2024
ESG

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ESG

ESG

• ESG

ESG

2024

• DHR
2024

• 2024

TOP

• 2024

01



ESG

ESG

ESG

16
19

19

16

SDGs



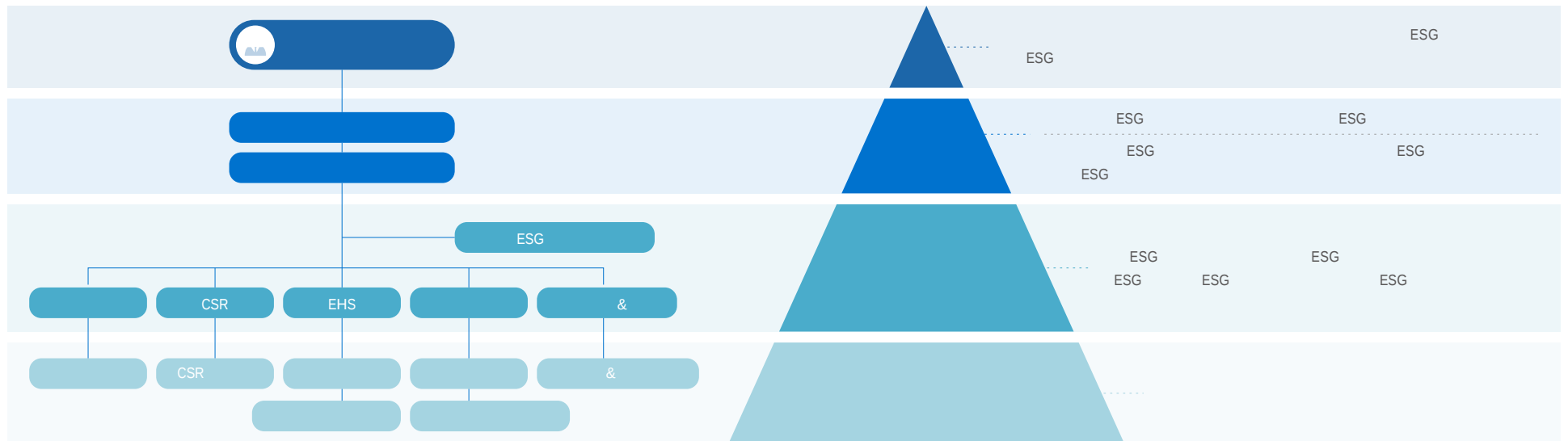
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<https://www.huaqin.com/>

ESG

ESG

ESG

5%

ESG

&CSO

20%

ESG

ESG

ESG TOP10

ESG

esg@huaqin.com

ESG

							
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	• ESG / / / • / / • • • E • • • •	• / • / •	• / / • • ESG /	• QBR • •	• / / • • • • /	• • • • / •	• / • / / • ESG /
	• • • TOP10 ESG ESG • ESG	• ESG ESG TOP10 •	• “ ” • • RMI¹ OECD² RBA³	• • QBR⁴ •	• • KMS TUP • • RBA • EAP Employee Assistance Program	• • •	• • •

1 Responsible Minerals Initiative

2 Organization for Economic Co-operation and Development

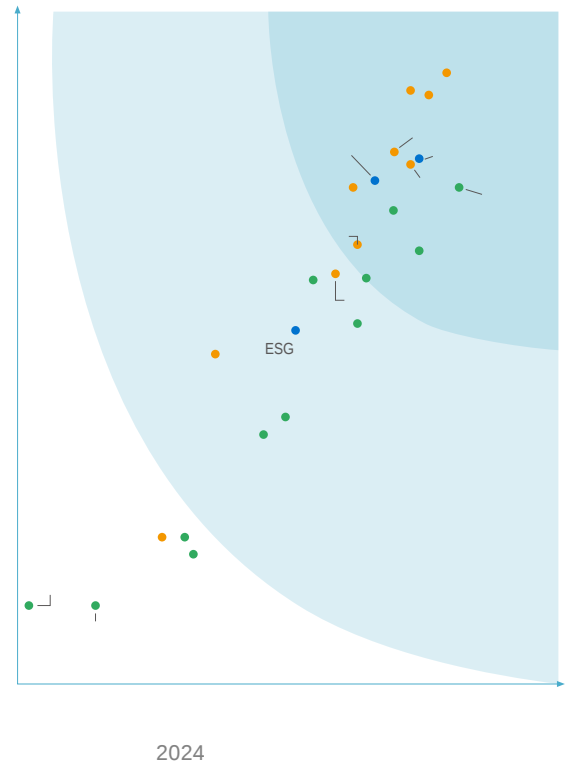
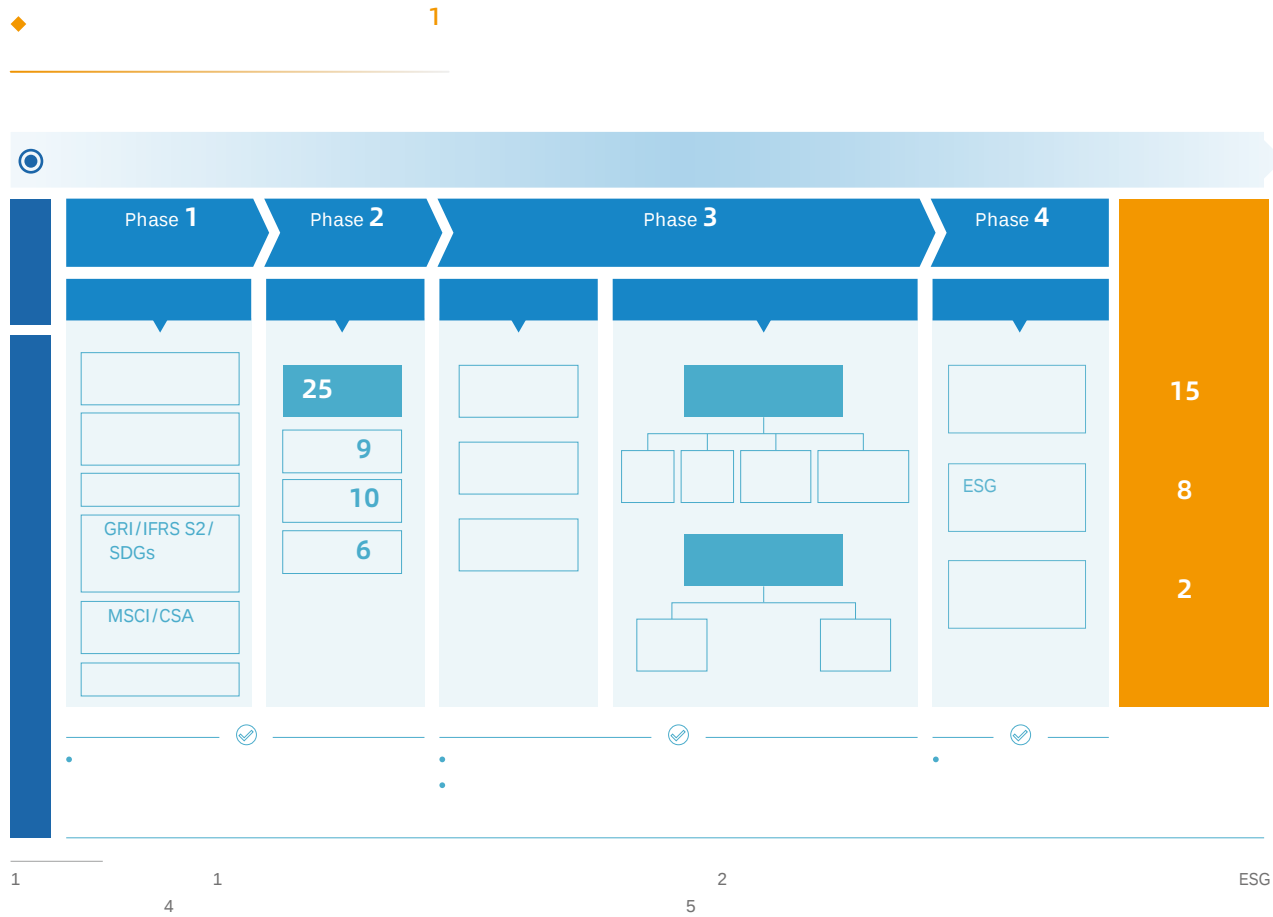
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4 Quarterly Business Review

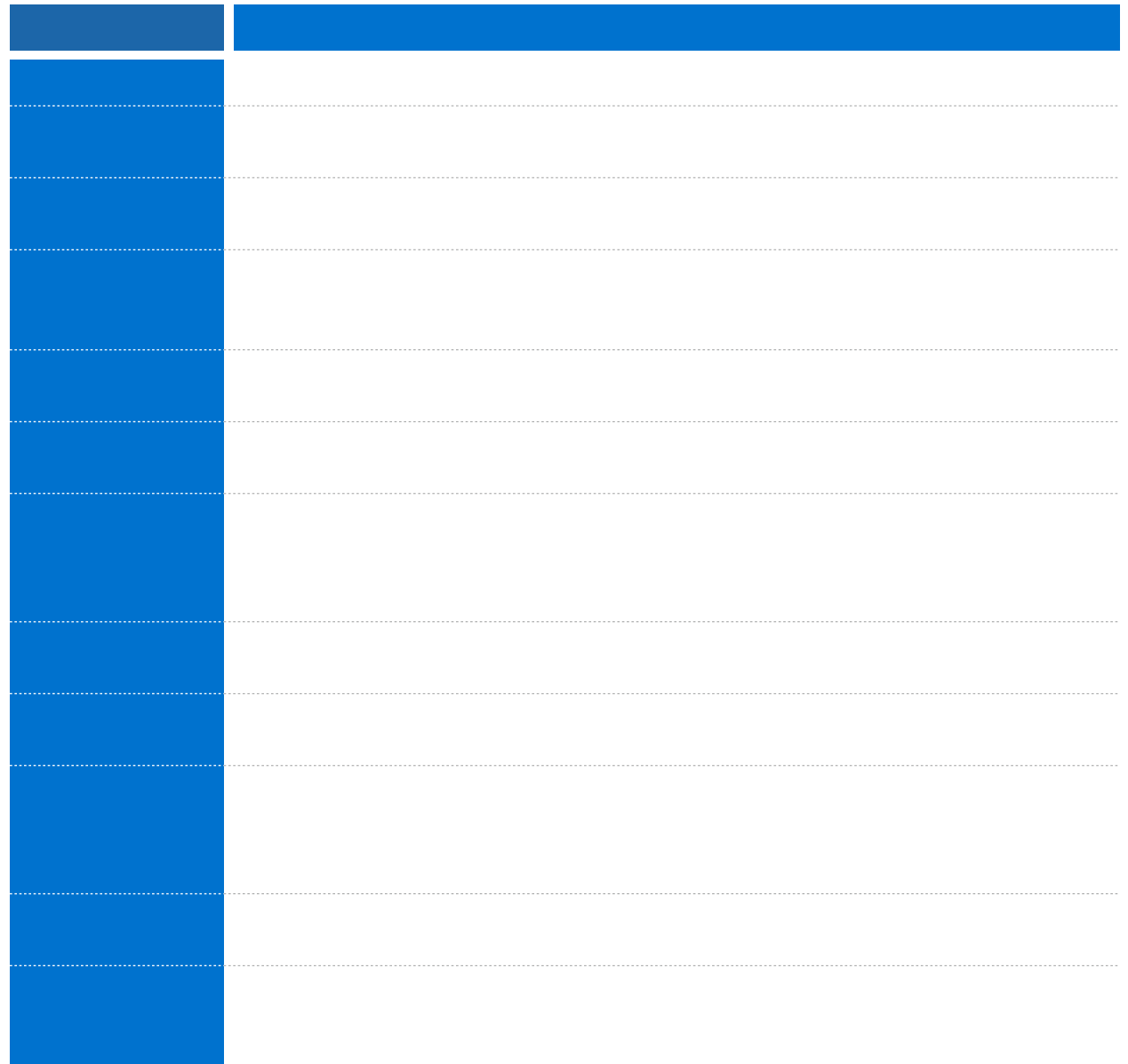
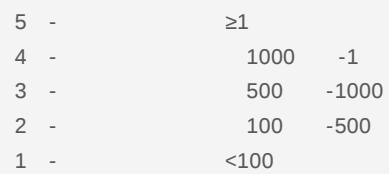
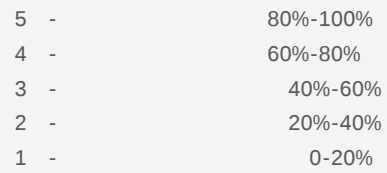
2021 GRI3 Material Topics 2021
IFRS S1

GRI 2021 GRI3
1
14
ESG

“ ” ESG “
11
345



Light Blue	Dark Blue	Dark Blue	Dark Blue	Dark Blue
Light Blue	Dark Blue	Dark Blue	Dark Blue	Dark Blue
Light Blue	Light Blue	Light Blue	Dark Blue	Dark Blue
Light Blue	Light Blue	Light Blue	Light Blue	Dark Blue
Light Blue	Light Blue	Light Blue	Light Blue	Light Blue



 $\ast_+$

1-

15

8

2

ESG

02

Huaqin Technology Sustainability Report 2024



+

UN SDGs





A



2028

28%

33.3%

22.2%

33.3%



2028

90%

95%



100%

100%

100%



100%

100%

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ESG

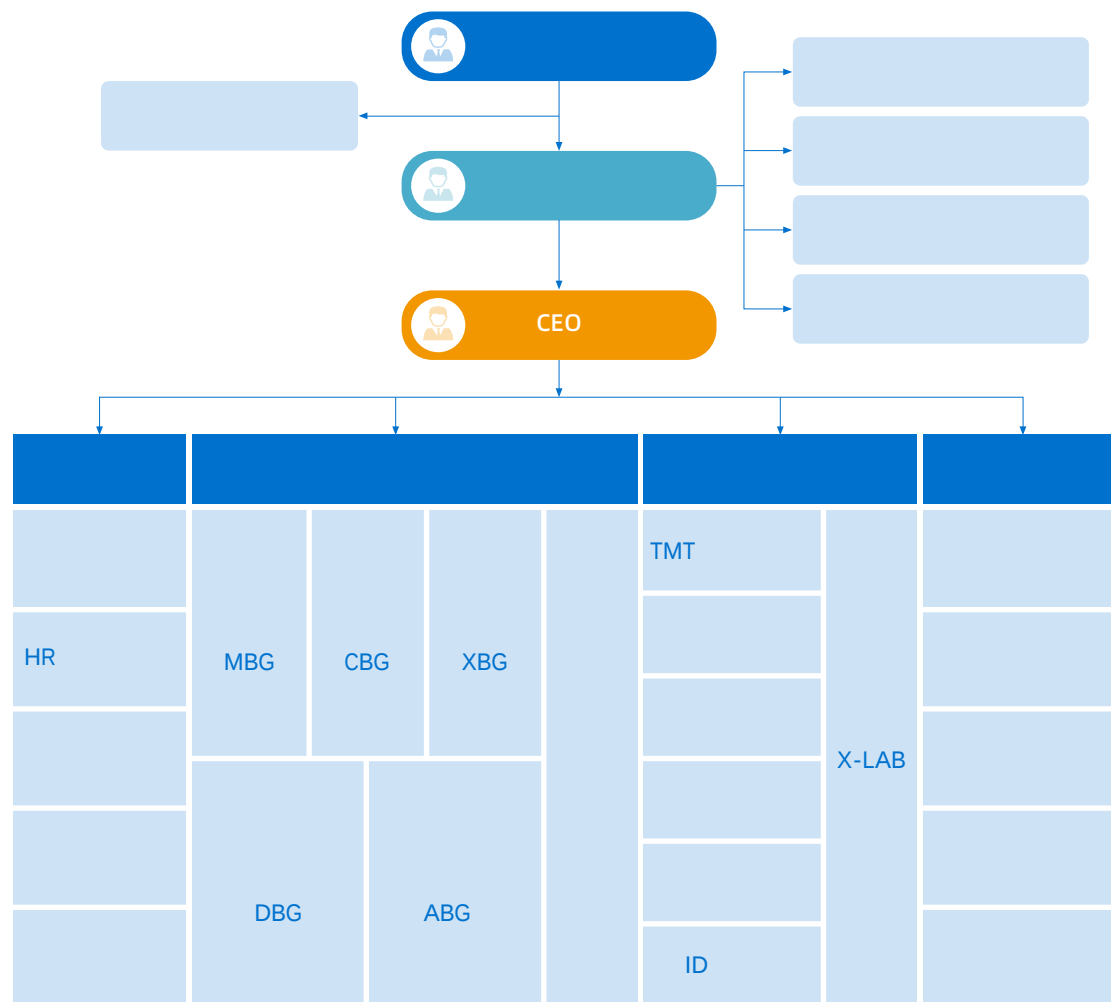


• ESG TOP10

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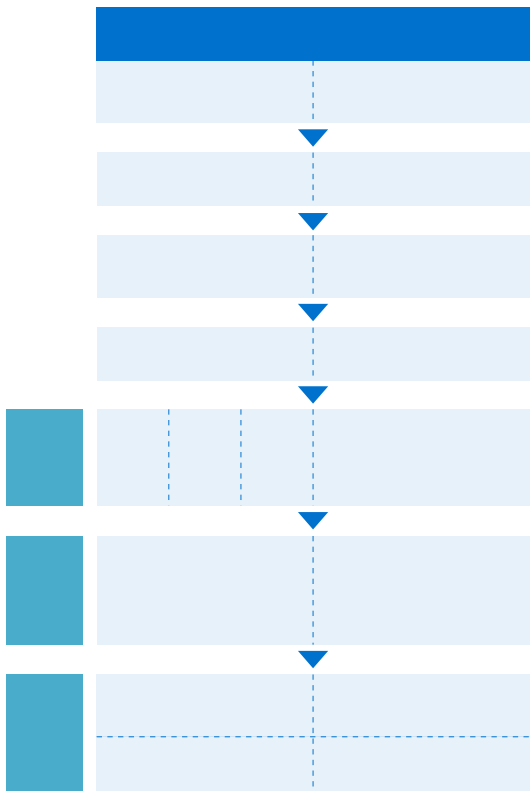
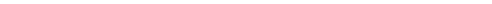
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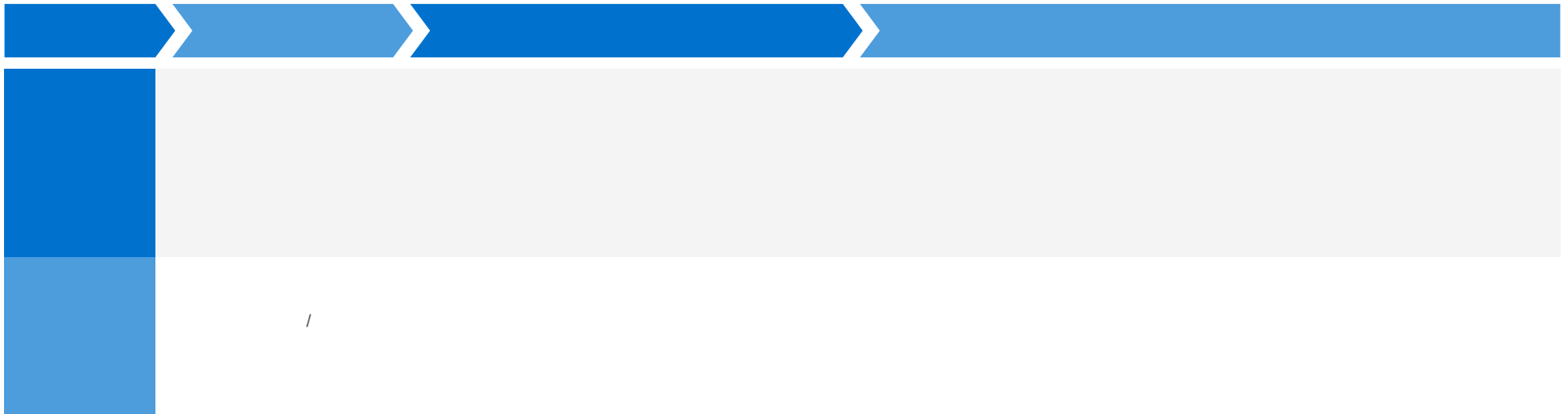
121362



COSO ERM-2017

1-5

1-5



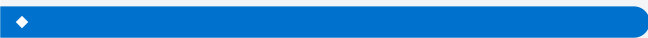


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report@huaqin.com
18516617679



100 % 0

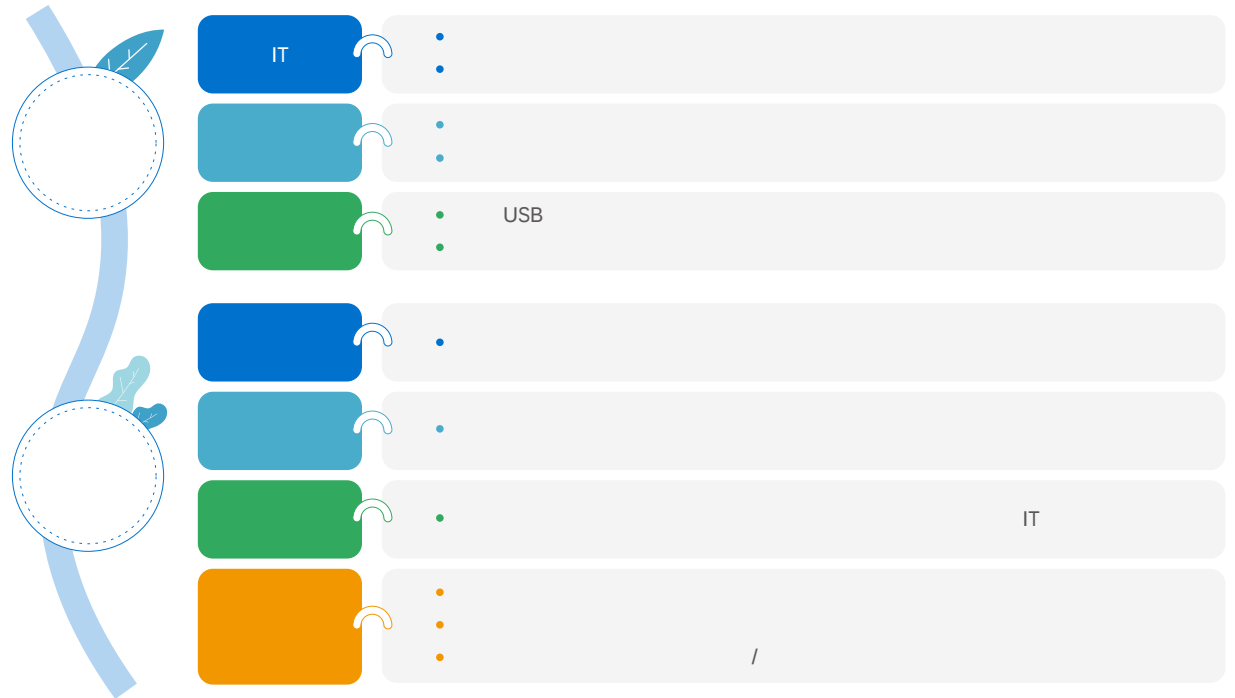
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0 0 0

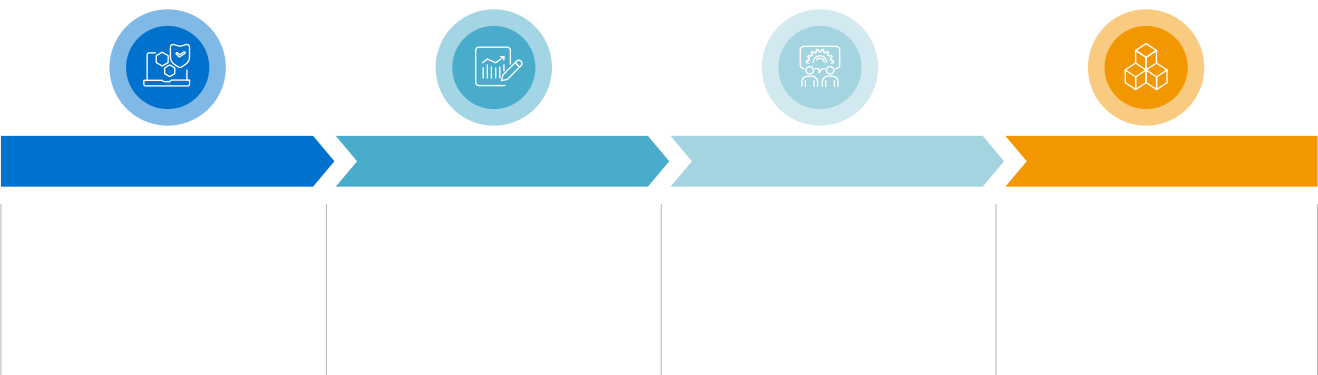
OECD II



ISO 27001

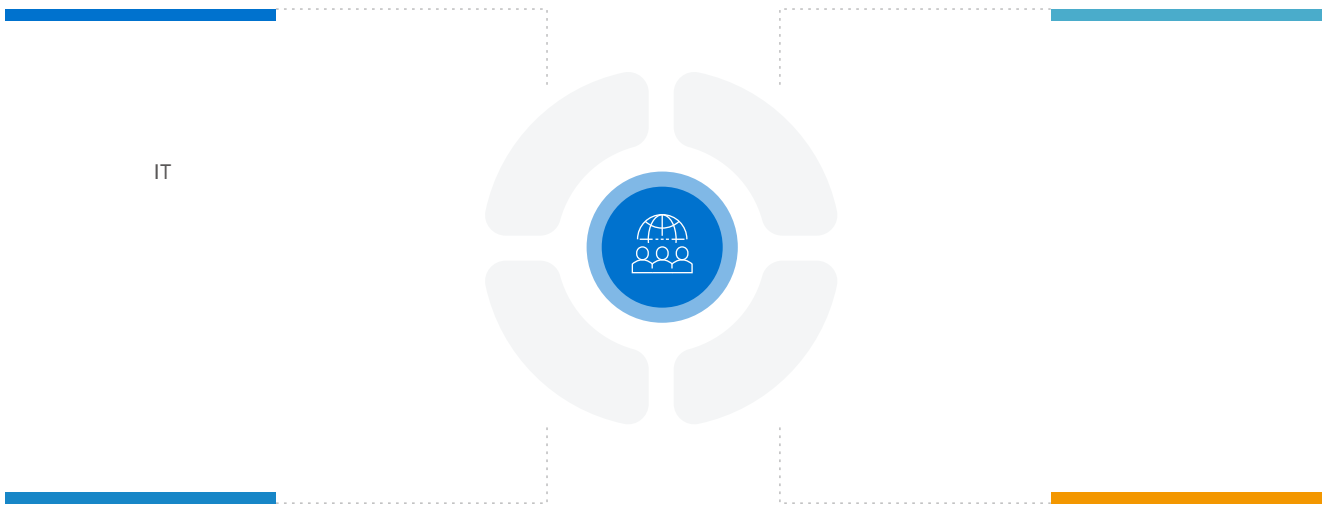


◆			
5	9	12	35
12	59,814	100	%

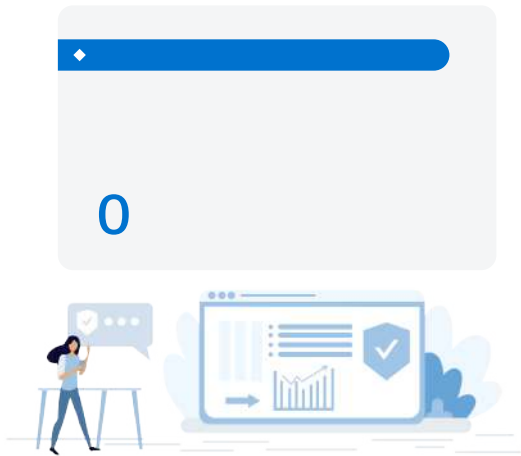


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IT



03



UN SDGs





2030

+

2050



16.29%

2023

2030

3%

2028

40%

15.11%



2024

2028

1.013



5

2026

100%

10%

2 /

1.8

54.84%



0

0

0

0



2026

98%

98.5 %
100%



2023

2028

5%

2024

2023

6%



ESG

EHS

ISO



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ESG TOP10

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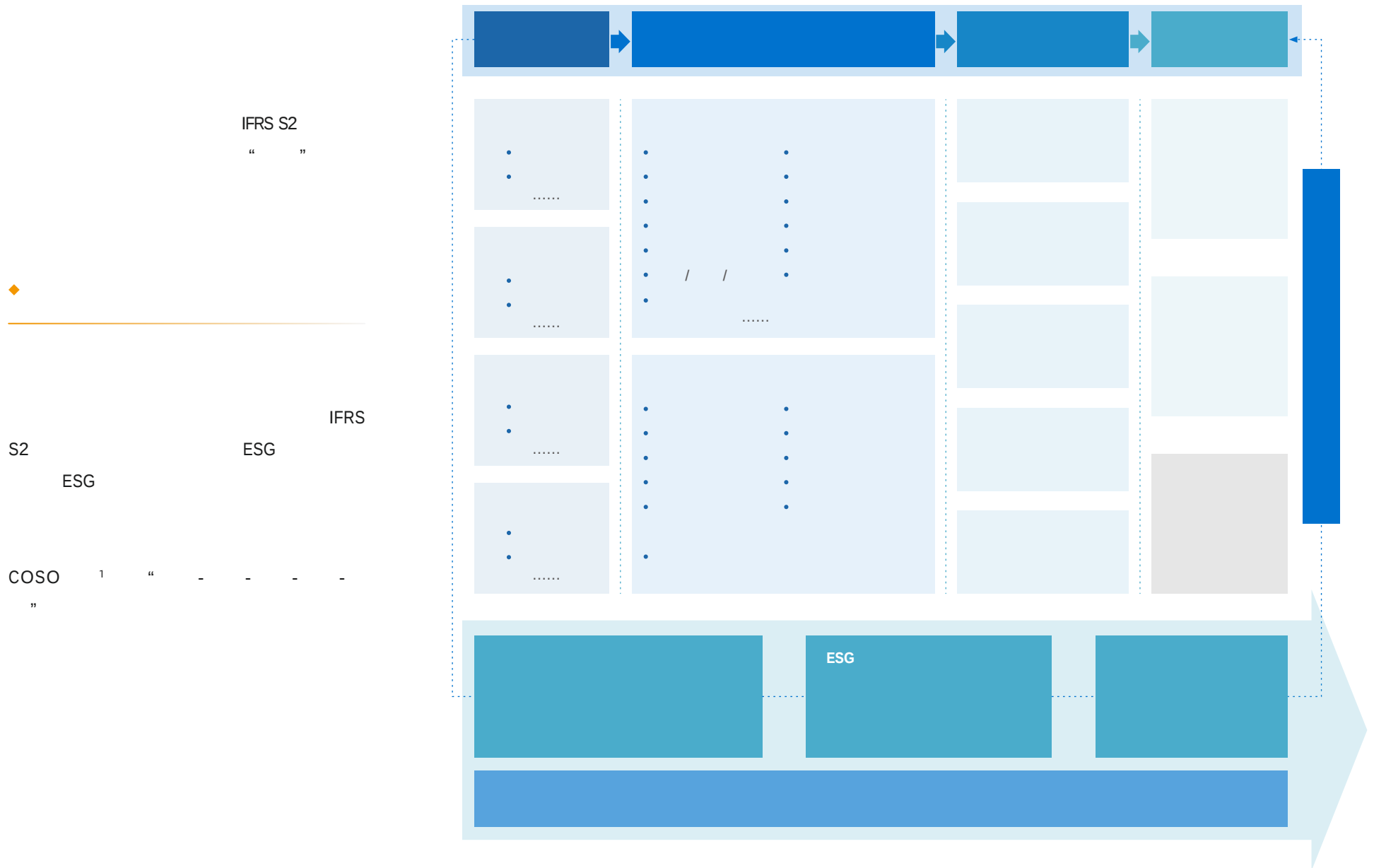
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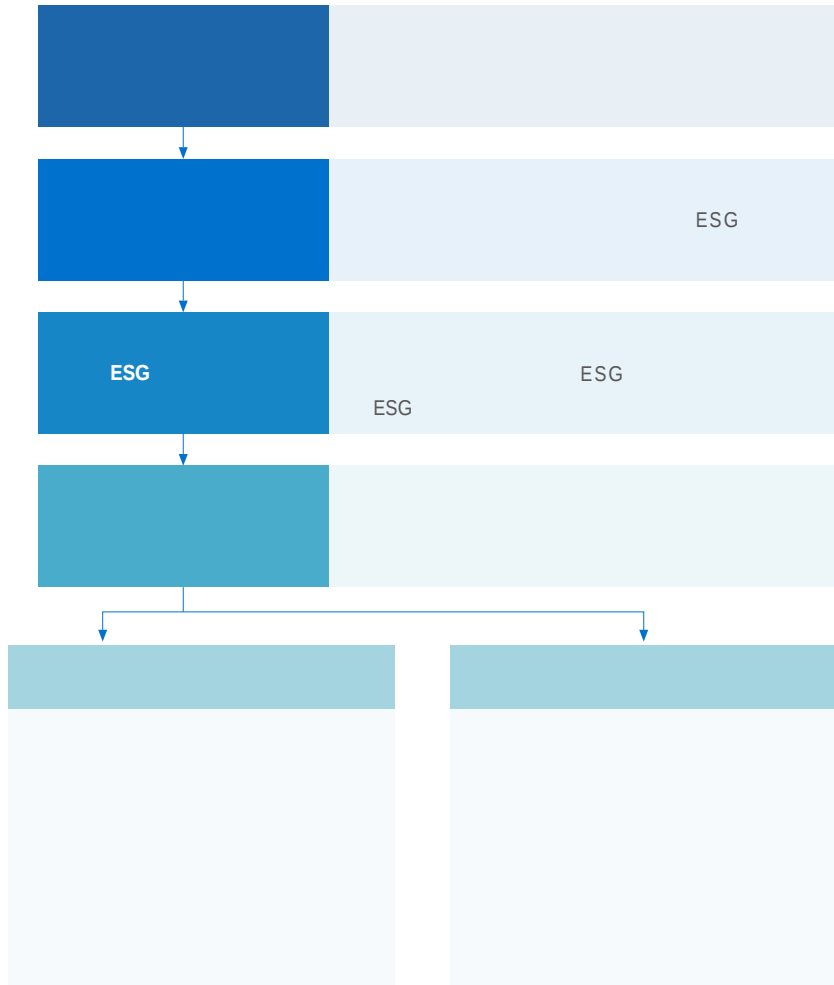
2024

7

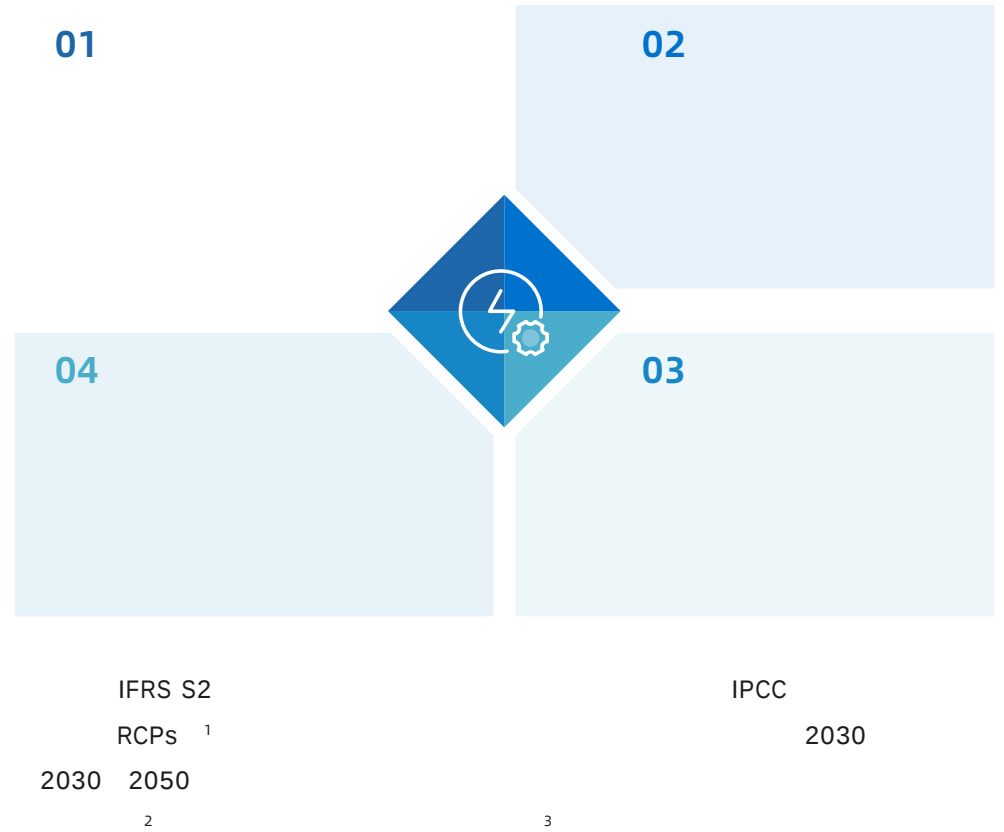
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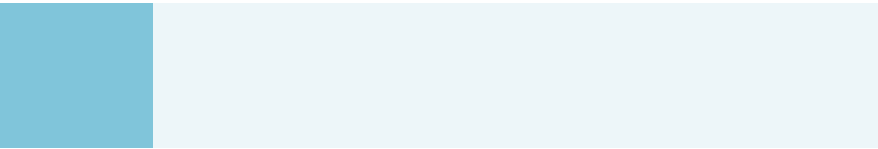
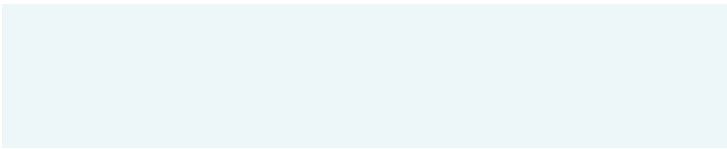
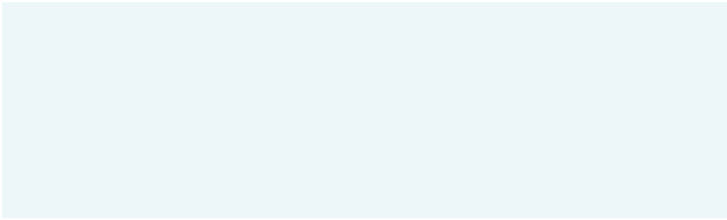
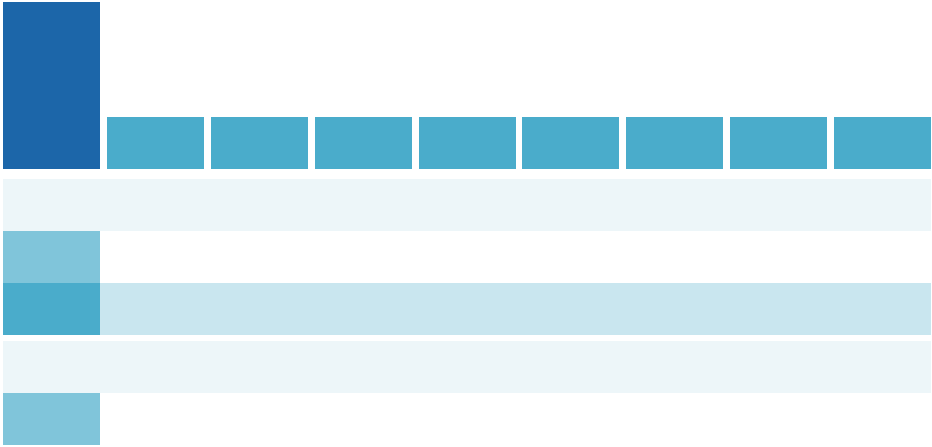


ESG

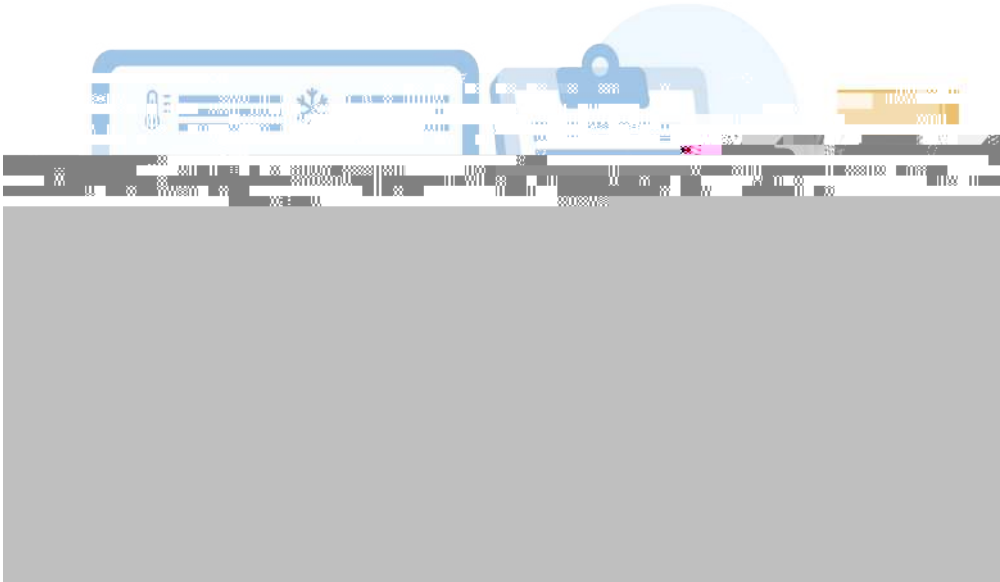


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2 8
3



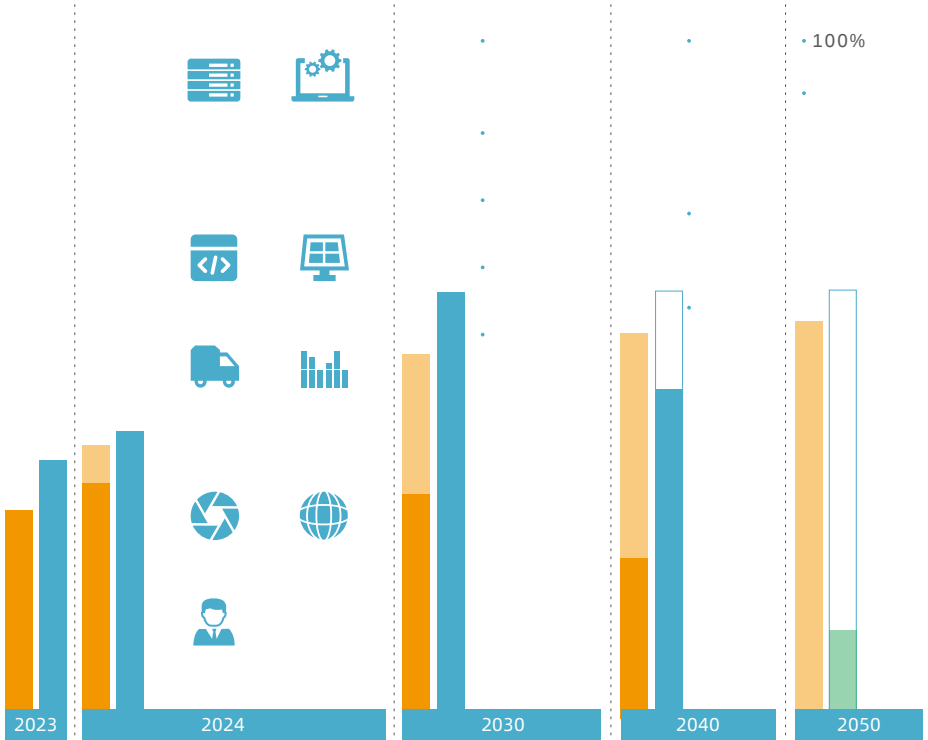


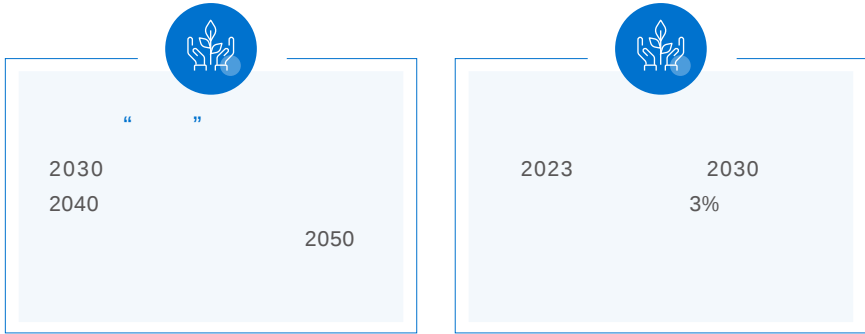
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44 39

9





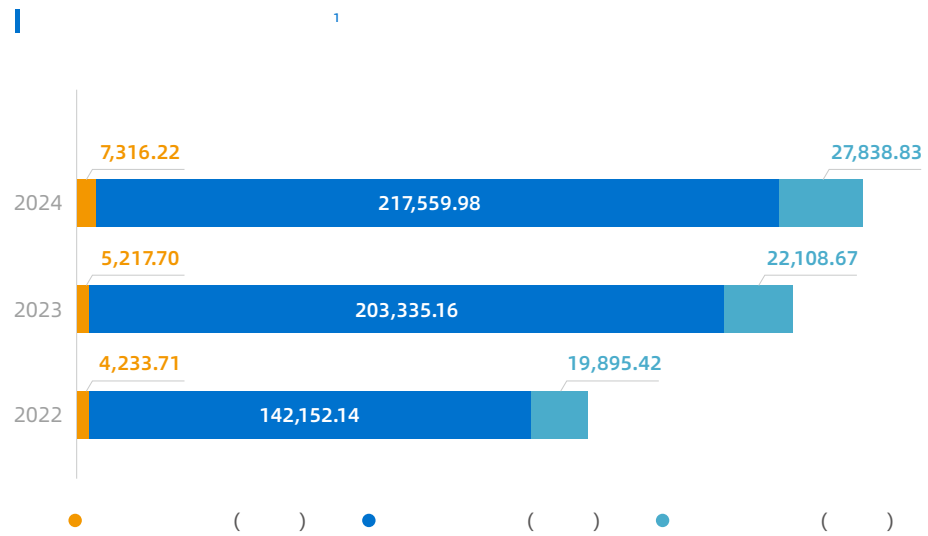
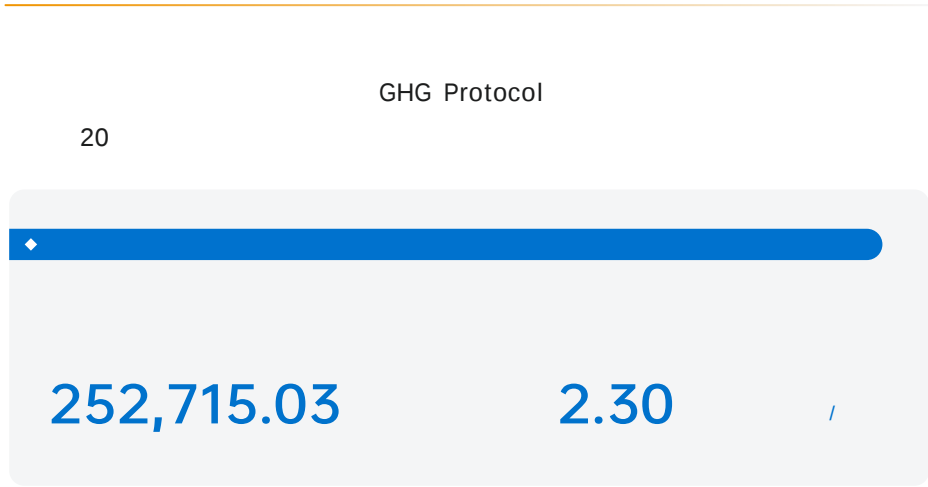
10 17 2024 ICT
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300

“碳” 寻绿色机遇 共赴 “零碳” 未来

华勤 祝荣辉



“ ” “ ”
” “ EHS 2026 ”

ISO 14001

“ EHS 2026 ”



ISO 14001



3,374



COE

ISO 50001

“ 5 ”

1,523.14

316

2,212.42

1,013



10

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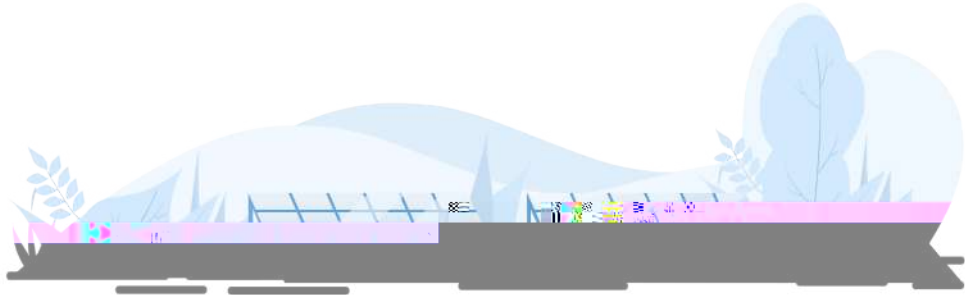
10

100 /



			2024	
		101	310.66	1,383.40
		13	348.08	1,437.40
		198	1,254.20	6,084.17
		4	299.48	1,615.68
		316	2,212.42	10,520.65

2024



5,656.01



7,972.45

15.11 %

8

28.48

2,316.44





	WRI() “ ”
	PCW
	10% 25%



-
-
-



东莞华普精密技术有限公司
水平衡测试报告书
(单位稿)

用水单位: 东莞华普精密技术有限公司
测试时间: 第二次
测试地点: 东莞华普精密技术有限公司
测试日期: 2024年11月
报告编号: 8879-2024-0001-1111

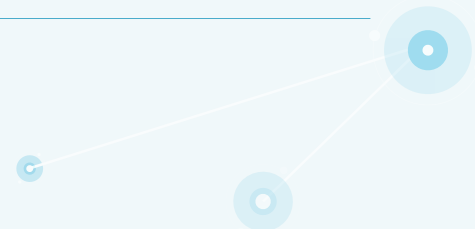
85,693.00 / 903.00 /
98.96%
77,531.43 /
99.66%

COD

BOD



-
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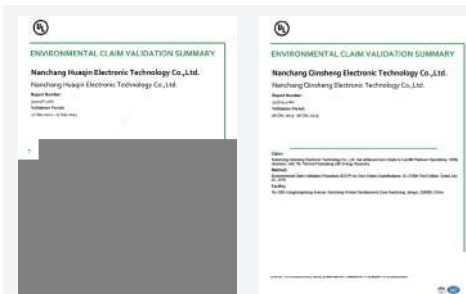




42,304.33 98.5 % 0



UL 2799
100%
7%



UL 2799

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2

1.8



2024

54.84%

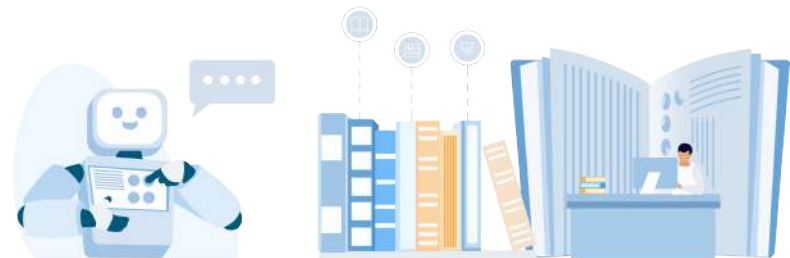


2024

7*24

7,798

730

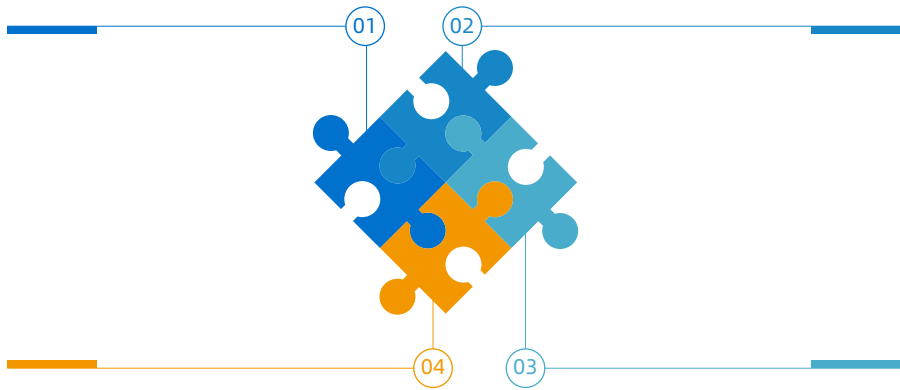
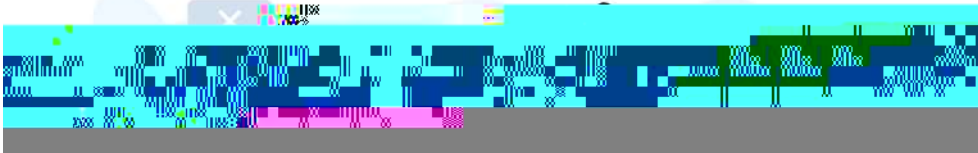


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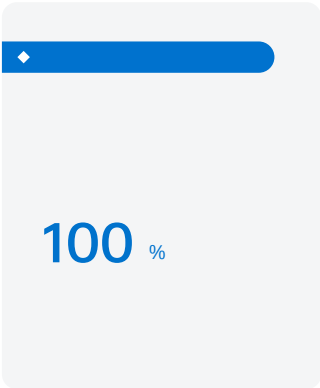


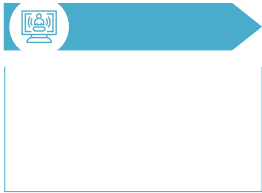
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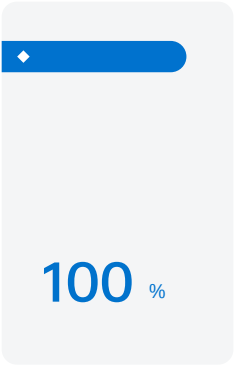


• TCO EPEAT
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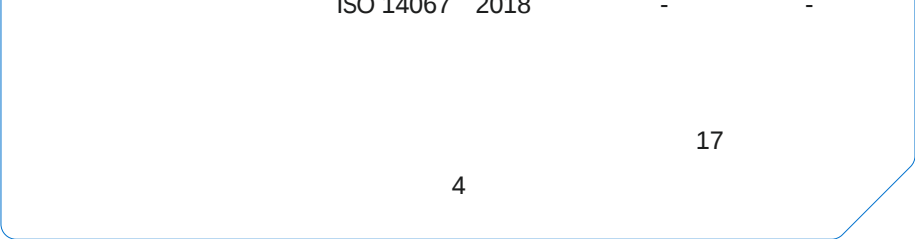
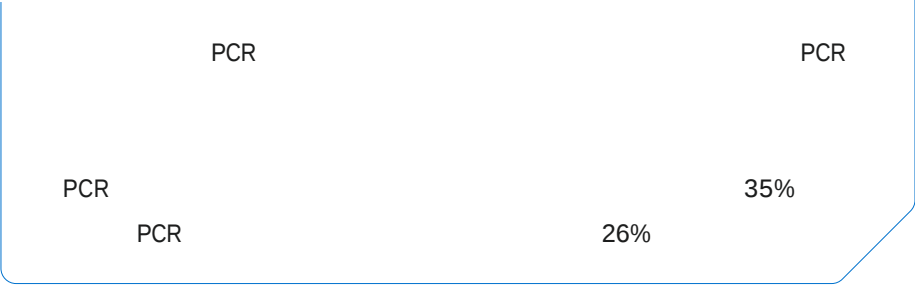


• WEEE 85%

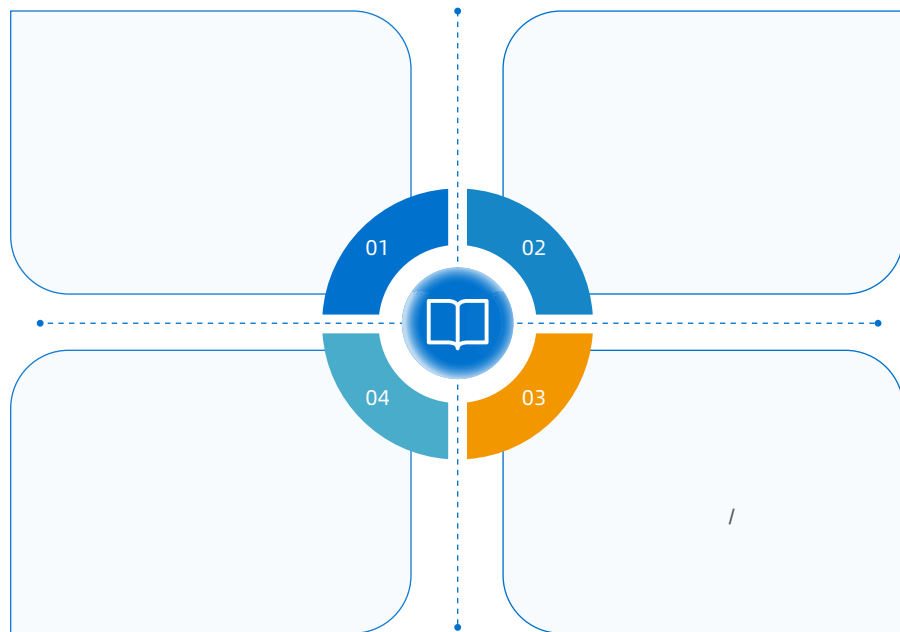
	2024
EPEAT	24
ENERGY STAR	32
TCO	12
WEEE	20
EU Energy Efficiency	46
CECP	15
	9
CEL	14



2024



PCR



2024

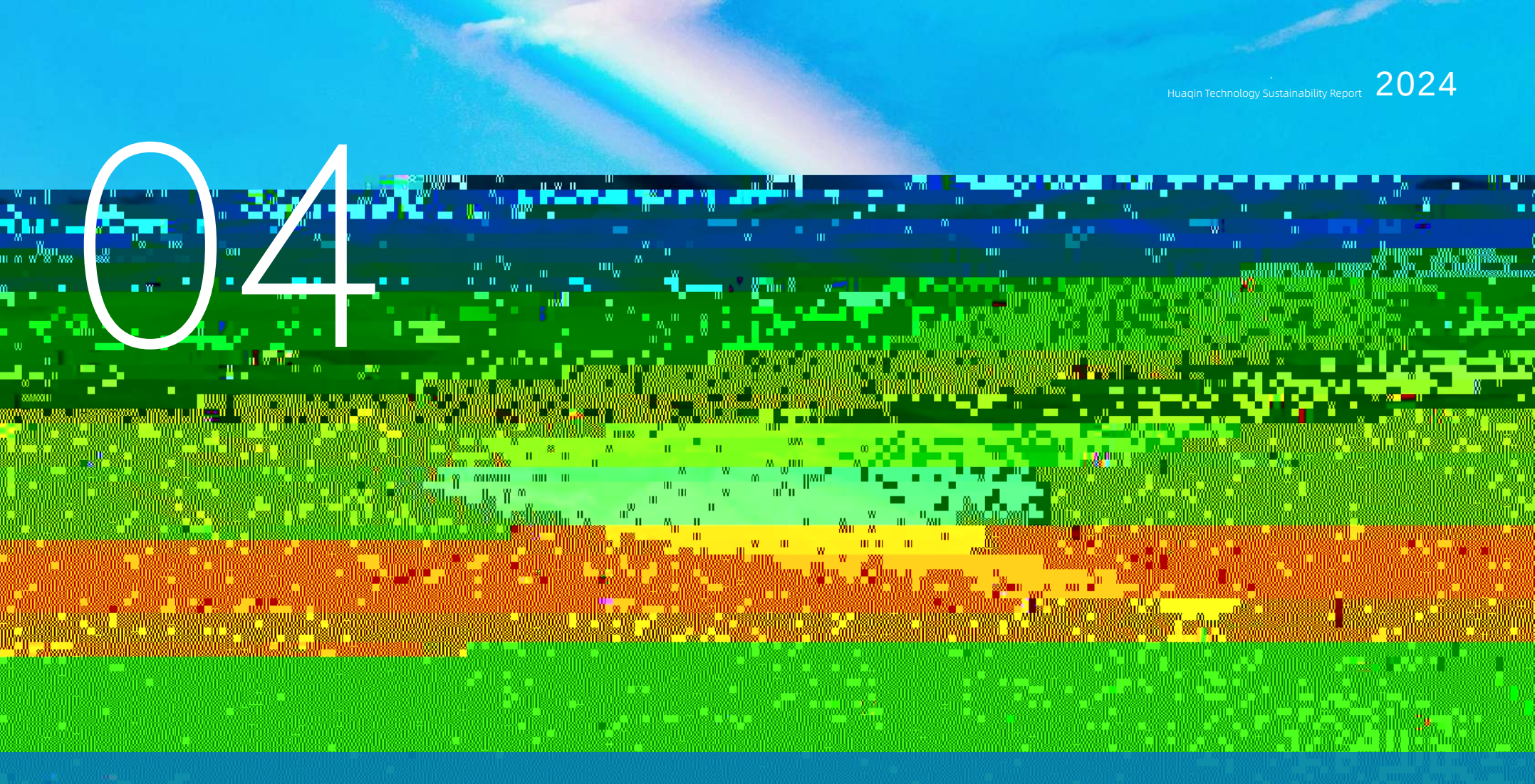
550 36,850

9:1 92.6%

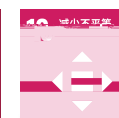
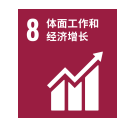
18.12 307 / 32.3

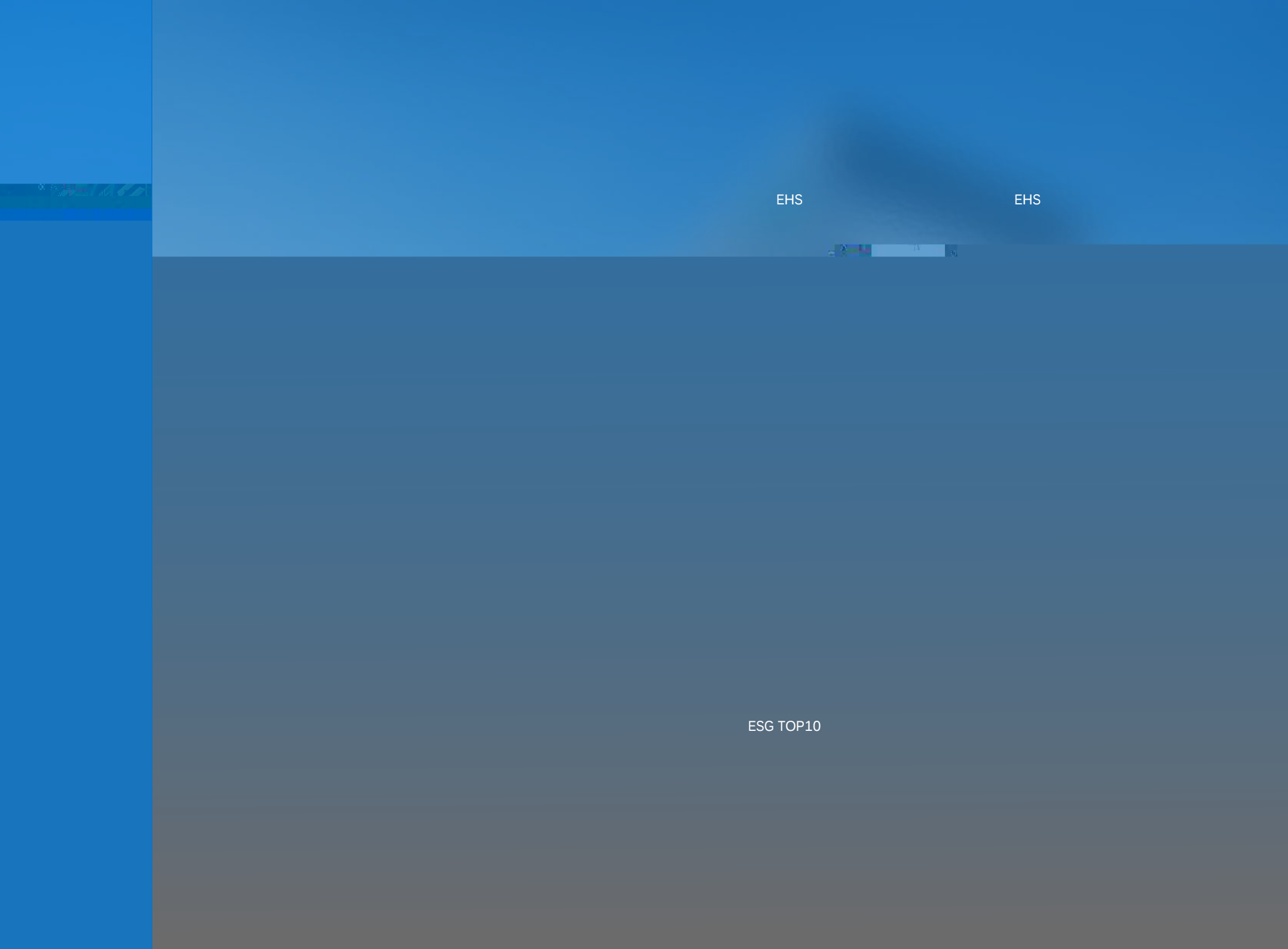
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04



+ UN SDGs





EHS

EHS

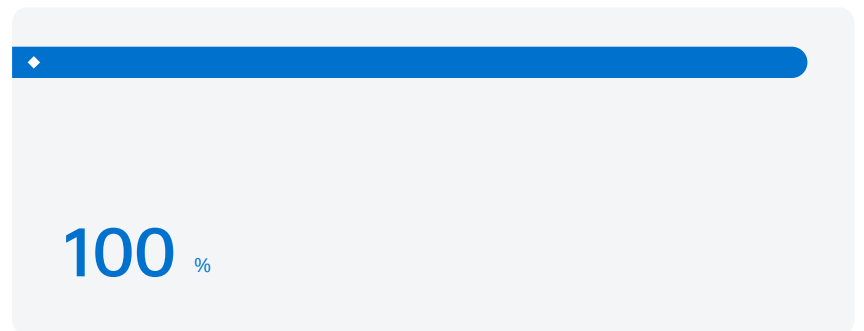
ESG TOP10



CAP

RBA VAP





HR

• ssczx@huaqin.com

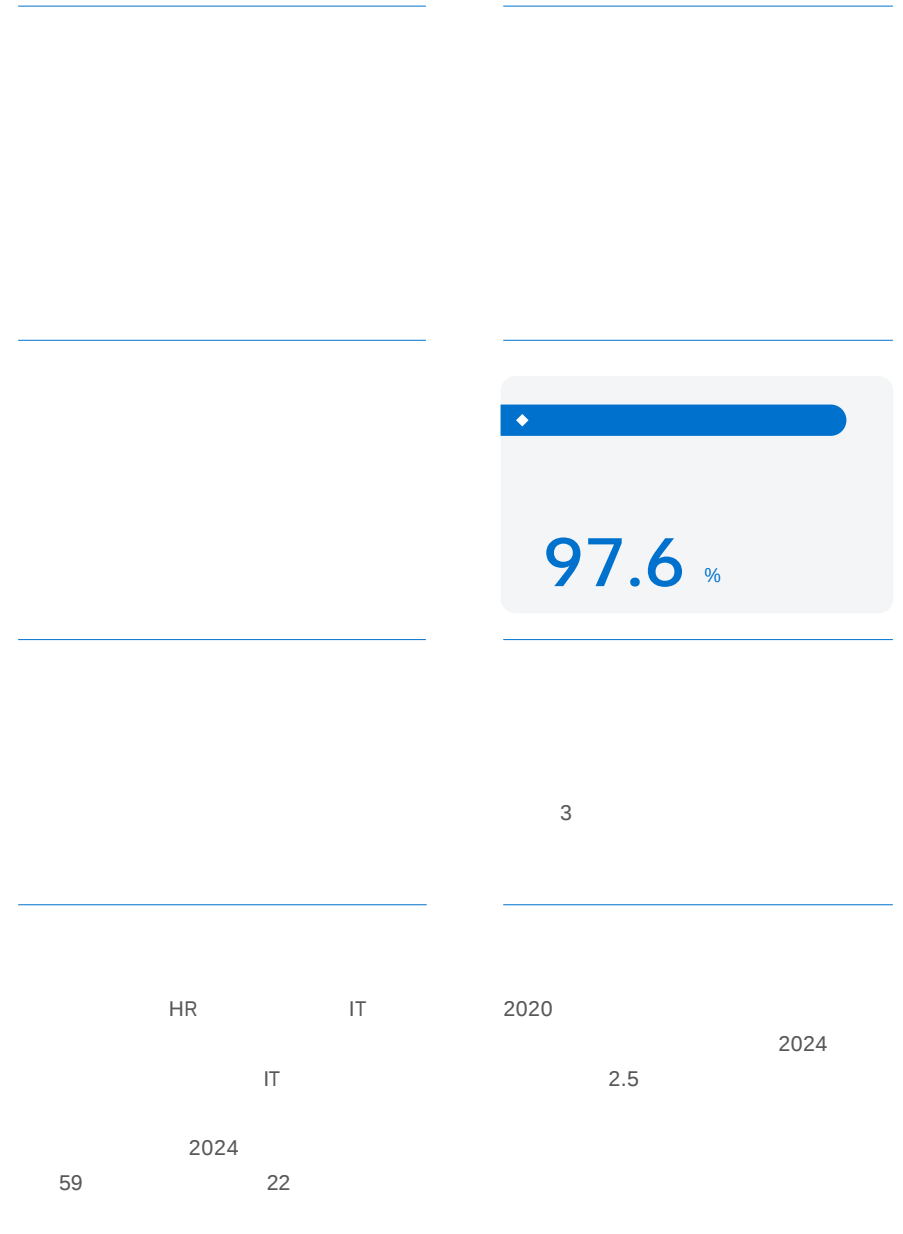
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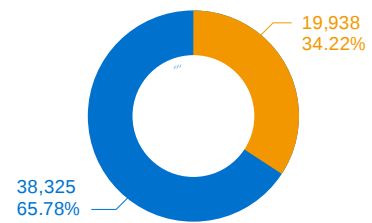
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2024
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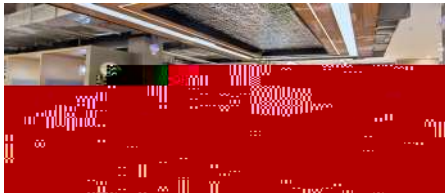
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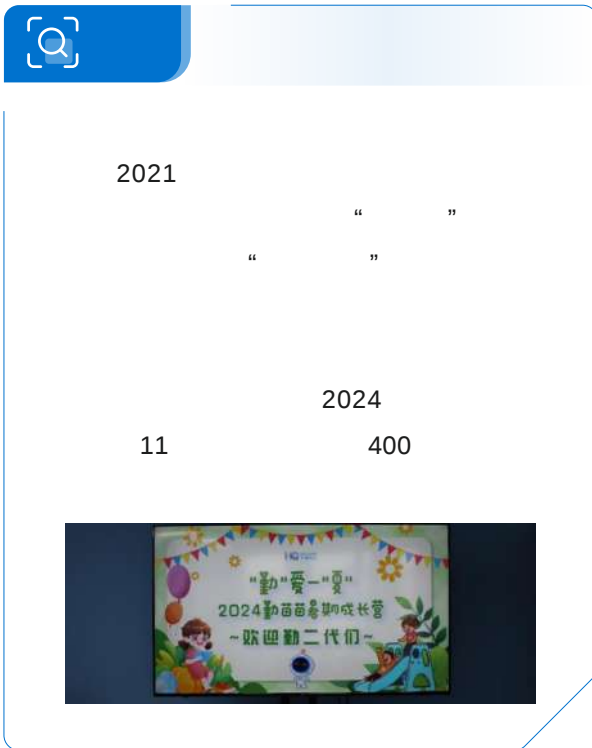
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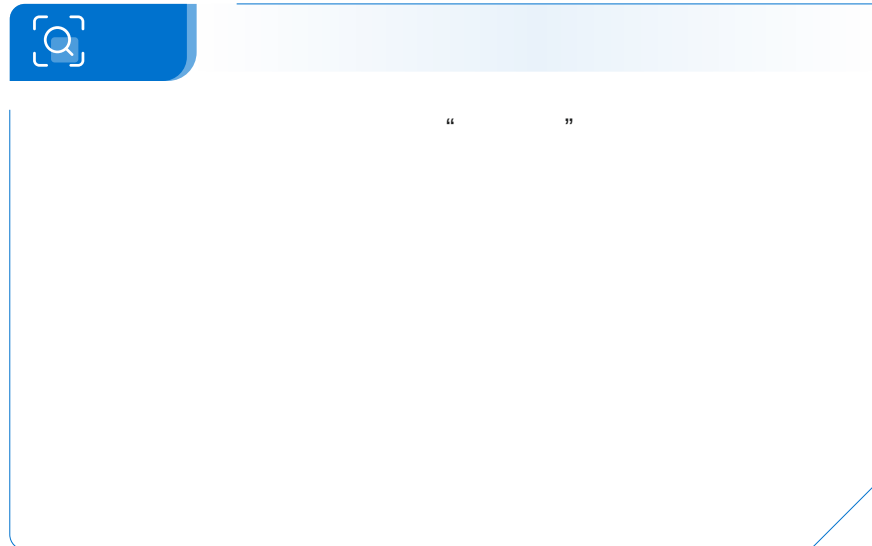
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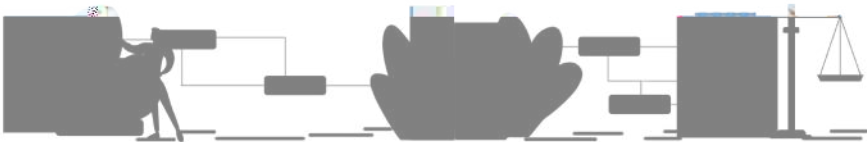


EAP)

EAP

KMS

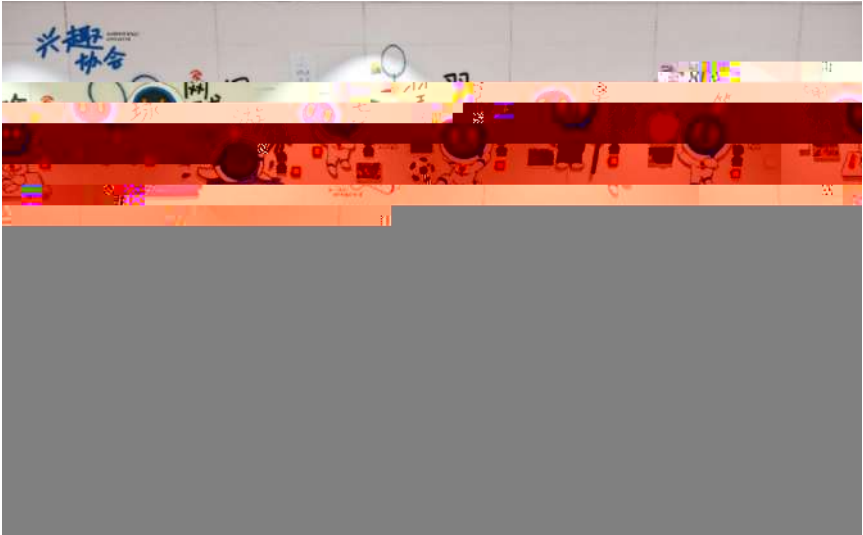




33

8,590 2024

1,900 3,500



1,610

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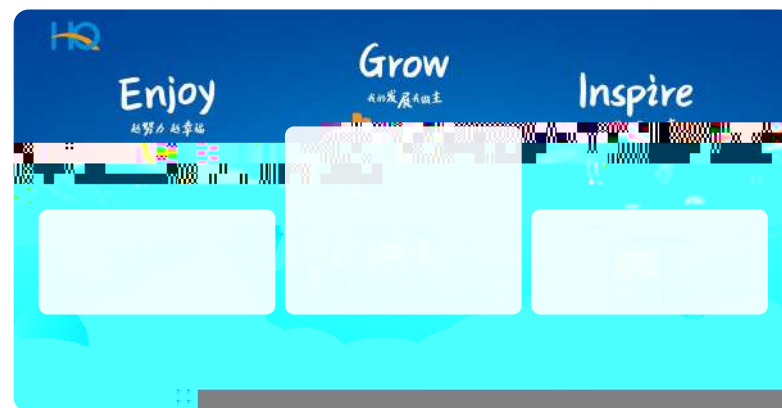


HR

SVP

6

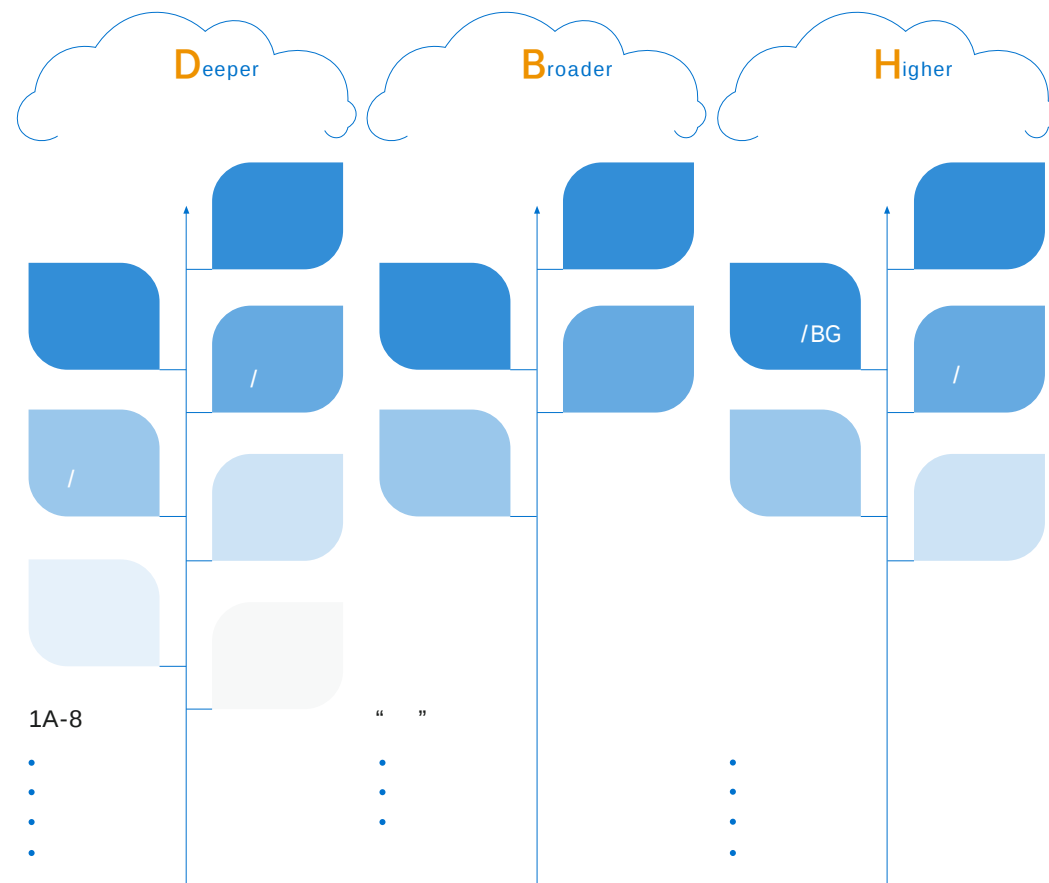
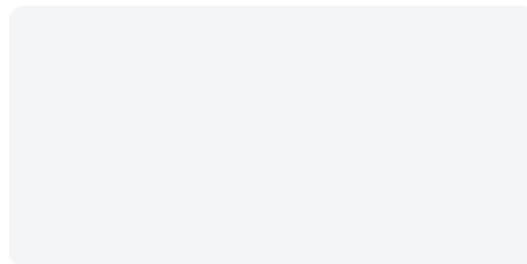
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3A

4A



100%

2015

TUP



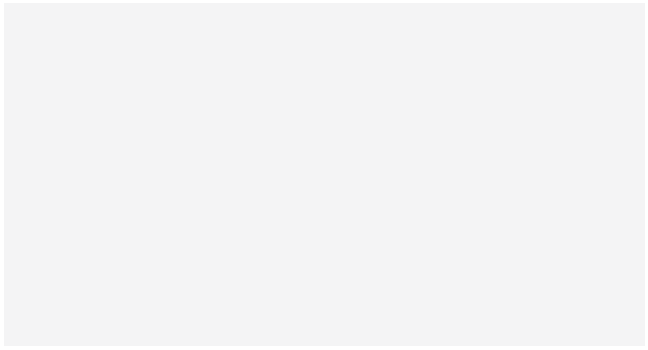
TUP

1,875

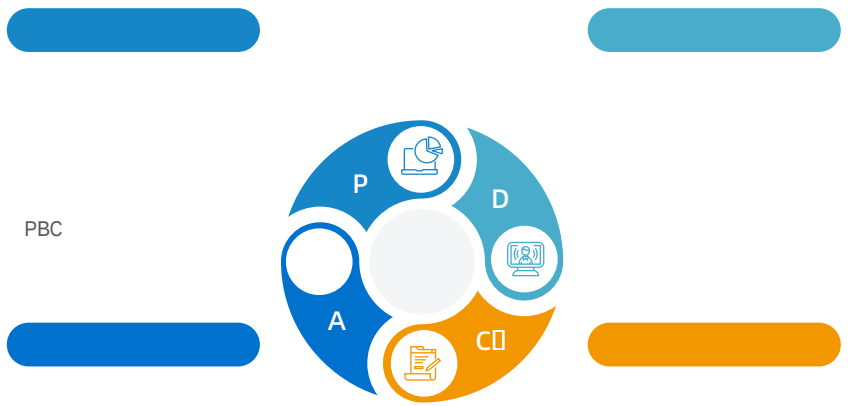
2023 12 2023 2024
2 134 154.9395 (2023
216.9155)
2024 8 2023 33
41.1483
2025 1 2025 2025 3
340 258.8177

26.85%

“ ”



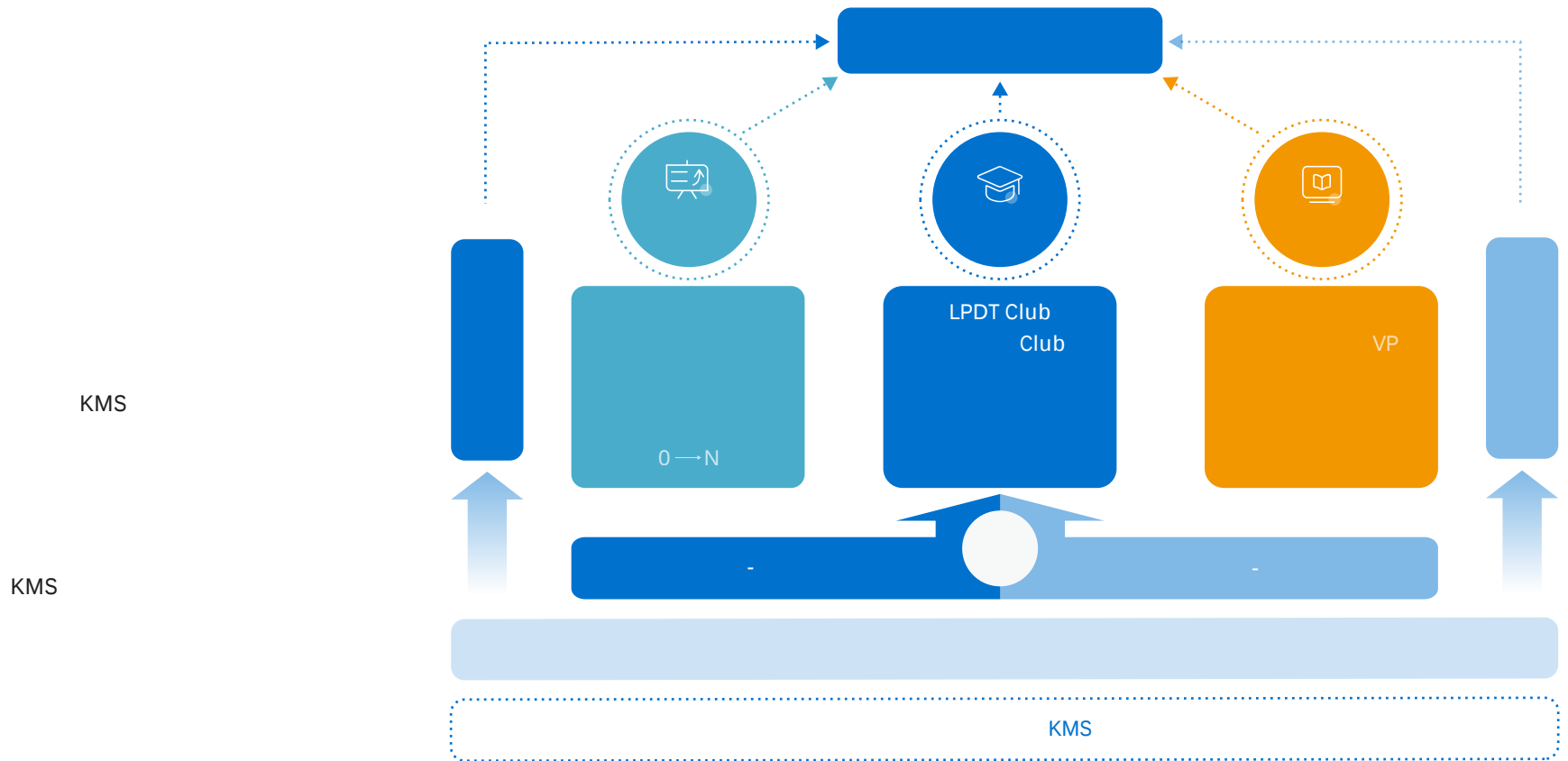
“ ” O
30
“ Plan → Do → Check → Action PDCA ”

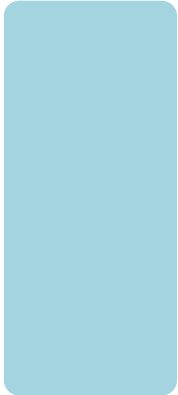
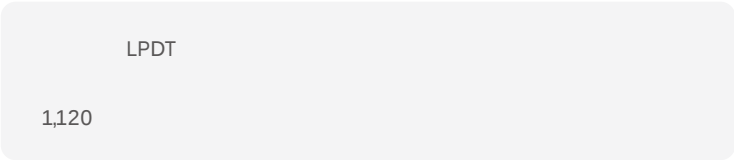
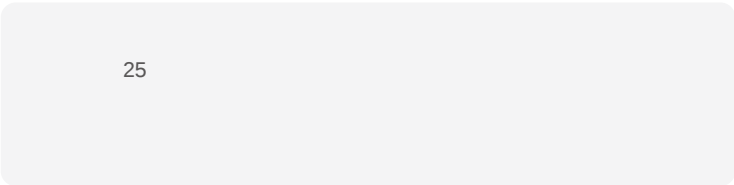
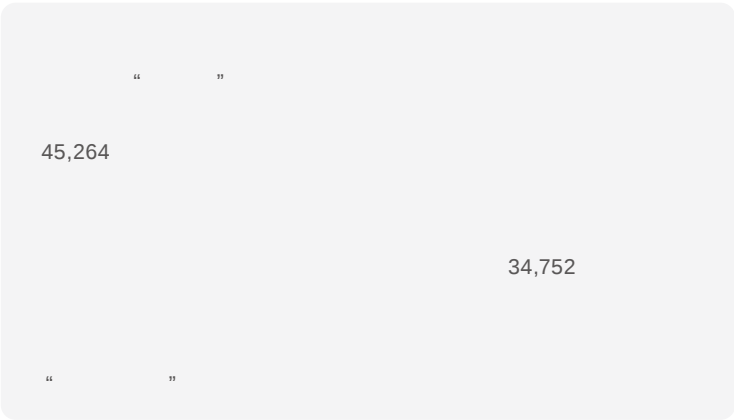
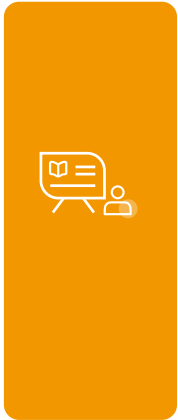


HR

HR

AT





2024

“ ”

144

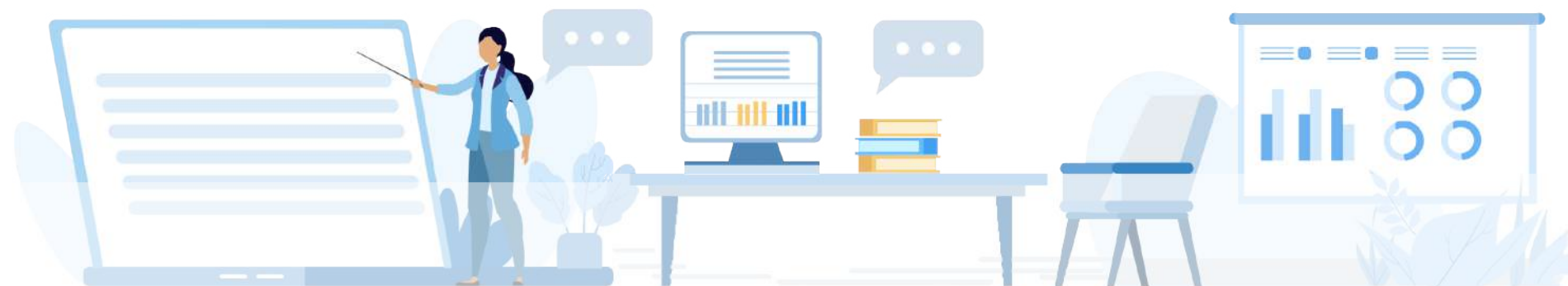
20
2015
KMS
“ KM+ ” “ KM+AI ” “ KM+ ”
2022
2024
KMS “ ”
KMS 15,200 77

100 %

417,446.60

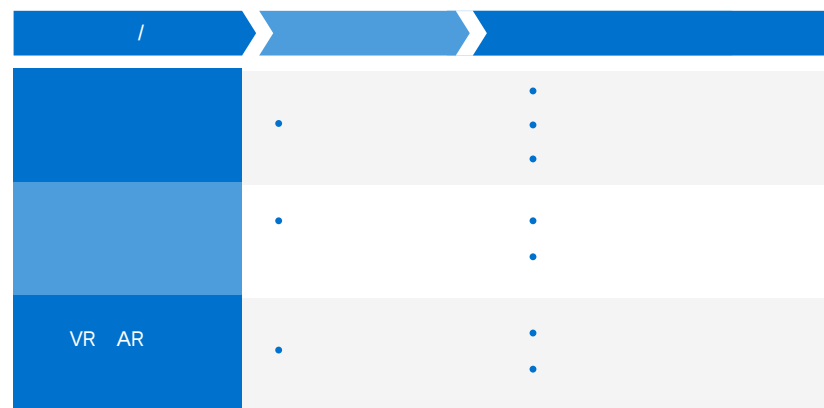
18.46

1,567.98



“ ”

AR



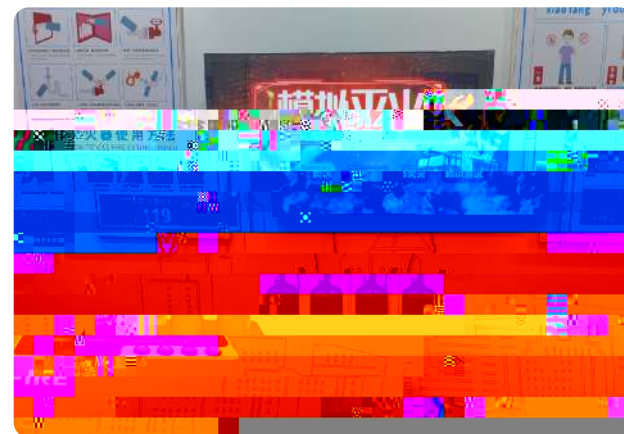
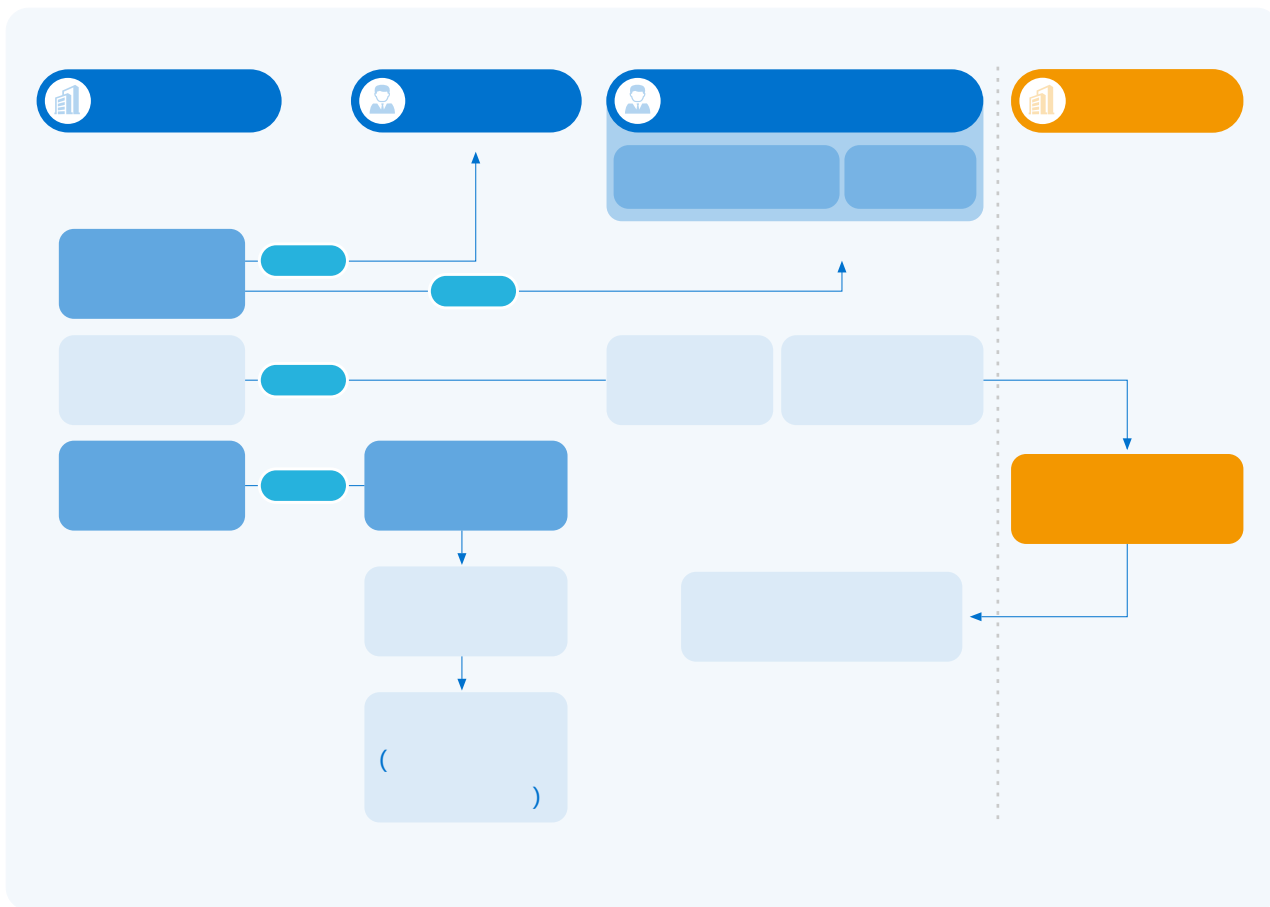
EHS

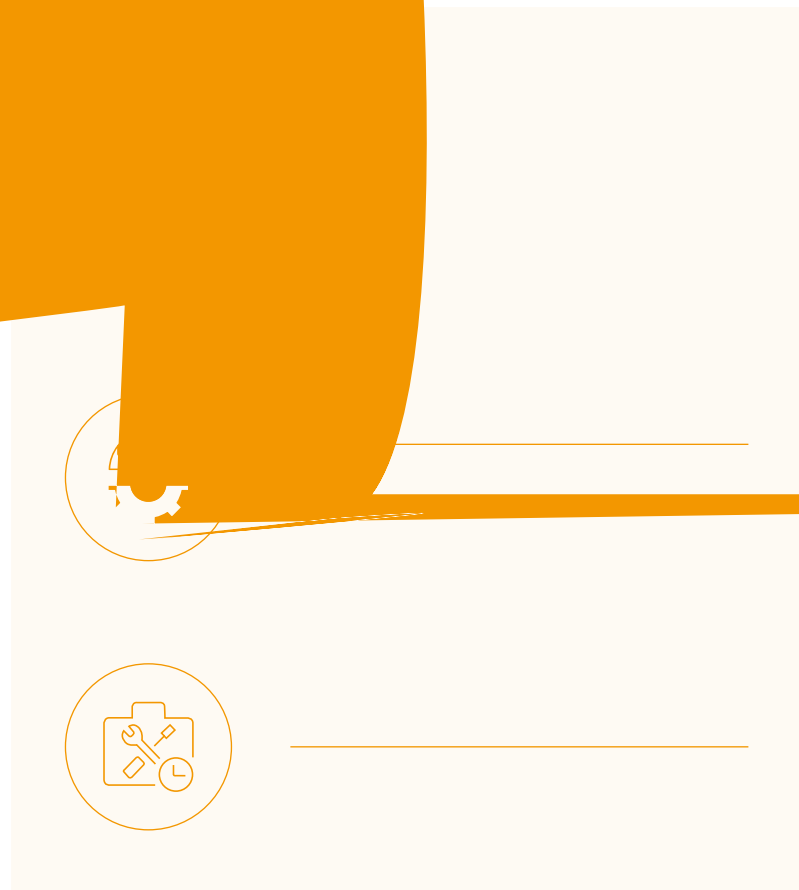
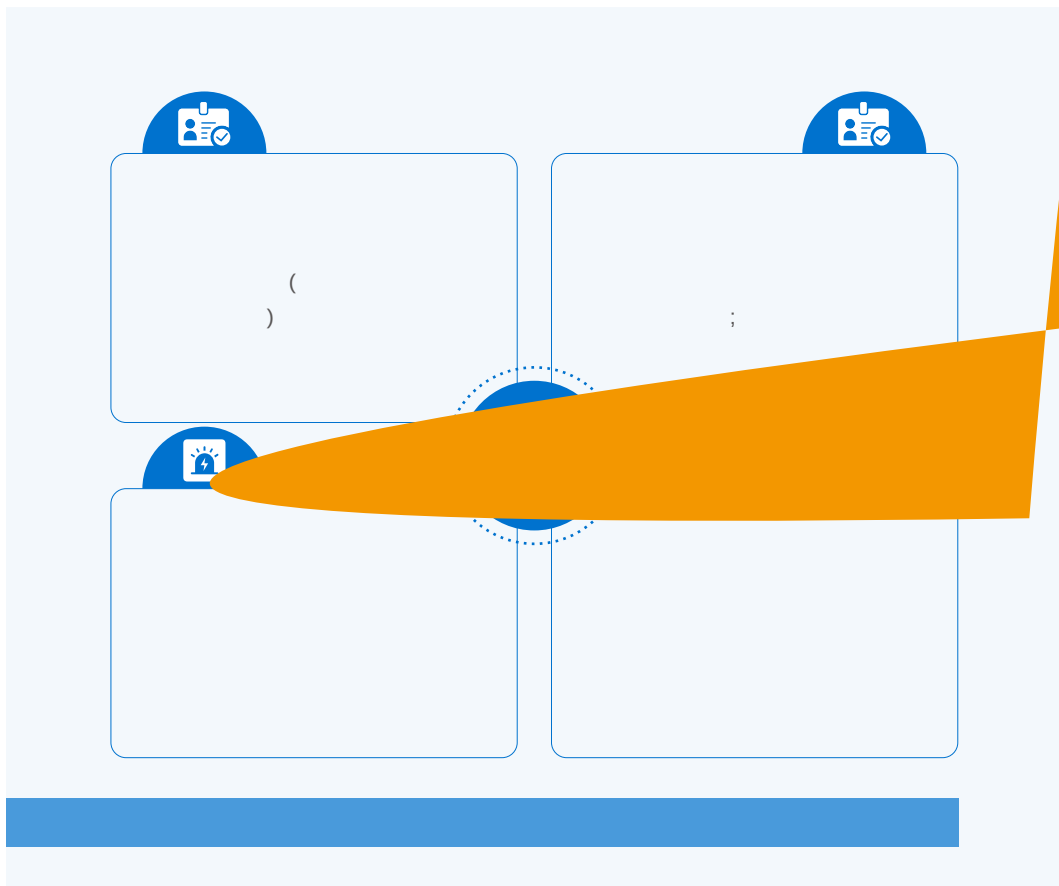
AI

2025 -2027



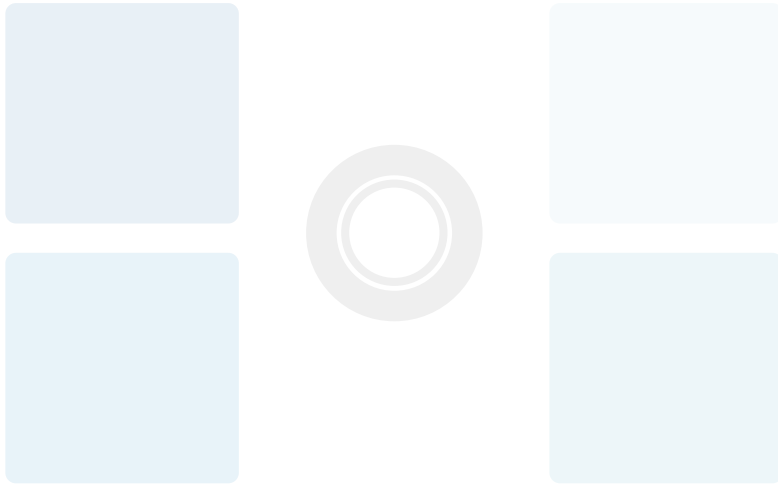
ISO 45001





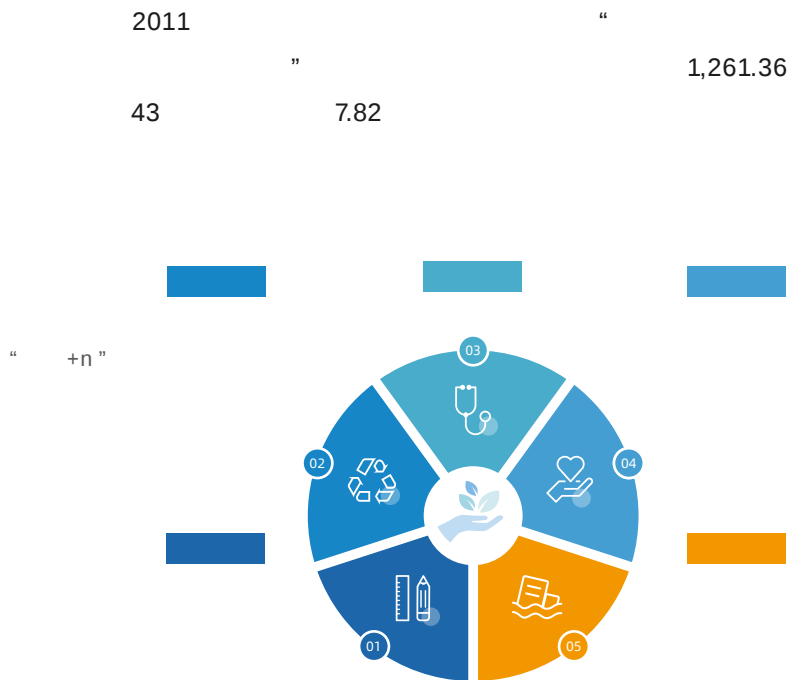
“EHS

- - - ”



◆	
0	0
0	0





111.65

1,869

34.53

59.23

14,799



2

13

2024

一颗咖啡豆的故事 THE STORY OF A COFFEE

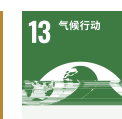


6.62

05

+

UN SDGs





-
-
-

RBA GeSI¹



-



-
-
-
-
-
-



“ 1000 ”
1
0
0
0



0
0



2028

CSR

100%

100%



100% 2028
(IPSA)

100%



2024

2028

50

1.5

7,570.26



¹ GeSI

Global e-Sustainability Initiative



• ESG TOP10

-
-
-
-

CSR

IPD





12 12 165 22

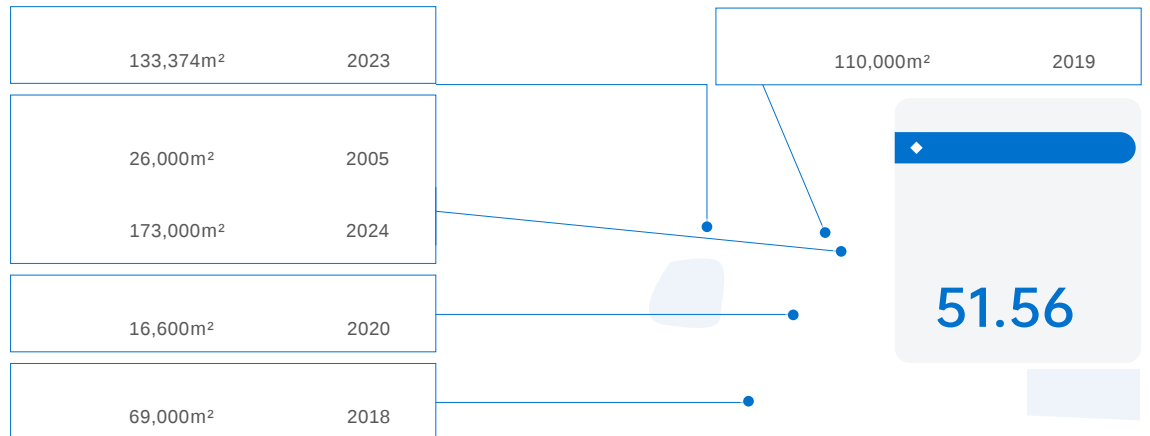
ID

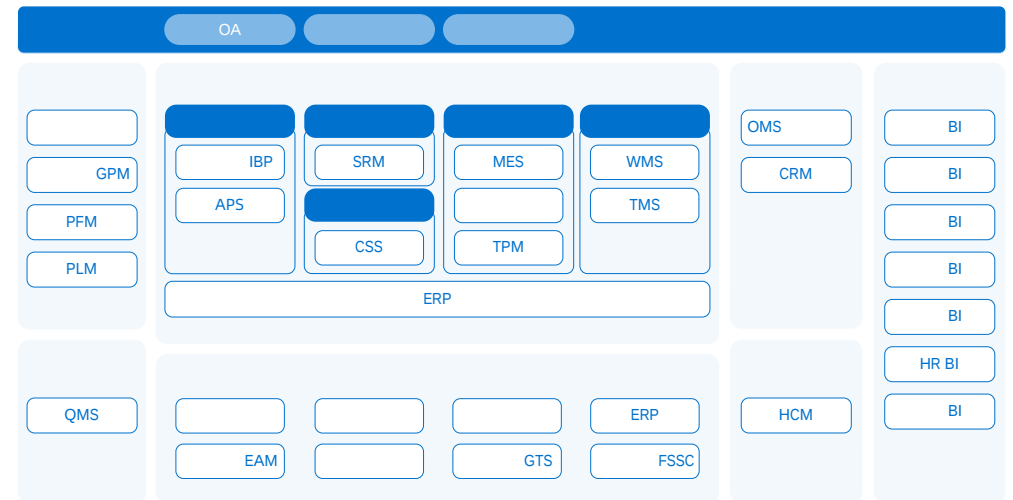
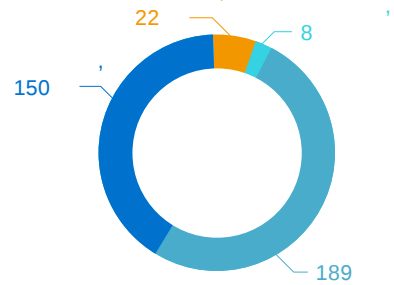
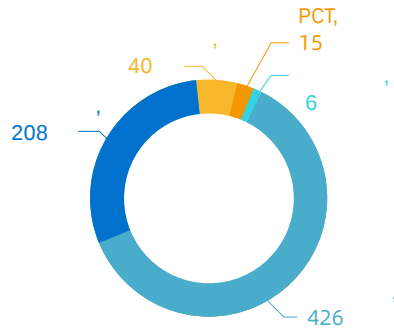
27 982 533.81

IPD

“ 1+5+5 ”

IPD





20

26

720

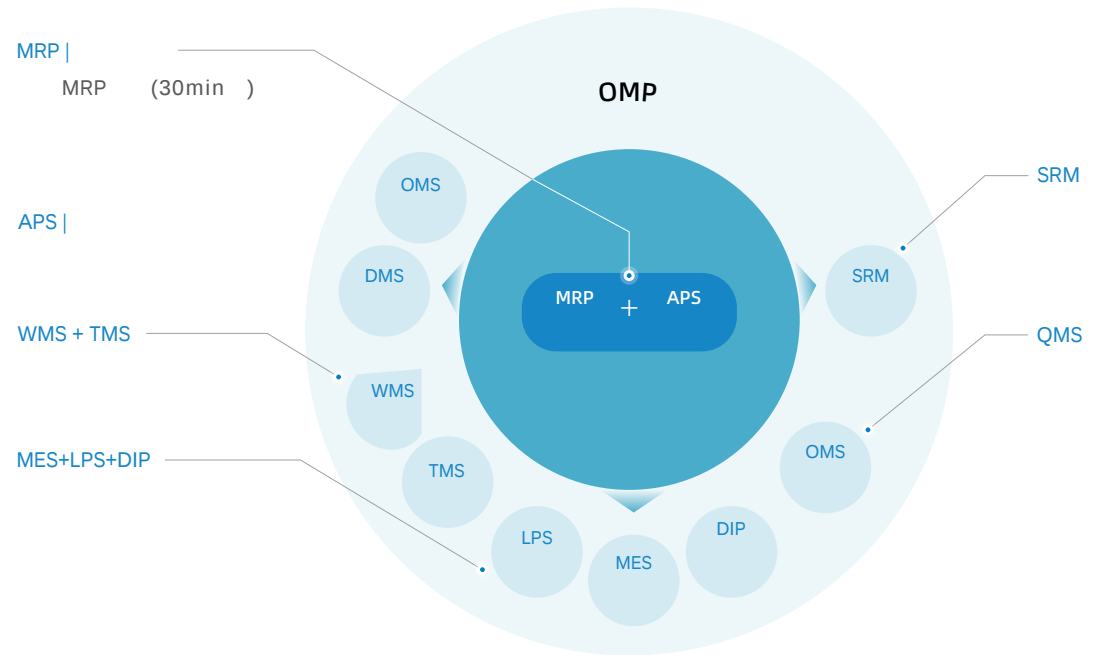
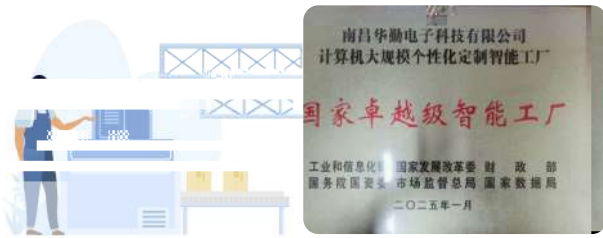
5,950

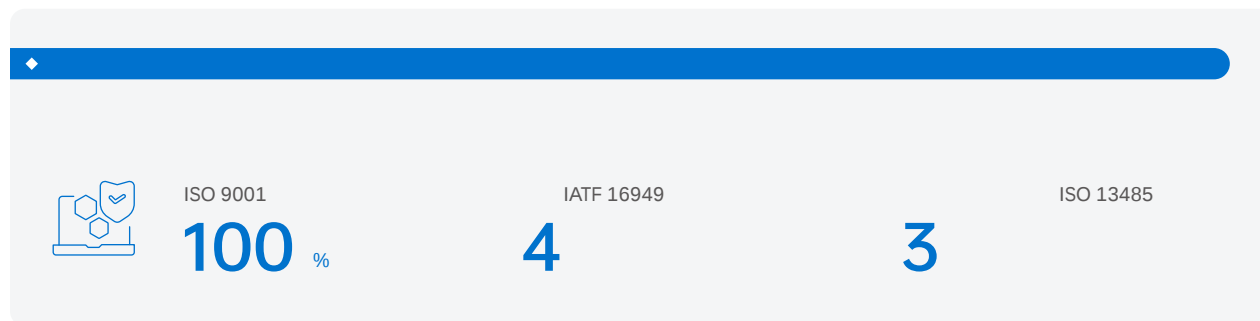
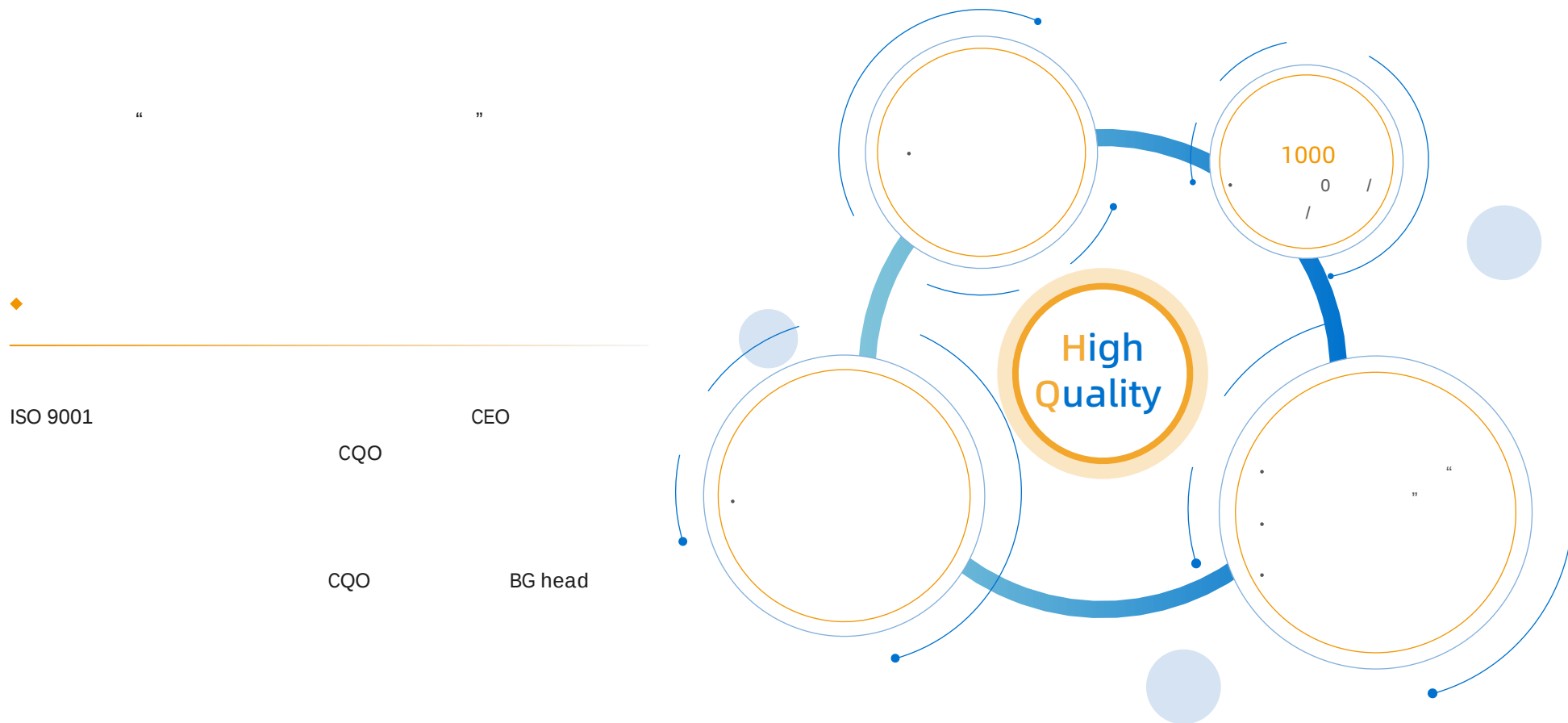
1,798

1,330

32

“		”
	MES	MES
		5G+
SMT	90%	95%
40%	55%	
“		”





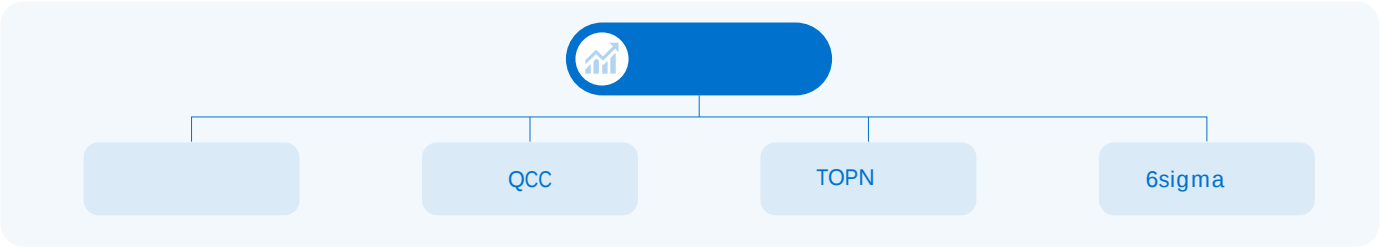
							TOPN
				3T			EWP
					QSA/QPA	KPI	QBR
	/					TQM	
						CSR	
	PLM	Issue	JIRA	MES	OA	DCC	BI



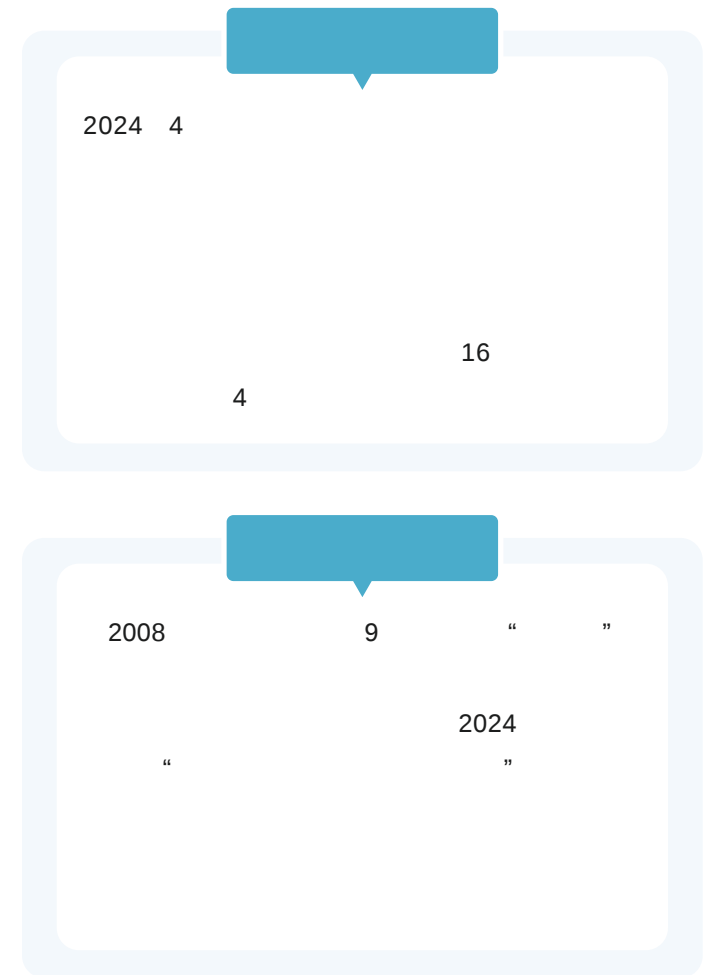
QCC

TR

QCC
TOPN
6sigma
DMAIC



BI
AI



QBR

100 %

7.771

75 %

QBR

QBR

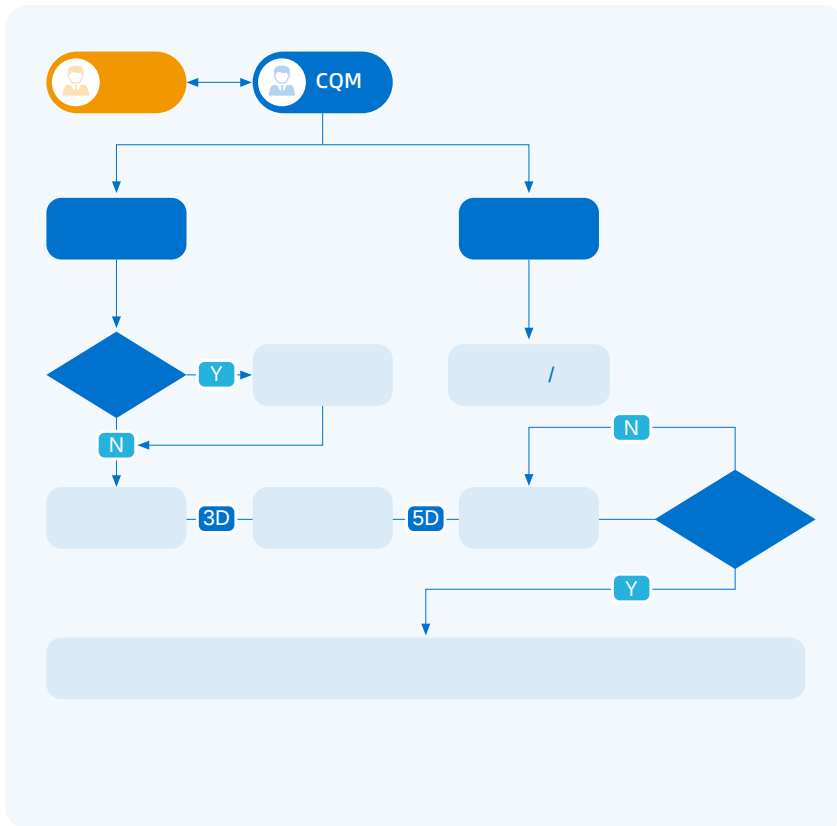


CQM

CQM

3

5



(2023-2024)

2024

A





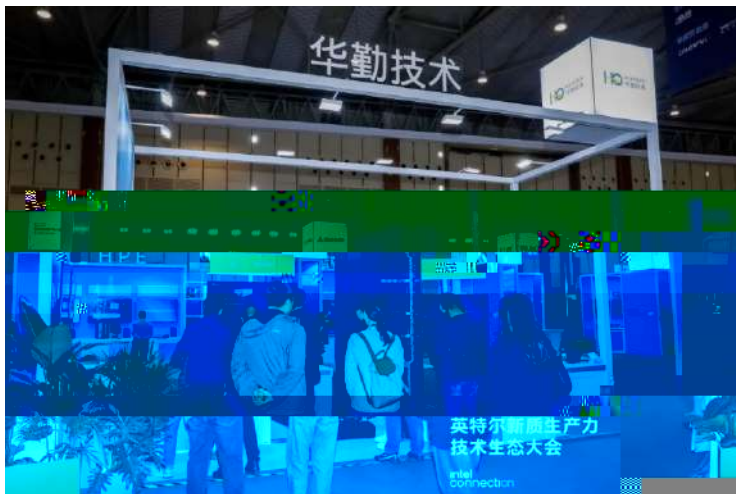
2024

IPDC

6U 16GPU

6U 16GPU

AI



IPDC



2025 CES

2025

J6E

ODMM



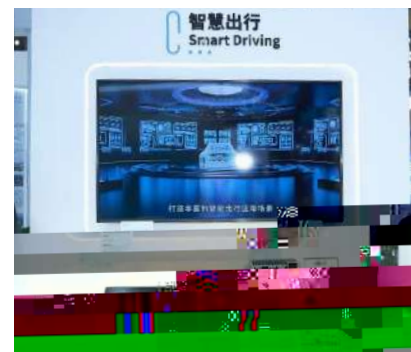
2024

WAIC

“

”

AI PC



2024 WAIC

CSR

ISO

14001 ISO 45001 SA8000 RBA QC 080000
CSR

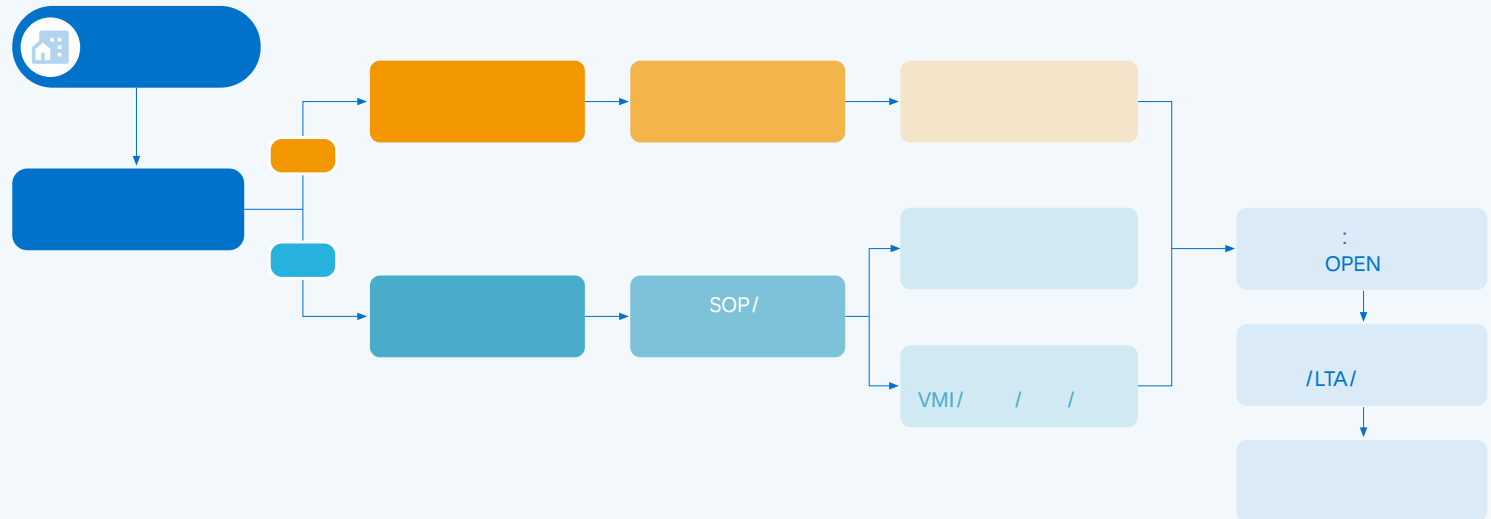
“ ”

24

337



2,274



QSDC

“ ”

“ ” “ ” “ ”

“ ”

“ ”

“ ”

1	15%
2	15%
3	10%
4	10%

5	10%
6	10%
7	15%
8	15%

1

3

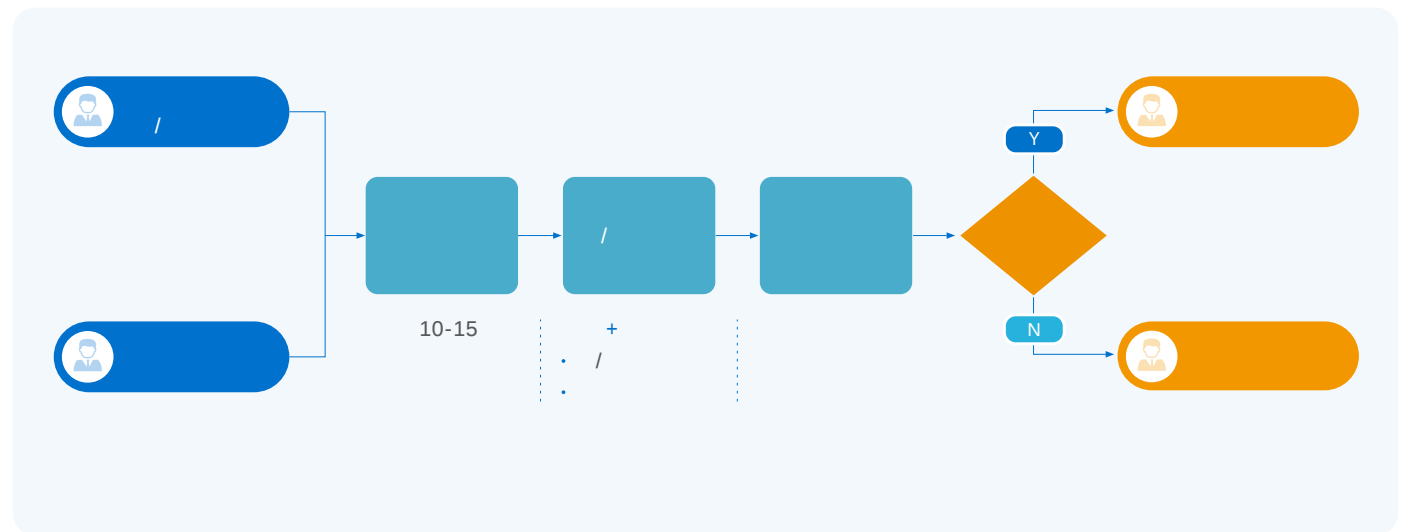
6

20.2%		18.3%	51.2%
0.9%		2.3%	86.5%

10.3%

2024

CSR



SRM

100%

RBA

3
150

6
280

1
287



12 12

“

”

2025

ESG





RBA

44

39

RBA

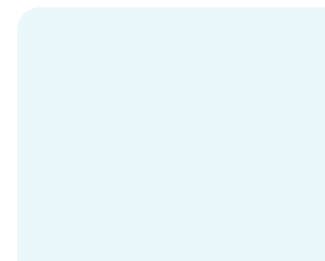
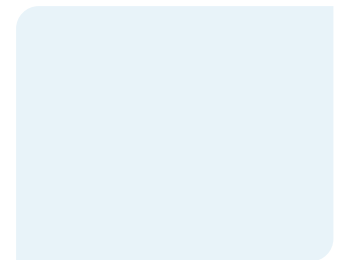
100%

RBA

CAP

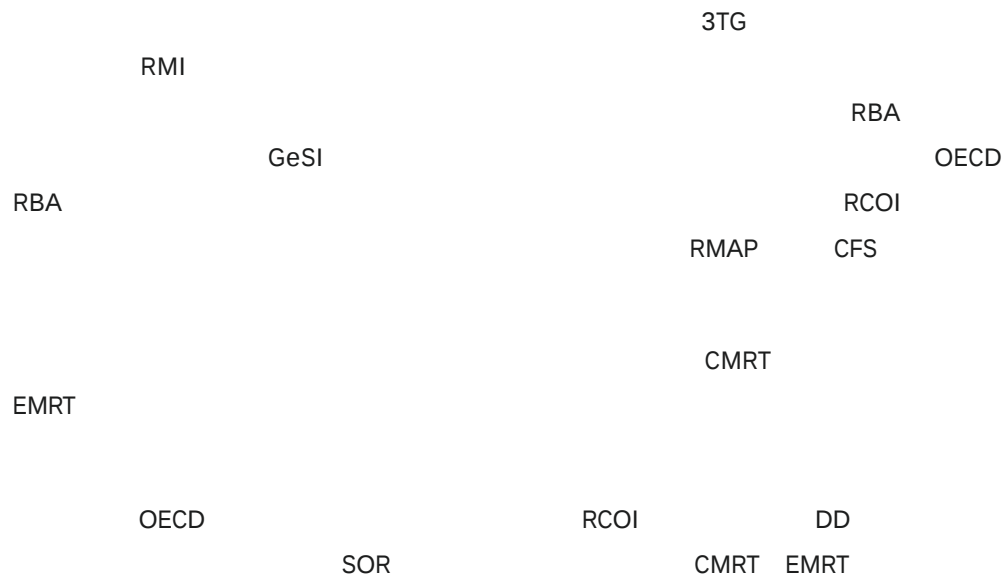
213

RBA



44

39

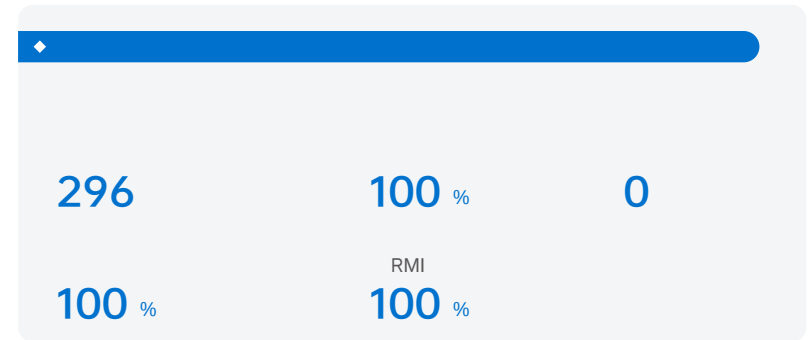


579

SRM

CMRT EMRT

287



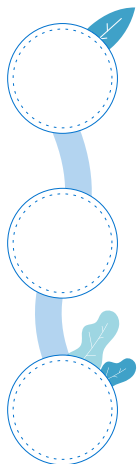
296

100 %

0

100 %

RMI
100 %



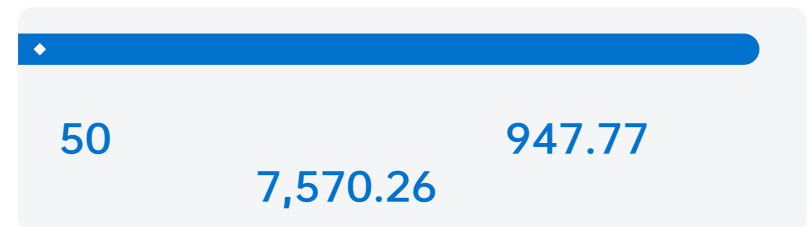
•	
•	
•	SRM
•	
•	RMI RMAP /
•	/ /
•	

SRM

2025

50

70



50

7,570.26

947.77



1			2024	2023	2022
			7,316.22	5,217.70	4,233.71
			217,559.98	203,335.16	142,152.14
			27,838.83	22,108.67	19,895.42
	+		252,715.03	230,661.53	166,281.27
		/	2.30	2.70	1.73
	3		527,745.03	414,914.25	345,900.51
		/	0.0480	0.0486	0.0373
			108,829.24	83,978.19	109,811.54
			150,683.27	99,729.68	121,522.99
			3,055,972.03	3,390,005.60	3,193,388.11
			497,949.60	382,849.70	315,155.30
			474,785.25	368,529.00	309,771.33

1

2023

2022

2024

2024

2023

2023

2

2006

IPCC

2022

2024

2023

2023

3

GB/T 2589-2020

2024

2024

2023

2023

2023

			2024	2023	2022
	-		56,560.10	10,934.00	0.00
			23,164.35	14,320.70	5,383.97
			33,354.03	27,537.00	20,890.65
			28.48	19.50	4.68
		%	15.11	6.63	1.56
			316	383	50
			22,124.20	34,222.10	12,109.74
			3,891,138.00	3,126,916.99	2,428,050.00
		/	0.35	0.36	0.26
			3,891,138.00	3,126,916.99	2,428,050.00
		/	0.35	0.36	0.26
			42,950.07	33,699.32	20,518.28
		/	0.003909	0.003949	0.002215
			2,425.35	493.62	377.50
		/	0.000221	0.00005784	0.00004075
			40,524.72	33,205.70	20,140.78
		/	0.003688	0.003891	0.002174

			2024	2023	2022
-			330.00	0	0
-			1,436.85	770.72	669.29
-			0.05	10.87	0
-			209.75	54.05	83.39
-			131.19	109.85	52.34
-			0	0	0
-			42,304.33	32,763.97	20,252.88
		%	98.5	97.2	98.7
SO _x			83.19	10.24	1.53
SO _x	/		0.076	0.011	0.0016
NO _x			2,481.02	808.90	625.02
NO _x	/		2.26	0.95	0.67
NMHC			3,987.73	3,811.46	4,897.24
NMHC	/		3.63	4.47	5.29
PM			12,253.99	2,161.414	828.60
PM	/		11.15	2.53	0.89
VOC			3,427.67	12,454.30	4,508.74
VOC	/		3.12	14.59	4.87

			2024	2023	2022
			3,144,597.49	2,459,600.00	2,026,923.40
		/	0.29	0.29	0.24
	-		100,520.00	45	0
	-	/	0.009148	0.000005	0
	-		3,044,077.49	2,459,555.00	2,002,036.30
	-	/	0.28	0.29	0.23
			106.70	76.15	56.02
	COD		697.55	528.85	285.45
			151.20	192.06	114.21
			3,374.00	1,880.81	2,499.75
			0	0	0

1			2024	2023	2022
			58,263	34,949	29,727
		/	188.59	244.18	311.66
			181	1	/
			19,938	10,030	8,242
			38,325	24,919	21,485
	51		320	199	174
	41 50		6,051	2,929	1,762
	31 40		16,821	11,364	10,751
	30		35,071	20,457	17,040
			34,868	18,430	12,165
			286	187	177
			16,568	11,253	12,308
			336	272	275
			6,205	4,807	4,802
			19	17	11

			2024	2023	2022
			1,614	1,303	1,334
			11,263	8,863	9,490
			45,367	24,766	18,892
			14,230	2,797	/
			44,033	32,152	/
			54,446	34,910	/
			3,817	39	/
			54,534	34,924	/
			3,729	25	/
		%	14	14.8	/
		%	15	15.9	/
		%	11	8.1	/
		%	26	9.8	/
	STEM	%	28	26.5	/

			2024	2023	2022
			0	0	0
			0	0	0
			0	0	0
			0	0	0
		%	100	100	100
		%	100	100	100
		%	100	100	100
		%	100	100	100
			0	0	0
		%	100	100	100
		%	100	100	100
		%	100	100	100

			2024	2023	2022
		%	97.6	97.52	90.4
			124.31	96.89	87.48
		%	100	100	100
		%	100	100	100
		%	100	100	100
		%	100	100	100
		%	0	0	0
		%	100	100	100
			36	12	8
		%	0	0	0
			652	374	173
			0	0	0
			0	0	0
		/	0	0	0

			2024	2023	2022
			6,914	4,671	5,402
		%	100	100	100
		/	24.29	25.17	24.23
			25	21	16
			67,945	61,168	40,893
			1,567.98	1,759.34	1,409.68
			144	/	/
			417,446.60	286,409.50	117,732.00
		/	18.46	11.50	/
			111.65	34.18	62.11
			1,869	662	68
		/	34.53	3.22	3.42
			59.23	24	7.20
			14,799	3,999	130

			2024	2023	2022
			515,580.68	454,752.72	504,708.56
		%	4.69	5.33	5.45
			16,568	11,253	12,308
		%	28.44	32.20	41.4
			2,590	2,378	2,036
			695	597	692
			369	433	450
			3,158	2,815	2,403
			426	378	377
			189	179	147
			1,330	1,137	934
		%	119	1.40	4.08
		%	100	100	100
			7.771	7.82	7.80

			2024	2023	2022
			1,952	1,933	1,858
			322	80	50
			296	267	/
			2,274	2,013	1,908
			0	0	0
	/		0	0	0
	%		100	100	100
			287	70	50
	%		100	100	100
	%		100	100	100
			2,274	2,013	1,908
			213	70	50
	%		100	100	100
	%		100	52.01	40.1

			2024
			9
			1,626
			58,263
		%	100
			2,274

			2024	2023	2022
	/				
	/		58,263	34,949	29,727
	/	%	100	100	100
/	/				
	/		0	0	0
			0	0	0
			2	2	2
		%	100	100	100

		GRI			2024 1 1			2024 12 31		
GRI		GRI1	2021							
GRI 2	2-1									
	2-2									
	2-3									
	2-4									
	2-5									
	2-6									
	2-7									
	2-8									
	2-9									
	2-10									
	2-11									
	2-12			ESG						
	2-13			ESG						
GRI 2	2-14			ESG						
	2-15									
	2-16									
	2-17									
	2-18									
	2-19									
	2-20									
	2-21									
	2-22									
	2-23			ESG						
	2-24			ESG						
	2-25									

GRI 2	2-26	ESG	GRI 205	205-1	
	2-27			205-2	
	2-28			205-3	
	2-29		GRI 206	206-1	
	2-30		GRI 207	207-1	
GRI 3	3-1	207-2			
	3-2	207-3			
		3-3	GRI 301	301-2	
GRI 201	201-1		GRI 302	301-3	
	201-2			302-1	
	201-3			302-3	
	201-4			302-4	
GRI 202	202-1	GRI 303	302-5	303-1	
	202-2		303-2		
GRI 203	203-1		303-3		
	203-2		303-4		
				303-5	

GRI 304	304-2		
2016	304-3		
GRI 305	305-1	1	
	305-2	2	
	305-3	3	
	305-4		
	305-5		
	305-7	(NOx)	(SOx)
GRI 306	306-1		
	306-2		
	306-3		
	306-4		
	306-5		
GRI 308	308-1		
	308-2		
GRI 401	401-1		
	401-2		

GRI 401	401-3
GRI 402	402-1
GRI 403	403-1
	403-2
	403-3
	403-4
	403-5
	403-6
	403-7
	403-8
	403-9
	403-10
GRI 404	404-1
	404-2
	404-3

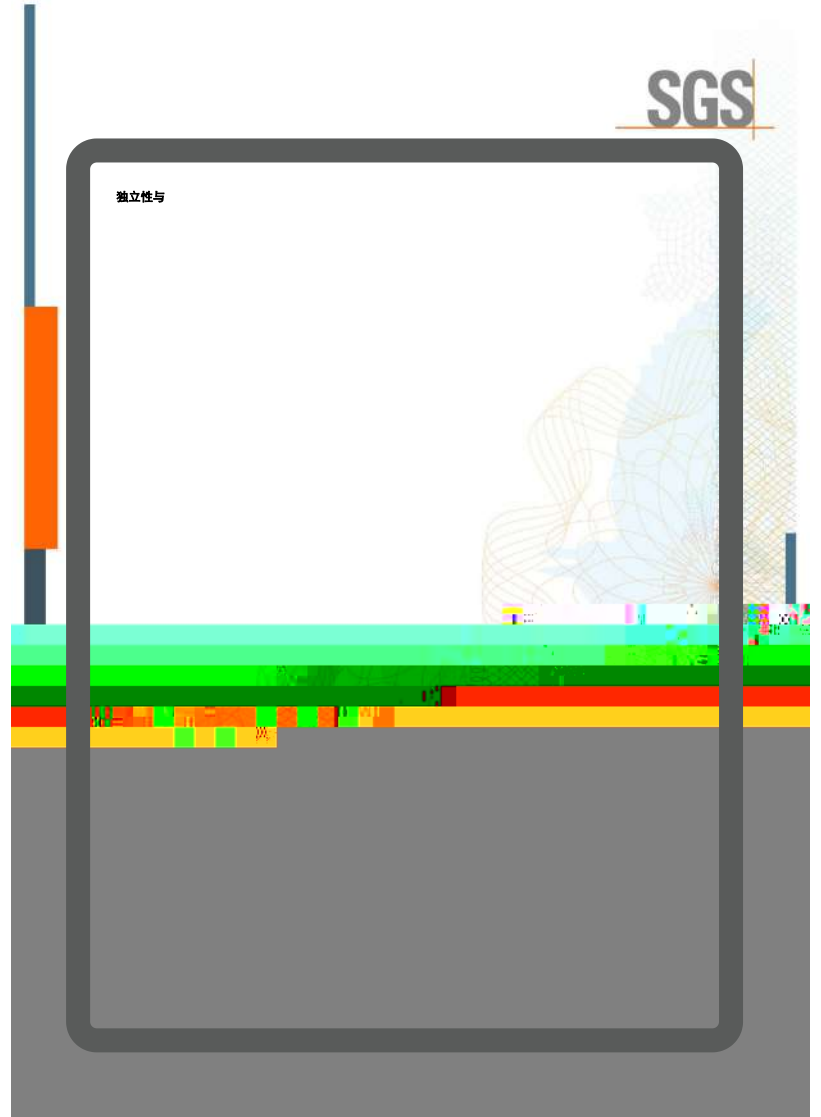
GRI 405	405-1
	405-2
GRI 406	406-1
GRI 407	407-1
GRI 408	408-1
GRI 409	409-1
GRI 413	413-1
	413-2
GRI 414	414-1
	414-2
GRI 415	415-1
GRI 416	416-1
	416-2
GRI 417	417-1
GRI 418	418-1

[illegible]

		ISO 9001	ISO 14001	ISO 45001	QC 080000	ISO 27001	IATF 16949	ISO 13485	ISO 50001	ISO 14064	ESD S20.20	Automotive SPICE	ISO/IEC 17025	SA 8000	BSCI	RBA 8.0	UL 2799	ISO 26262	SMETA
		✓	✓	✓	✓	✓						✓	✓						
		✓	✓	✓	✓	✓												✓	
		✓			✓	✓													
		✓	✓	✓	✓	✓													
													✓						
		✓	✓	✓		✓							✓						
		✓	✓	✓	✓	✓	✓	✓			✓					✓			
		✓	✓					✓											
		✓	✓	✓	✓	✓									✓				
		✓	✓	✓	✓		✓				✓							✓	
		✓	✓	✓	✓	✓					✓					✓			
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