“ ” “ CNBM ”

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2019 1 1 -12 31

CASS-CSR4.0

GB/T36001-2015

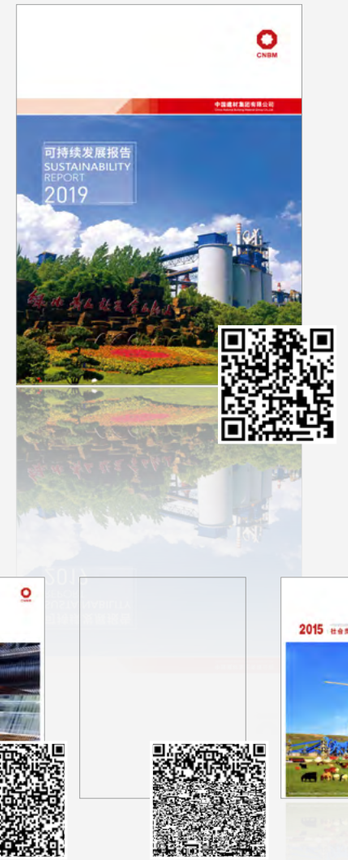
GRI GRI4.0 GRI-standards

ISO 26000 2010

2030 SDGs

PDF

www.cnbm.com.cn



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CONTENTS

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2019

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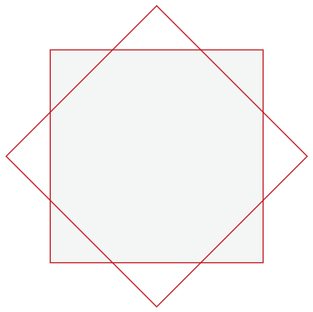
2016 “ ”



9 500 2019

203 2019 5962.0

3981.0 20.5 14

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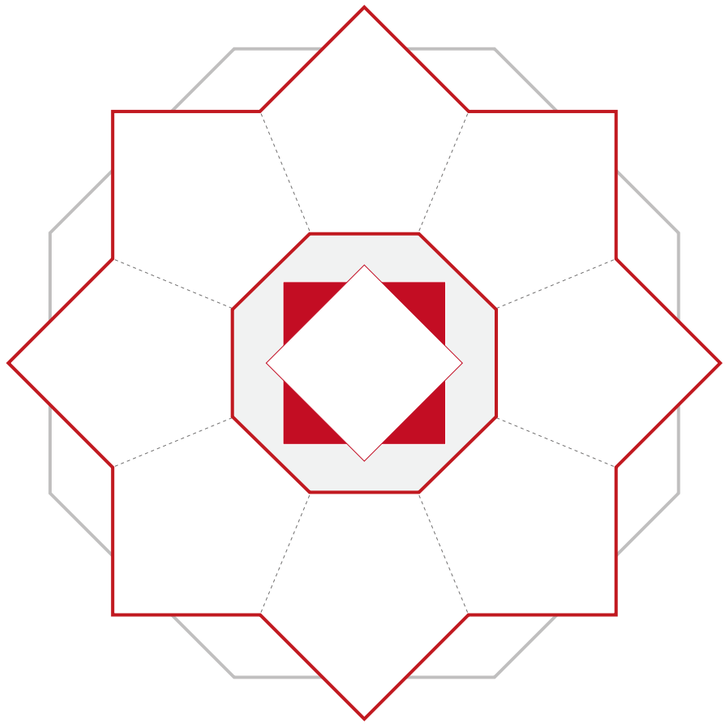

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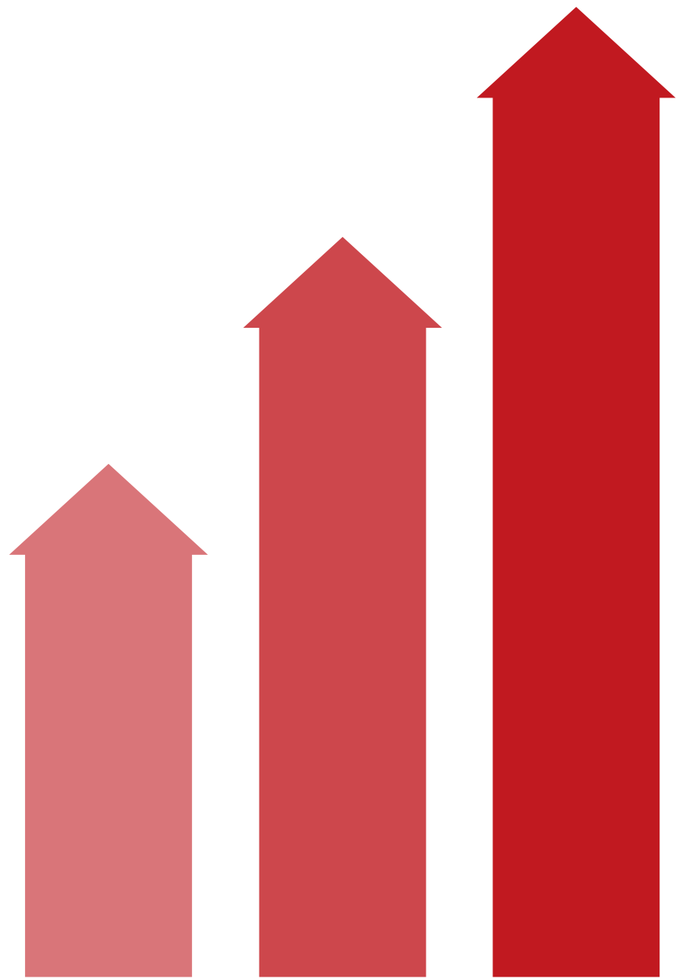

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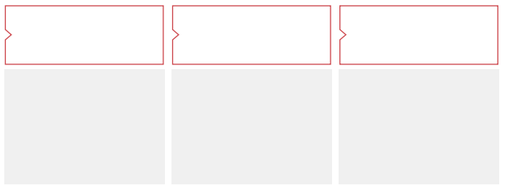
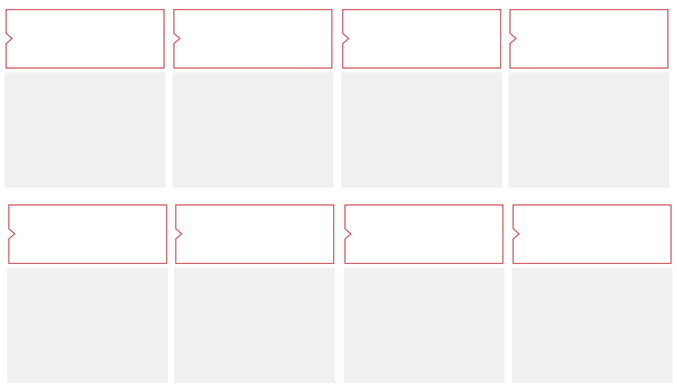
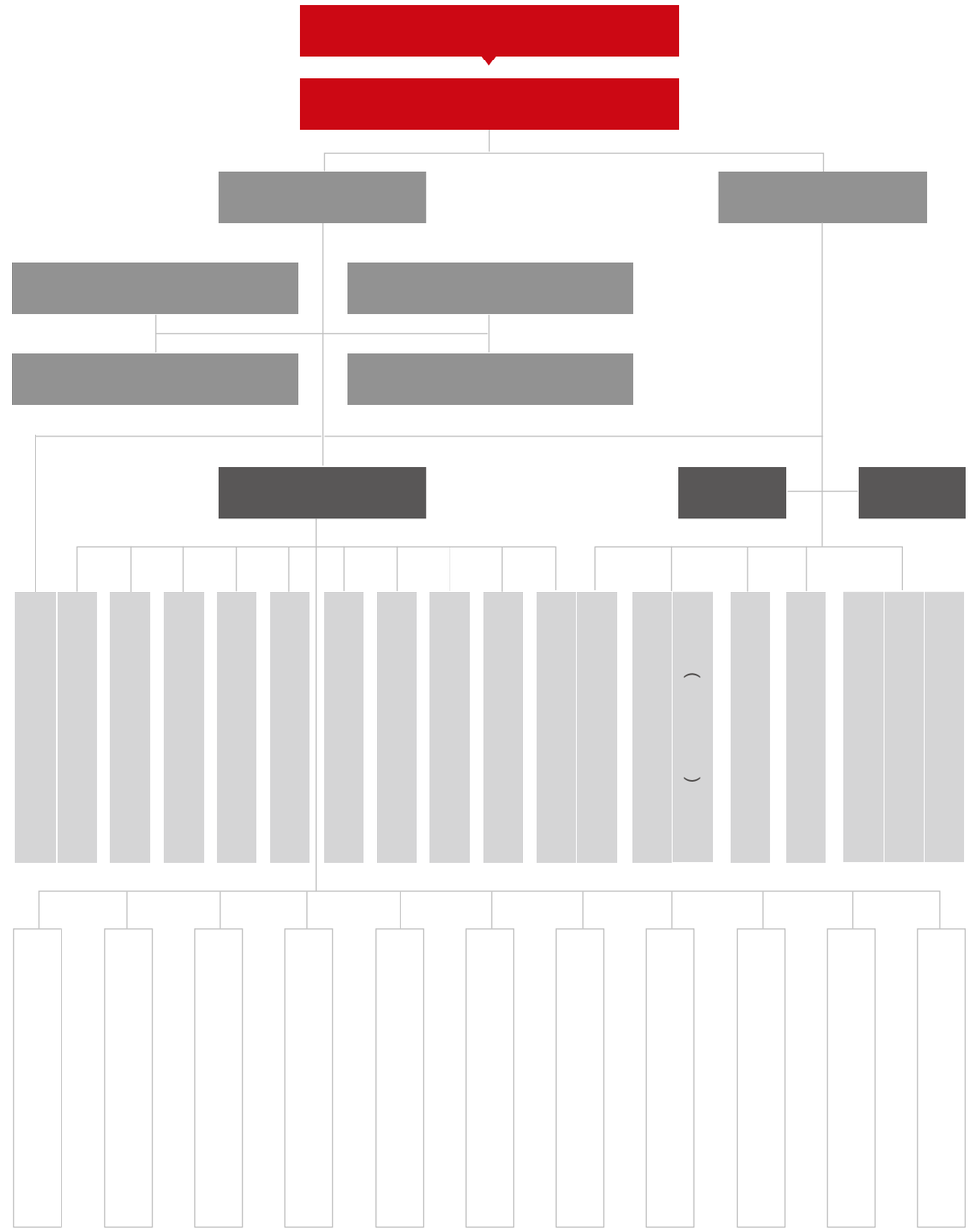






5.2

4.6

65%

27

274

12

3600

13000

6000

T700

T800

T1000 M30 M35 M40

150—1660mm^2

35—1100

2438

3800

ITO 3500

1

16GW

1.25MW

6.7MW 31 80

10 60

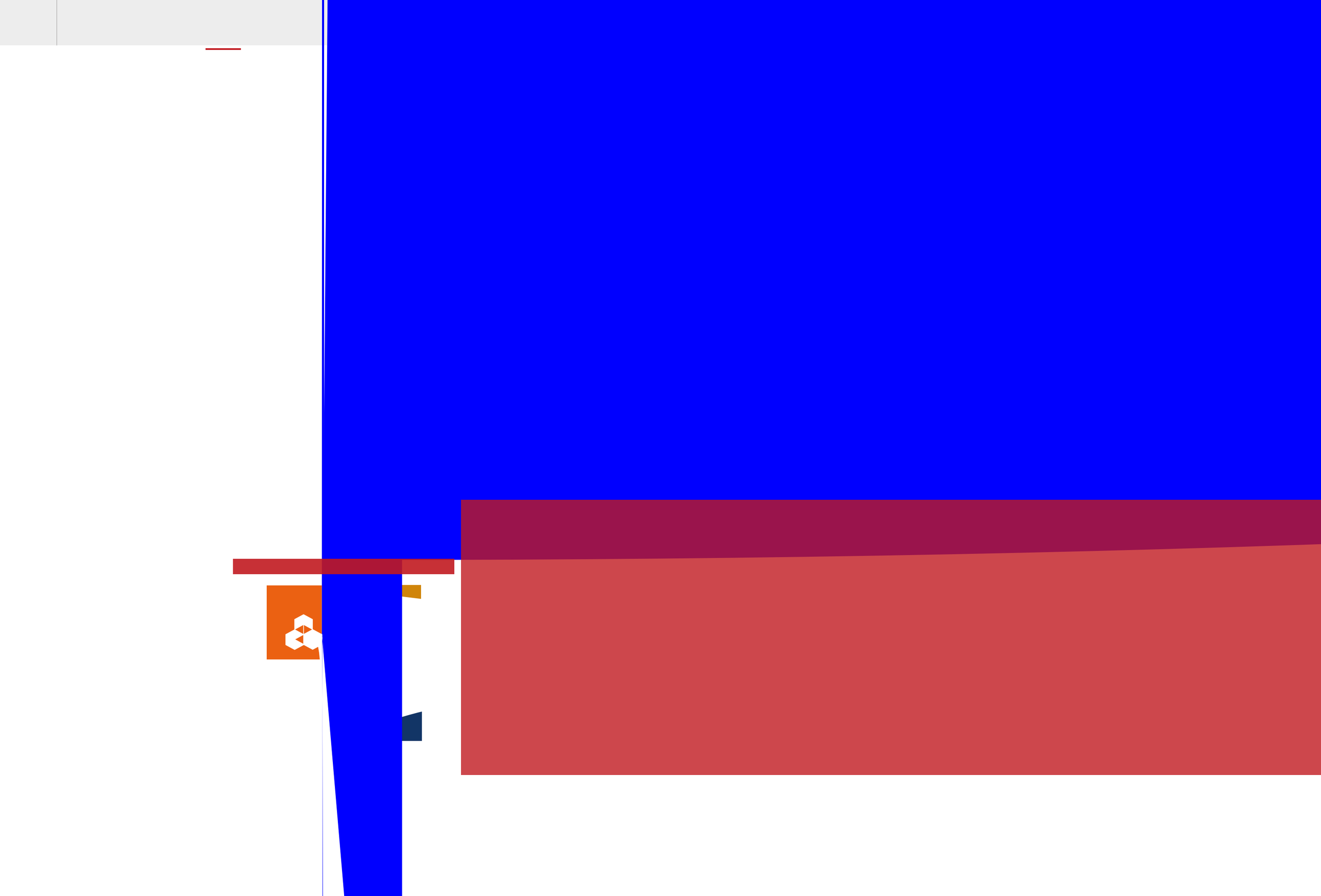
5GW

300

100

64.9

PC



2019

3981 235

500

500

16.6

9

7

2019

“ ”

“ 1+1>2 ”

8

3

2019

6

100
%

98.5
%

“ ” “ ” “ ”

“ ” “ + ”

“ ”

“ ”

7

2019

80

92KG 68 30%

f-CaO 95%

“ ”

-
-
- 8.5 TFT
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- 1 G3

“ ”

2019 3

……

2019

2

3

2019 7 4 “
” 2 1
“ 4335 ”

“ ”
“ — — ”
“ ”

4335 “ ” “ ”

4335

4335 “ ” “ ”

4335

2019 1278
110
52.5 35%
CNBM SINOMA
2019
“ 100 ” “
( ) 100 ”
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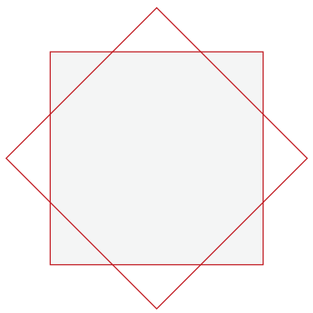
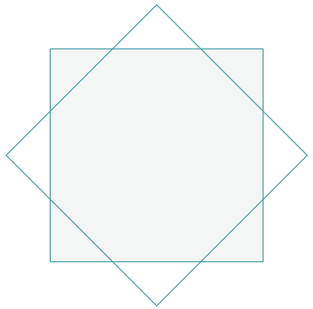
” “ ” “ ” “
”

2019
2019
5 10
“ ” 4 “
” OA “ ” 5
1 3
“ ” 61

“ ” “ ”
4 5
1
“ ”

“ 2422 ” 70.4% 1.3
8%
70 464 27% 7
43 42 34
20% 100
50 “ ” 50 80





26

“ ”

“
+ ” 6
2019

17 CSTM
35

2019

17

88

2

	17
	6
	26
	3
	7
	2
	13
	20
	4
	329
	23
	10
	6
	3

“ ”
2019 9 “
”

“ ”

2019

3.8

10

17

“ ”

2019 12124 5

100 3 1

3 47 “ ”

25

“ ” ……

8.5 TFT-LCD

2019 9 18 3 28

8.5

8.5

65

2019

“ ”

2019 4 6

2019 2 18

2019

3mm

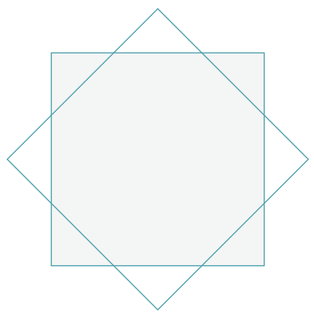
12,124

3,308

1,638

1,804

“ ”



T800

7

±1000kV

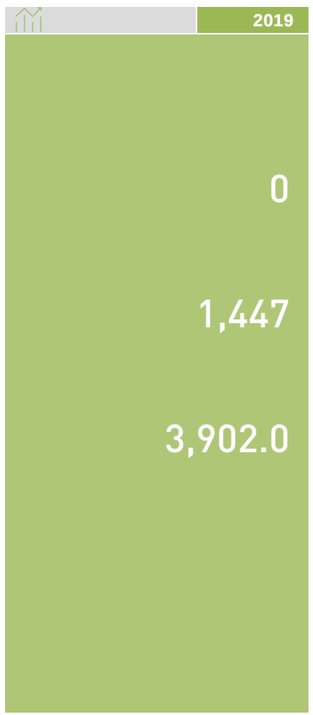
-

7

5

T800

AGV



“
”

“
”

5

6 12

9

“ ” “ ”

2019

1.3 /

100%

“ + ” “ + ”

2.8MW

“ ” 6625

2.35

2375.5 102.6 120

600

7

2019 “ 2019

”

100%

200 175 77

35 400 /

“ ”

“ ”

“ ”

“ ”

“ + ”

99.79% 99.95%

2.4MW

2019 170

“ ”

2019

1.1

85.2
%

90.0
%

2.8

15.4

1.9

970.8

19.9

99.9
%

19

“ ”

“ ”

110 70

2019

2,853

10.8

“ ”

“ ”

7

22 “ ”

“ ”

1200 “ ”

50% 301

2400 2000 14000

“ ”

75% 90%

“ ”

CDM
2019

2019

2019 24
13 5
6

7
“ + ”
“ ”

2019

72.5

1.5

153.1

104.0

195.8

2019 7 “ ”
“ ” 6 107
313.6

“ ”

2020

“ ”

32

32 19

“ ”

“ ” 5%

CNAS

4000 2016

“ ”

100%

93.9%

APEC G20

2019

418

1,959

17.3

2.1

32.7
%

2015 “ ”

“ ”

” “ ”

2019-2021

“ ”

4 7

“ ”

2019

2

84

12.4

4,366

94.0
%

“ ” APP “ ”

VR

4

“ e ”

“ e ”

4 13

APP

APP

GIS

“ e ”

GIS

2019 “ ” “ ”

2019

2019

1,874

16.2
%

88.2
%

61.5
%

“
” “ ” “ ”

2019

2019 11 22 2019

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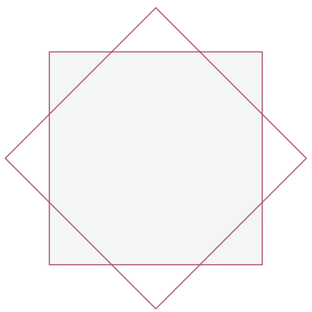
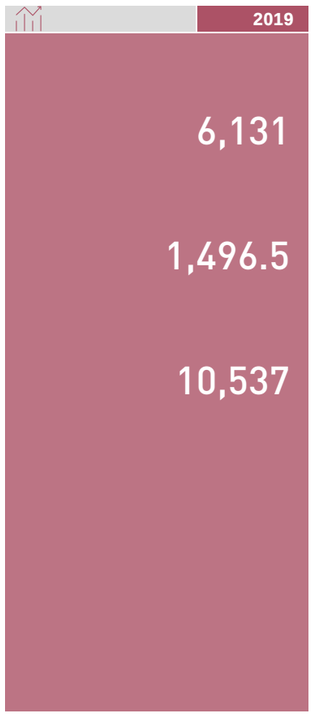
”
0.12
TFT “ ”
“ ”

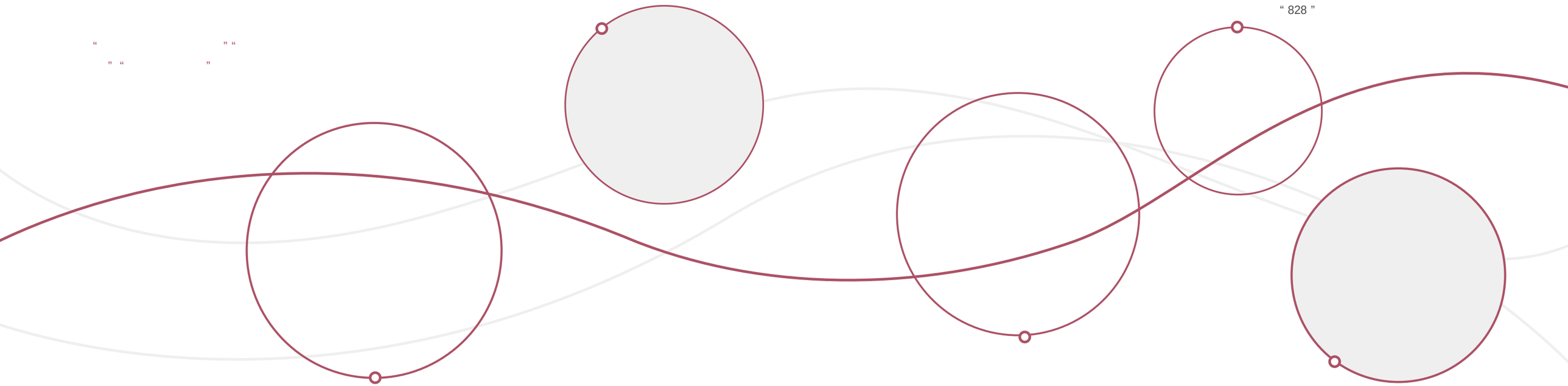


“ ”



“ 828 ”

“ ” “
” “ ”



SUSTAINABLE DEVELOPMENT GOALS

SDGs

“ + + ” “ + ”

+

“ ”

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450 4000 “ ”

2019

6004.4

14

YCC 1 8500 1 11000

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2.5 22 8

2019 12 3

“ 2019

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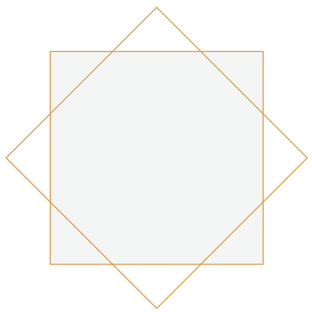
YCC



“ ”

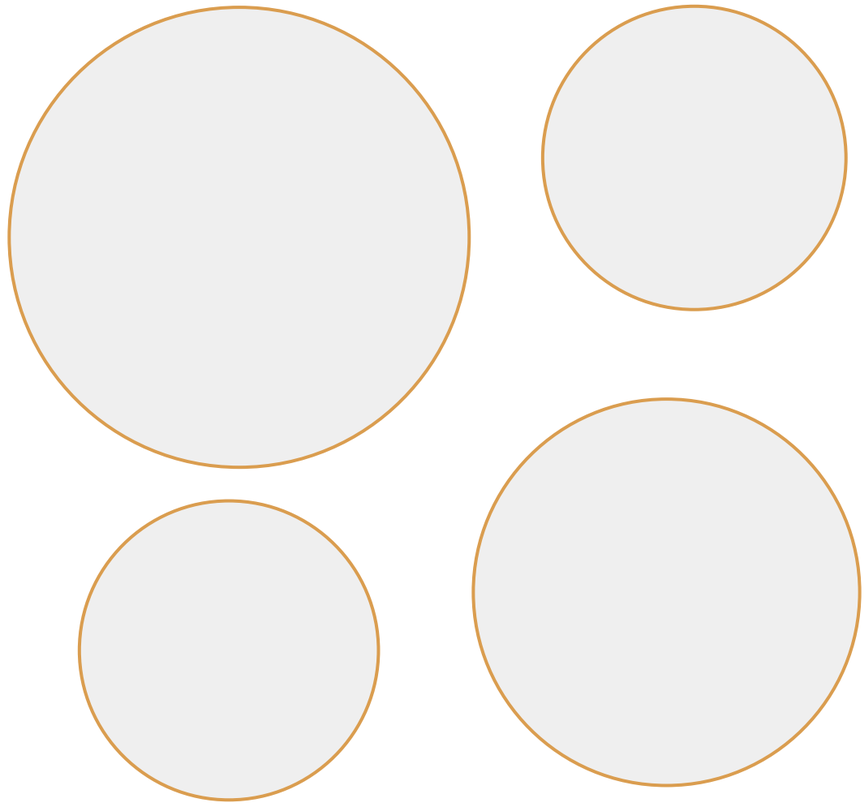
3.83 400 2019

“ ”

2019 8 1 5 “ ” “ ”

13 520 16 80

PTFE



“ ”

“ ”

2019

2218.5 10343 14243.9

®

“ ”

2019

2,218.5

10,343

14,243.9

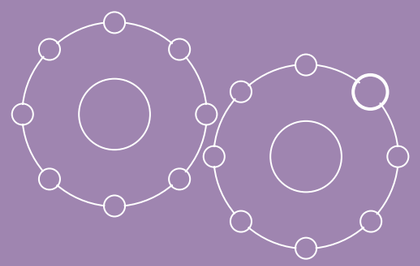
2019 11 1

“ ”

SUSTAINABLE DEVELOPMENT GOALS

SDGs

17 促进目标实现的伙伴关系



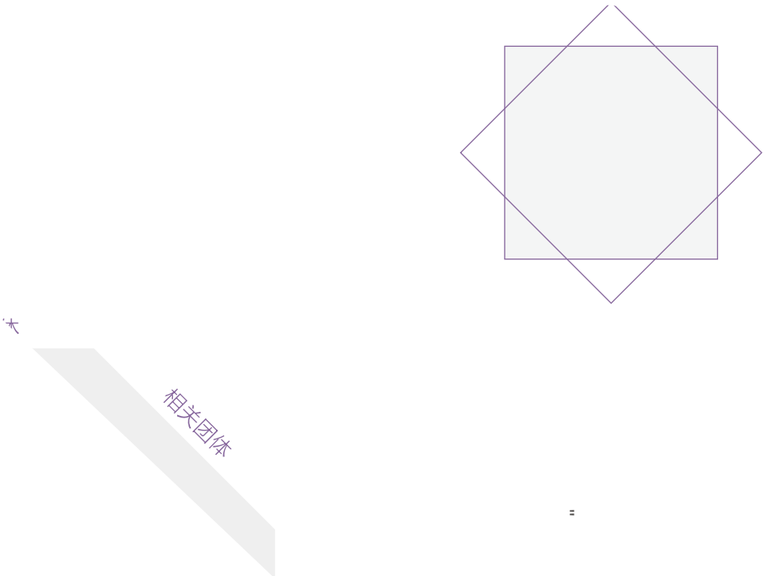
“ ”

“ ”

369

2019 300

7



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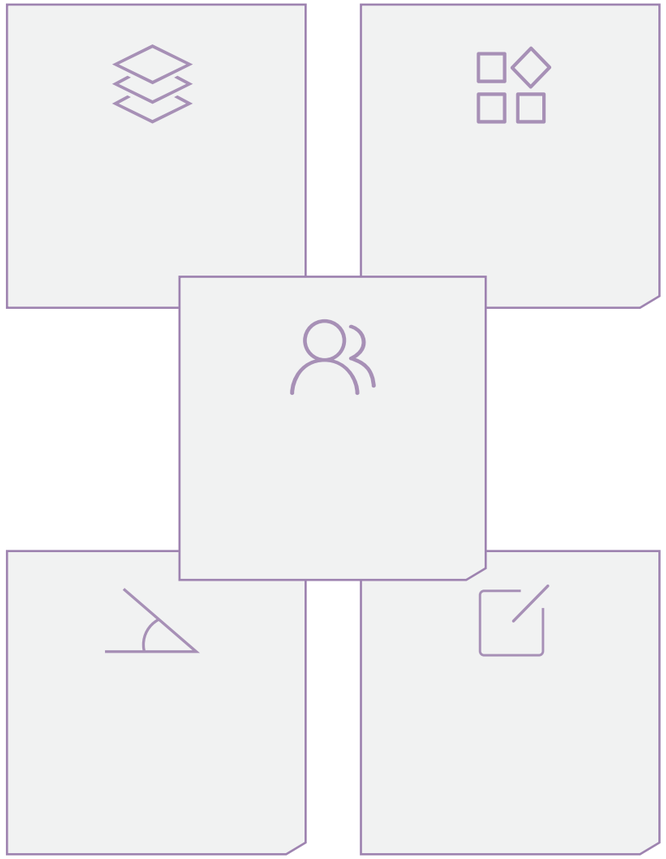


2019

4

9,419

2019

4.1

1.9

286

398

13.0

2,664.7

CSI

“ ”

+

2019

2

100%

2019

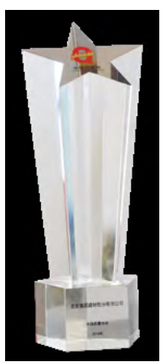
742

11.0

100
%

99.5
%

2.5



“ ”

2016-2018 “ ” “ ” “ ”

300
7 7 “ ”

2019

“ 2019 •
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2019
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500 ” “ 100 ”

2019 500 51 500
15 100 62

61 “ 2018 ”
33 “ 2018
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“ 2019 100 ”

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19 “ ”

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BAYAH GOE “ 2018-2019
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2020 1 22
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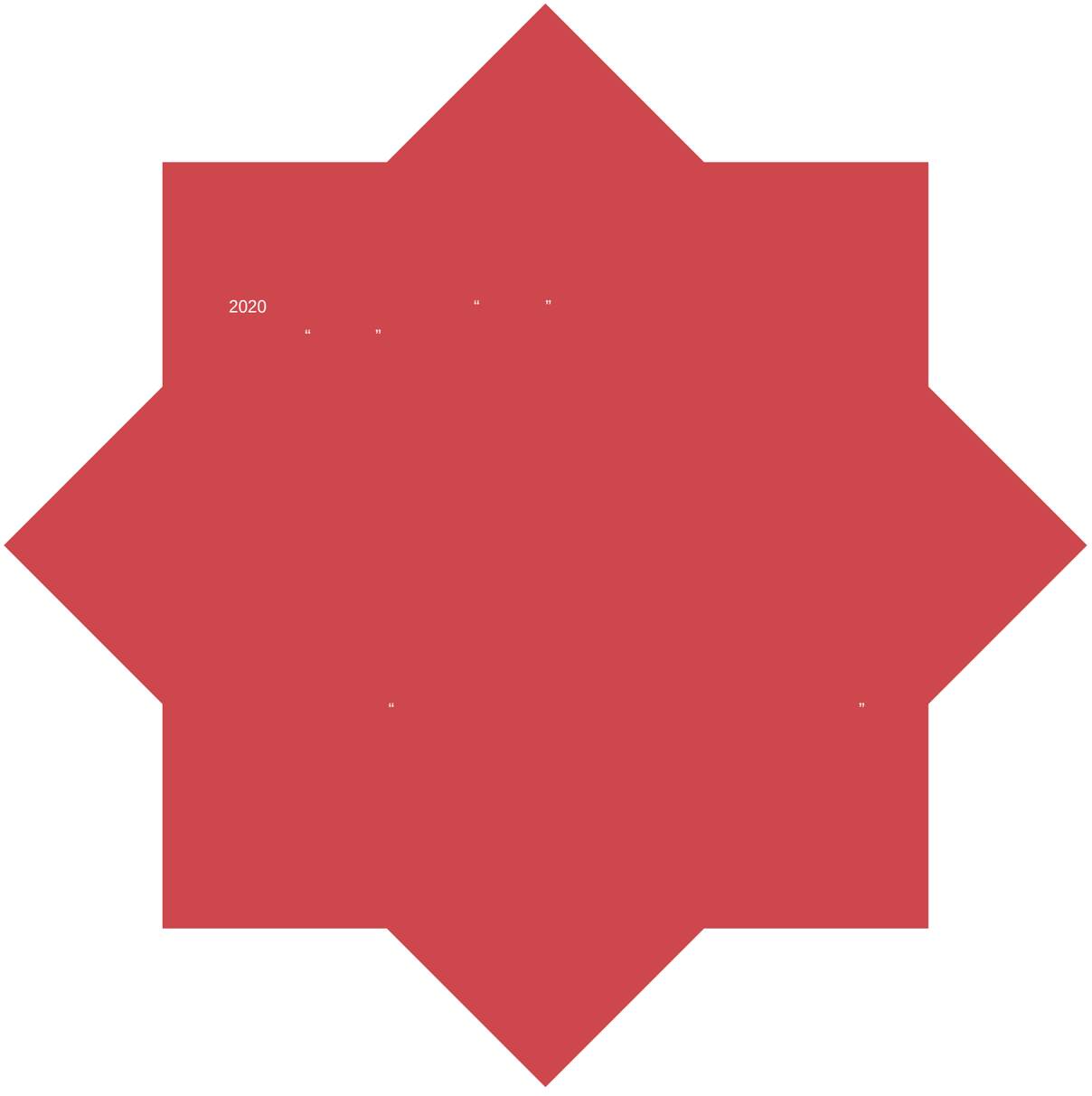
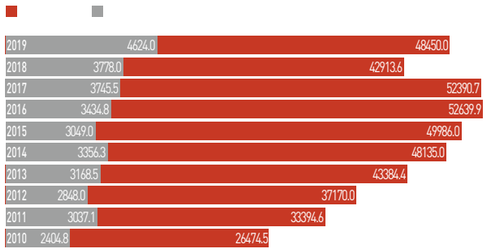
SHITSUKE


2020
“ ”
“ ”
“ ”

2019 500

2019		2019
203		52610.6
226		49300.4
397	CRH	31625.0
447	Lafargeholcim	28088.8

2010-2019



2019

	3323.HK	0.3500	1.3010
	000786.SZ	0.0820	0.2610
	600176.SH	0.1930	0.6078
	600970.SH	0.3010	0.9200
	000877.SZ	0.5100	1.5598
	600449.SH	0.5100	1.6100
	600720.SH	0.5800	1.5890
	002080.SZ	—	0.8223
	600552.SH	—	2.2900
	603126.SH	0.0700	0.2016
	600876.SH	—	0.1000
	1108.HK	—	0.0965
	002066.SZ	—	0.1110
	603060.SH	2.0300	0.6765

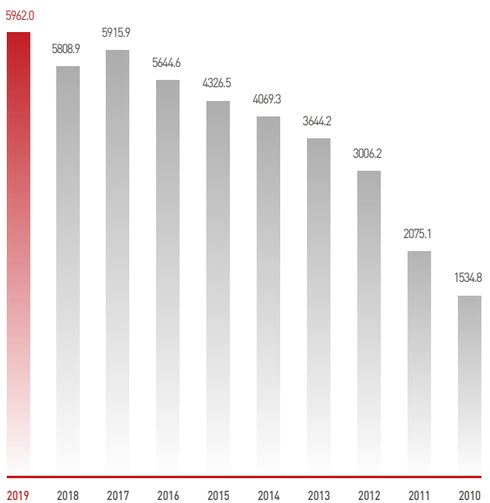
2010-2019

2019	3.7	23.3	42.0
2018	3.4	22.1	39.5
2017	3.4	23.2	41.0
2016	3.2	24.0	42.0
2015	2.4	23.5	41.0
2014	2.5	24.8	41.8
2013	2.4	24.2	40.0
2012	2.7	21.8	38.0
2011	1.9	20.1	36.0
2010	1.7	18.8	33.1

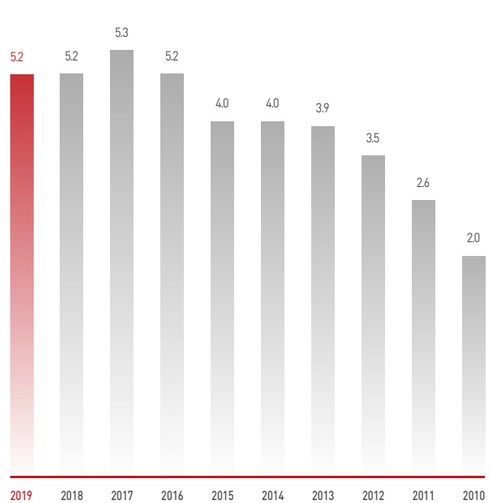
2010-2019

2019	3981.0	235.2
2018	3480.0	206.6
2017	3021.2	151.1
2016	2612.3	75.8
2015	1992.5	38.4
2014	2504.3	130.1
2013	2522.6	115.1
2012	2174.3	111.6
2011	1940.9	158.5
2010	1353.6	75.6

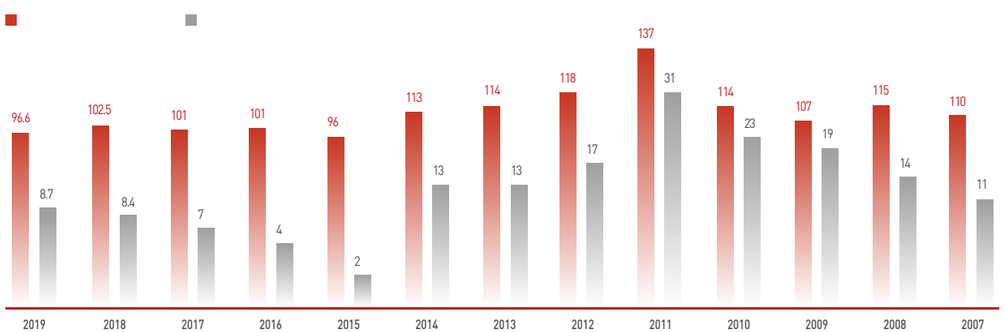
2010-2019



2010-2019



2007-2019 %



2010-2019

2019	166	3	0
2018	231	1	73
2017	197	2	66
2016	173	2	82
2015	123	0	48
2014	117	1	48
2013	145	1	54
2012	152	0	89
2011	132	2	46
2010	63	0	17

2010-2019

2019	88	0	52	36
2018	167	4	90	73
2017	122	4	90	28
2016	91	2	57	32
2015	62	2	36	24
2014	104	3	35	66
2013	59	1	8	50
2012	22	1	5	16
2011	28	1	15	12
2010	79	0	30	49

2010-2019

2019	3308	1638	1804	478
2018	2287	1056	1571	385
2017	2144	1039	1524	428
2016	2156	880	1793	455
2015	1568	566	1492	193
2014	1571	531	1381	106
2013	1262	373	848	128
2012	766	228	729	143
2011	630	170	487	80
2010	514	173	420	54

2010-2019

2019	12124	3164
2018	10967	2765
2017	10024	2403
2016	8408	1913
2015	5663	900
2014	4255	687
2013	3231	589
2012	2549	448
2011	1606	288
2010	1232	227

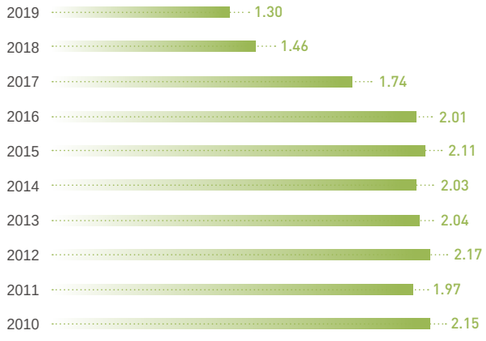
2010-2019

2019	113.3	95.9
2018	95.4	81.9
2017	77.3	59.3
2016	66.3	51.2
2015	50.6	40.9
2014	57.7	41.6
2013	54.9	36.2
2012	49.7	33.4
2011	46.7	31.6
2010	28.2	20.7

2010-2019

2019	28.4	577.6
2018	30.1	555.9
2017	16.6	468.5
2016	15.7	339.0
2015	11.5	256.5
2014	8.8	289.9
2013	10.3	259.4
2012	9.4	248.4
2011	11.0	240.3
2010	14.1	158.4

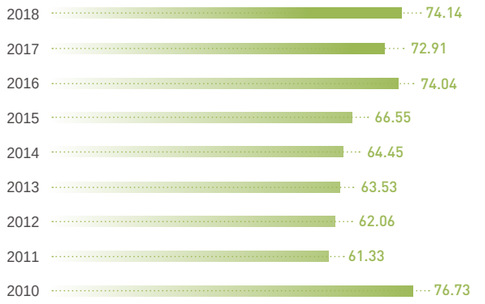
2010-2019 /



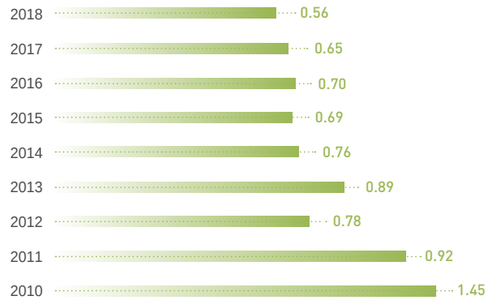
2010-2019 SO_2 COD /

	SO_2	COD
2019	0.62	0.03
2018	1.09	0.03
2017	1.07	0.03
2016	1.60	0.05
2015	1.46	0.06
2014	1.36	0.06
2013	1.39	0.07
2012	1.45	0.07
2011	1.60	0.12
2010	2.33	0.12

2010-2019 /



2010-2019 /



2011-2019

		%
2019	14967	99.9
2018	9900	92.8
2017	15615	99.0
2016	14909	88.6
2015	7545	98.5
2014	7882	98.0
2013	6191	99.2
2012	9700	100
2011	6500	100

2011-2019

	/	/	%
2019	3.6	0.34	90.0
2018	7.9	0.45	90.8
2017	7.1	0.51	96.2
2016	6.2	0.38	93.7
2015	7.2	0.46	93.5
2014	6.2	0.41	90.3
2013	8.0	0.41	96.4
2012	5.0	0.33	94.7
2011	5.5	0.37	—

2010-2019

2019	204763	483	5808	1729	16.2%
2018	208680	1059	5167	1697	18.7%
2017	221421	750	5985	1732	18.4%
2016	234511	1126	5964	1875	18.3%
2015	176610	841	3521	1449	17.2%
2014	176854	892	3120	2263	18.4%
2013	179421	1234	3031	1685	18.1%
2012	165652	1190	2706	1620	13.5%
2011	126385	594	3516	1023	11.6%
2010	112676	397	1566	599	24.0%

2010-2019 %

2019	100	92	78
2018	100	90	78
2017	100	98	92
2016	100	98	91
2015	100	98	91
2014	93	88	70
2013	96	92	75
2012	96	92	80
2011	94	91	73
2010	88	87	—

2010-2019

2019	207	56174
2018	100	35644
2017	74	24093
2016	71	22871
2015	68	22165
2014	67	21750
2013	67	21131
2012	66	20392
2011	53	13368
2010	38	12811

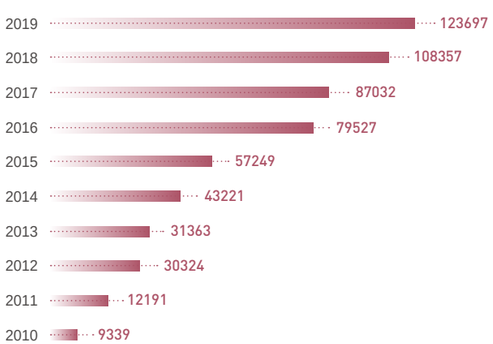
2011-2019

2019	107787	137	1679
2018	75187	485	1424
2017	52676	112	2251
2016	47554	331	3028
2015	32672	133	2882
2014	43352	91	3520
2013	37491	164	2387
2012	21028	126	1138
2011	11975	108	1580

2011-2019

2019	27763	3890	22
2018	26553	3626	141
2017	29612 2018		

2010-2019



2010-2019

	‰	
2019	0.4	1
2018	0.5	1
2017	0.5	2
2016	0.5	0
2015	0.9	3
2014	1.3	2
2013	1.6	1
2012	2.3	3
2011	1.4	19
2010	1.5	24

2011-2019

2011-2019

			GRI G4	CASS-CSR4.0
			G4-18 G4-28-G4-31	P1.1-P1.3
			G4-1 G4-2	P2.1 P2.2 P3.1 P3.2 G2.1-G2.3
			G4-3-G4-8 G4-13 G4-34 G4-38 G4-40 G4-56	P4.1-P4.4 G1.1 G1.2
			G4-42 G4-46 G4-58 G4-EC7 G4-SO3	M1.1 M1.3 M2.4 S1.4, M2.2-M2.7
			G4-EC4	M2.4-M2.7
			G4-EN29 G4-EN31	E1.7-E1.10
			G4-EN3	E1.1-E1.5 E2.5
			G4-EN5 G4-EN15 G4-EN19 G4-EN21-G4-EN23	E2.6 E2.7 E2.10-E2.12 E2.15 E2.16 E2.25
			G4-EN6 G4-EN7	E2.3 E2.4 E2.6
			G4-LA6	S3.1-S3.7
			G4-9 G4-10 G4-LA1 G4-LA9 G4-LA10 GE-LA12 G4-HR1-G4-HR5	S2.1-S2.10 S2.14-S2.16 S2.19
			G4-HR8-G4-HR12	S2.11-S2.13 S2.17 S2.18,

01

02 CSR

03

04

05

06 CSR
CSR

07

08

09 2019

10

11

2019

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2019

一、评级依据

CASS-CSR 4.0

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2020

二、评级过程

1.

2.

3.

三、评级结论

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369 “
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2019

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中国企业社会责任报告
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92.25%

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