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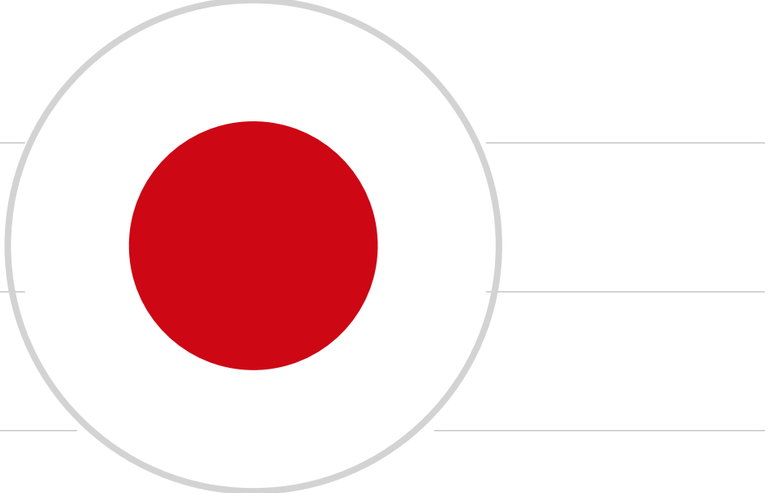

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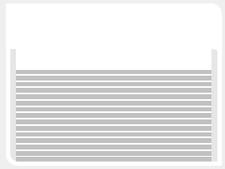

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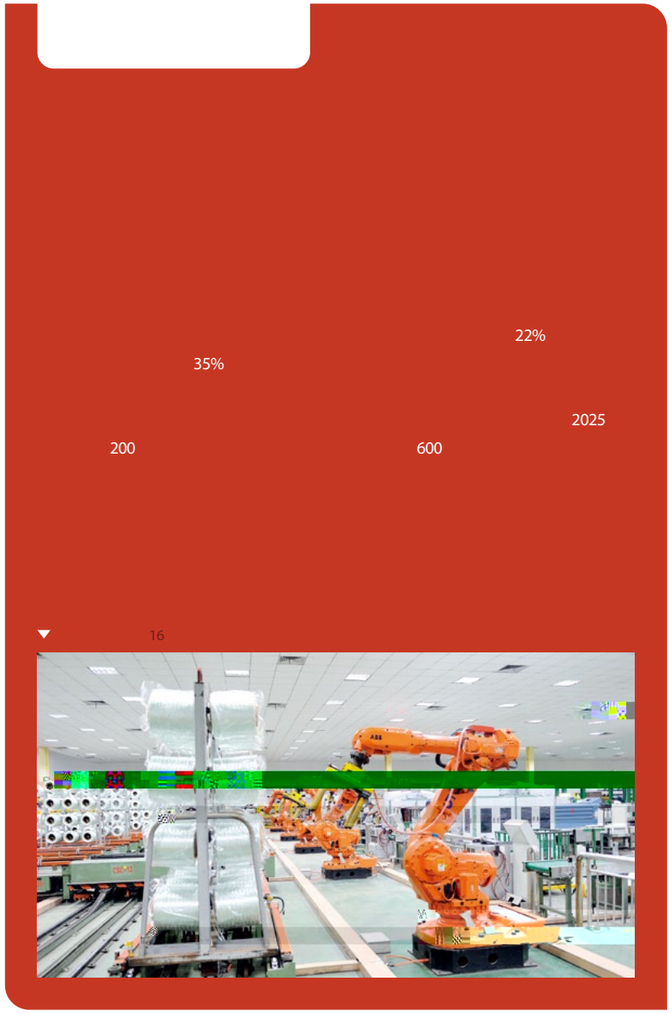

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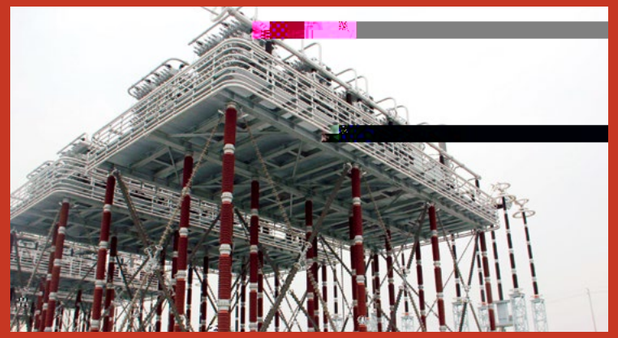

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	/ +´ È(è)° G-A/£@ë@ÎK•	7ü Z }L‹Fþ ‹-, G@ë@Î-A/£K• 6K} ™ %
	>¬ ¶ Æ € } Æ-A/£@ë@ÎK•	ž I GK£*$-A/£@ë@ÎK• 6K} ™ %
	åK`K£*$-A/£@ë@ÎK•	D Ù Z } ç £ €-A/£K• 6K} ™ %
	D¨ G š g*b@ë@Î-A/£K•	7ü #$ L!a" c î-A/£K• 6K} ™ %
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	D¨ G>¬ ¶ g Ý@ë@Î-A/£ m	“!v '0~ } Æ G@ë@Î-A/£K• 6K} ™ %
	D¨ G7 Õ C-A/£ m	Z }Kó .þ - - þ Z ð 6K} ™ %
	7ü K_!a-A/£K•	Z }]BU /8 -A/£K• 6K} ™ %
* ãFú%æ ËO¹ Ñ3 W	4,7Ý '0~ } Æ * ãFú%æ ËO¹ Ñ	¦.ú3Ñ4! : 5 } Æ * ãFú%æ ËO¹ Ñ
	"›" (è)° Ý - \ * ãFú%æ ËO¹ Ñ	
* ã /8 ËO¹ Ñ 1 W	c"sEM3å * ã /8 ËO¹ Ñ	
* ã /8U• - \UŽ -A/£ Z ð 8 W	* ã(è)°# Í /8 - \-A/£ Z ð	* ãL‹Fþ ‹-,# Í /8 - \-A/£ Z ð
	* ã >6/ ' : 5 } Æ /8 - \-A/£ Z ð	* ã GK£*$ /8 - \-A/£ Z ð
	(è)° G7¯6* - \ * ã] æ5• 5 /8-A/£ Z ð	* ã3Ñ4! Ë g N ~ Æ /8 - \-A/£ Z ð
	* ã(è)°3Ñ4! ÷ c î /8 - \-A/£ Z ð	!a" 7¯6*(Ü /8 * ã-A/£ Z ð
* ã@Ñ Ç . G - \ Z ð 16 W	Z * ' }Kó 6K} ™ % - \ Z ð	6 { . G (Kó) 5Î * 6K} ™ % - \ Z ð
	D Ý ' } (Kó) 6K} ™ % - \ Z ðU• 3 Z ðUŽ	Z }=ò 4Kó 6K} ™ % - \ Z ð
	Z#"HK‘›'(è)°Kó 6K}ÐP (™%-\ZðU•3ZðUŽ	" ž(è)°3Ñ4! 6K} ™ % - \ Z ð
	E¾#ZŒD:5}ÆKó 6K}™%-\ZðU•3ZðUŽ	" ž(è)°3Ñ4!Eæ û 6K} ™ % - \ Z ðU• 3 Z ðUŽ
	55Ò.‹O™.þ -5Î * 6K} ™ % - \ Z ðU• 3 Z ðUŽ	Ý*³ *4 0Î€€5Î * 6K} ™ % - \ Z ð
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K• ‰0 4 W	Z * '0~ } Æ.þ “-A/£ hK•K• ‰0	Eþ /!a" G*U Ì6* ¸5=%˜} ÆK• ‰0
	¦¹ (è)° G@ë@Î-A/£K•K• ‰0	!Œ7ü,. . GK• ‰0
‡ ;.þ-A ‰0 14 W	Z * '0~ } Æ.þ “-A/£ hK• ‡ ;.þ-A ‰0	¦¹ (è)° G@ë@ÎK• ‡ ;.þ-A ‰0
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	, Fú 6K} ™ % ‡ ;.þ-A ‰0	Z *"HK‘"›" (è)°Kó 6K} ™ % ‡ ;.þ-A ‰0
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	Z :E D : 5 } ÆKó 6K} ™ % ‡ ;.þ-A ‰0	„ Ù(è)°3Ñ4!-A/£@ë@ÎK• . G ‡ ;.þ-A ‰0
‡ ;.þ-A"n Õ0 1 W	Z * '0~ } Æ.þ “-A/£ hK• ‡ ;.þ-A"n Õ0	
G Ô îBUFü Ô c ; - \@ñ $ ËO¹ Ñ 10 W	GU• '0~ } Æ1¨UŽ Ô îBUFü Ô c ¹ - \@ñ $ ËO¹ Ñ CTC	GU• Æ € xL• ÷E€C *U '0~ } ÆUŽ Ô îBUFü Ô c ¹ - \@ñ $ ËO¹ Ñ
	GU• '0~ ˜*LK£*$ ÷ ˜'¡ Ô îUŽ Ô îBUFü Ô c ¹ - \@ñ $ ËO¹ Ñ	GU•L‹Fþ ‹-, c îUŽ Ô îBUFü Ô c ¹ - \@ñ $ ËO¹ Ñ
	GU•D¨ g ÝUŽ Ô îBUFü Ô c ¹ - \@ñ $ ËO¹ Ñ	GU•(è)°UŽ Ô îBUFü Ô c ¹ - \@ñ $ ËO¹ Ñ
	GU•(è)°3Ñ4! ÷4 & } ÆUŽ Ô îBUFü Ô c ¹ - \@ñ $ ËO¹ Ñ	GU•Ì=•UŽ Ô îBUFü Ô c ¹ - \@ñ $ ËO¹ Ñ
	GU•=òN•=ò ' }UŽ Ô îBUFü Ô c ¹ - \@ñ $ ËO¹ Ñ	GU• : 5 } ÆUŽ Ô îBUFü Ô c ¹ - \@ñ $ ËO¹ Ñ
* ã3Ô *Kr.þ - 5 ‰ '] 3 W	4,7Ý '0~ } Æ *Kr.þ - 5 ‰ ']	* ãP ¸4 4E } Æ-A/£ - þ *Kr.þ - 5 ‰ ']
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* ã3Ô.þ-A@ë@ÎK• m 26 ã	Z * '0~ } Æ.þ “-A/£ hK•	V"R!a" @ë@Î-A/£K• 6K} ™ %
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	¦¹ (è)° G@ë@Î-A/£K•	=F* '0~ } Æ G@ë@Î-A/£K• 6K} ™ %
	Z * Ý ¸ ' }@ë@Î-A/£K•	„ Ù(è)°3Ñ4!-A/£@ë@ÎK• 6K} ™ %
	õ A$ (è)°lÏ-A/£K•	D Ù(èlÏK• : 5 } Æ 6K} ™ %
	/ +´ È(è)° G-A/£@ë@ÎK•	7ü Z }L‹Fþ ‹-, G@ë@Î-A/£K• 6K} ™ %
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	D¨ G7 Õ C-A/£ m	Z }Kó .þ - - þ Z ð 6K} ™ %
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* ãFú%æ ËO¹ Ñ3 W	4,7Ý '0~ } Æ * ãFú%æ ËO¹ Ñ	¦.ú3Ñ4! : 5 } Æ * ãFú%æ ËO¹ Ñ
	"›" (è)° Ý - \ * ãFú%æ ËO¹ Ñ	
* ã /8 ËO¹ Ñ 1 W	c"sEM3å * ã /8 ËO¹ Ñ	
* ã /8U• - \UŽ -A/£ Z ð 8 W	* ã(è)°# Í /8 - \-A/£ Z ð	* ãL‹Fþ ‹-,# Í /8 - \-A/£ Z ð
	* ã >6/ ' : 5 } Æ /8 - \-A/£ Z ð	* ã GK£*$ /8 - \-A/£ Z ð
	(è)° G7¯6* - \ * ã] æ5• 5 /8-A/£ Z ð	* ã3Ñ4! Ë g N ~ Æ /8 - \-A/£ Z ð
	* ã(è)°3Ñ4! ÷ c î /8 - \-A/£ Z ð	!a" 7¯6*(Ü /8 * ã-A/£ Z ð
* ã@Ñ Ç . G - \ Z ð 16 W	Z * ' }Kó 6K} ™ % - \ Z ð	6 { . G (Kó) 5Î * 6K} ™ % - \ Z ð
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	Z ~"¤"í ‡ ; ‰0 D Ý ' } 30	Ý*³ V ž!a" 5Î * 6K} ™ % ‡ ;.þ-A ‰0
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	GU• '0~ ˜*LK£*$ ÷ ˜'¡ Ô îUŽ Ô îBUFü Ô c ¹ - \@ñ $ ËO¹ Ñ	GU•L‹Fþ ‹-, c îUŽ Ô îBUFü Ô c ¹ - \@ñ $ ËO¹ Ñ
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	GU•(è)°3Ñ4! ÷4 & } ÆUŽ Ô îBUFü Ô c ¹ - \@ñ $ ËO¹ Ñ	GU•Ì=•UŽ Ô îBUFü Ô c ¹ - \@ñ $ ËO¹ Ñ
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* ã3Ô *Kr.þ - 5 ‰ '] 3 W	4,7Ý '0~ } Æ *Kr.þ - 5 ‰ ']	* ãP ¸4 4E } Æ-A/£ - þ *Kr.þ - 5 ‰ ']
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¹ ± Ô p Ñ0v*† | ç zU Fú>ó.þ-A
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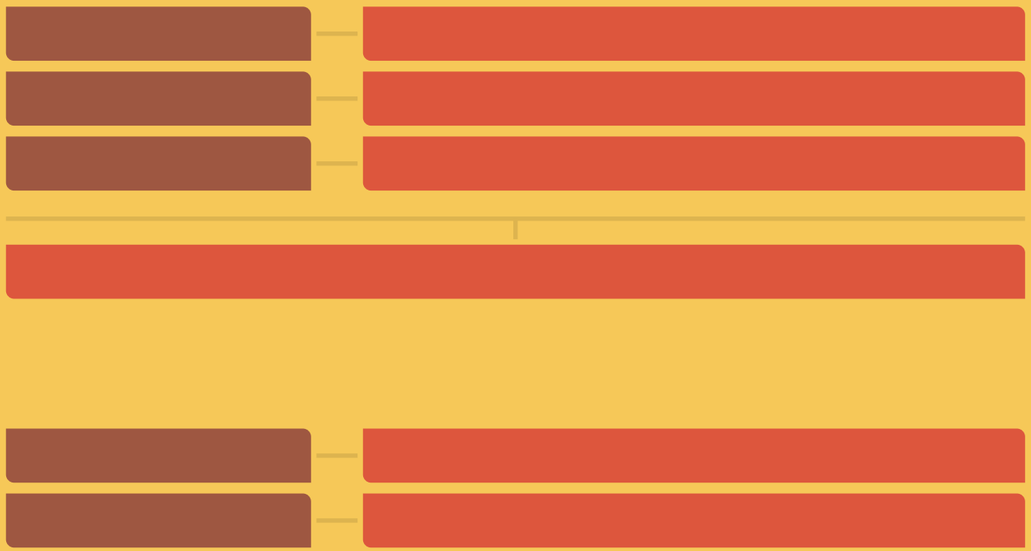
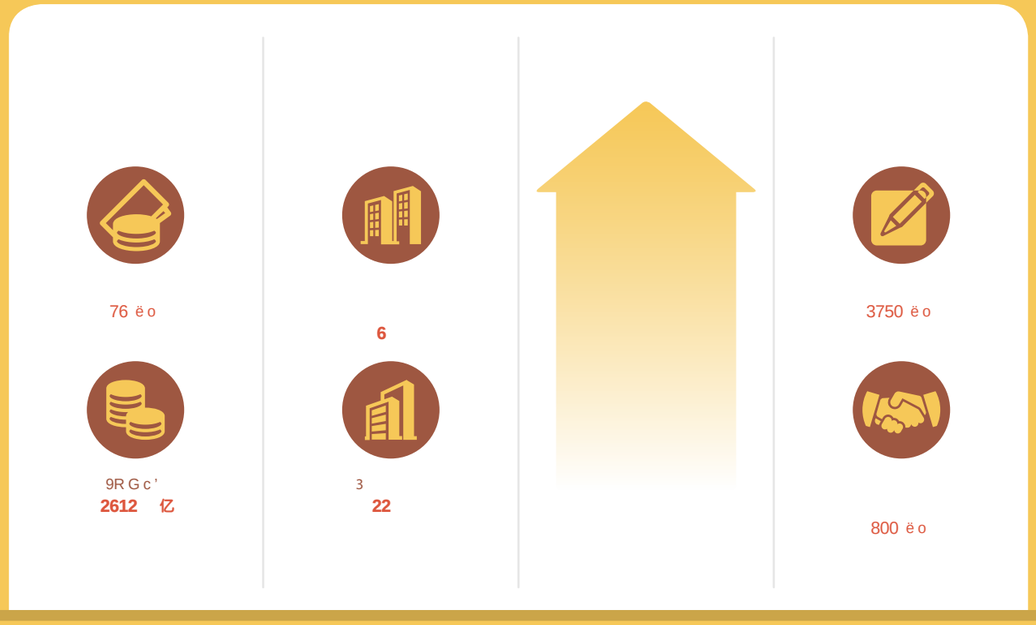
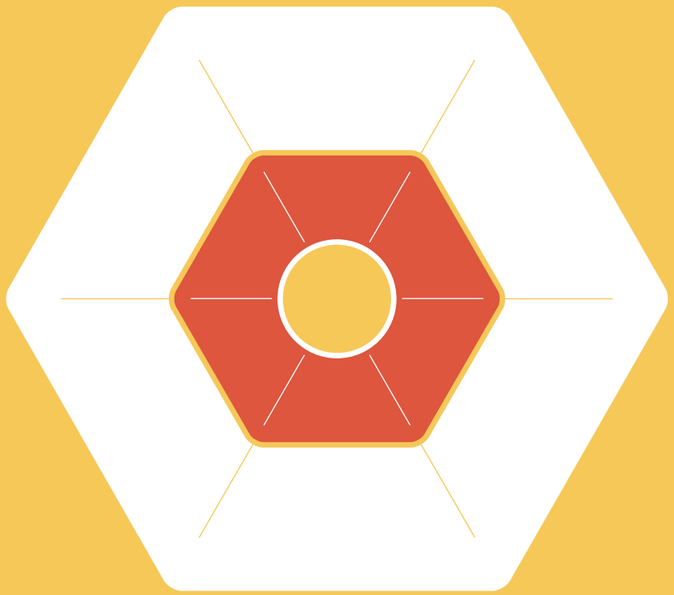


2016





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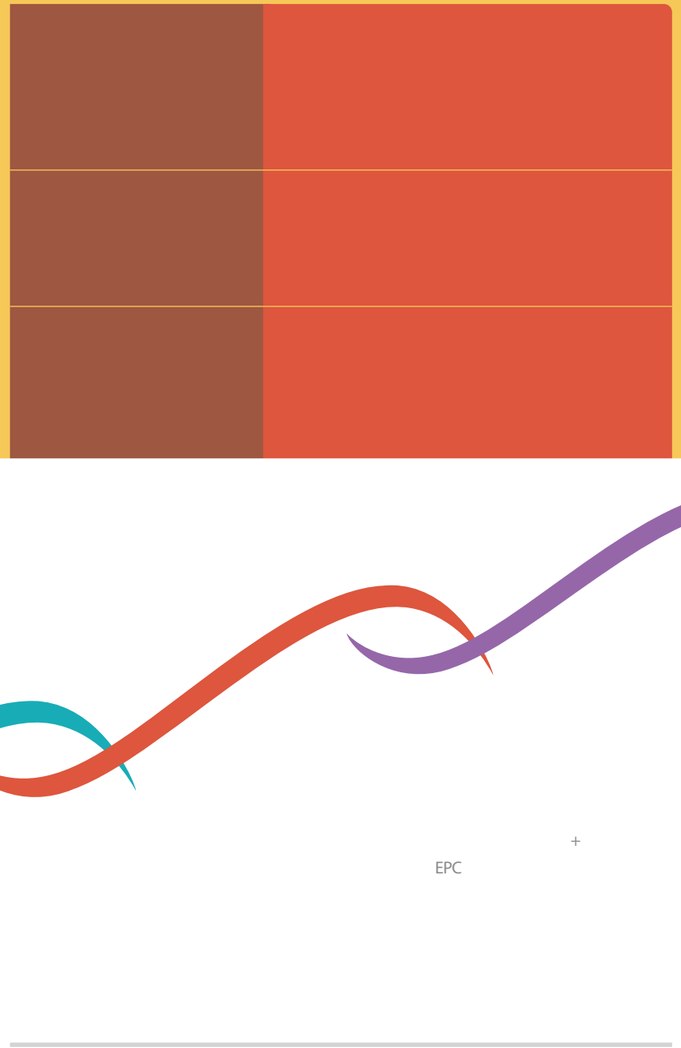

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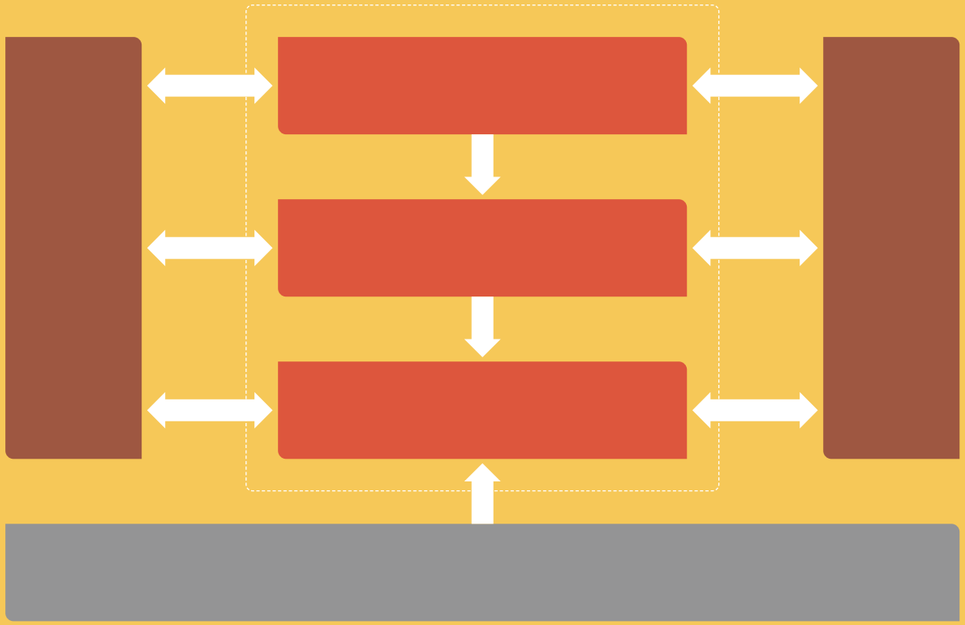

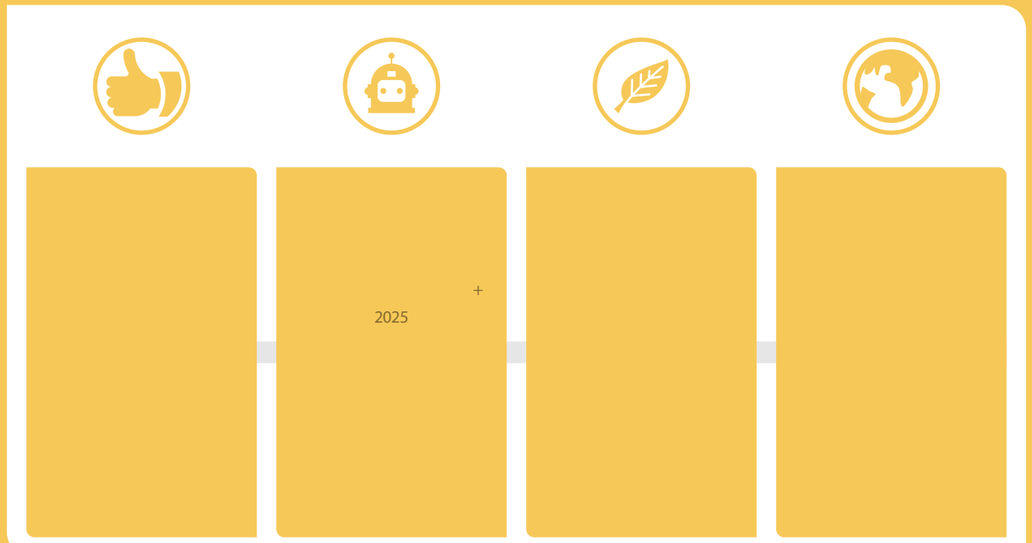

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2025

2016 500

2010-2016

2016		2015
196		46169.2
327		31705.5
411	CRH	26217.8
438	Lafargeholcim	24513.7

2010-2016 P.O42.5

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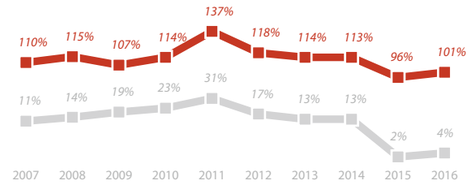
2010-2016

2007-2016



2010-2016

2010	2011	2012	2013	2014	2015	2016
63	132	152	145	117	123	173
0	2	0	1	1	0	2
17	46	89	54	48	48	82

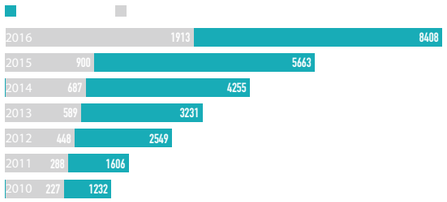
2010-2016

2010	2011	2012	2013	2014	2015	2016
79	28	22	59	104	62	91
0	1	1	1	3	2	2
30	15	5	8	35	36	57
49	12	16	50	66	24	32

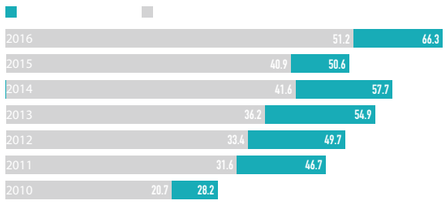
2010-2016

2010	2011	2012	2013	2014	2015	2016
514	630	766	1262	1571	1568	2156
173	170	228	373	531	566	880
420	487	729	848	1318	1492	1793
54	80	143	128	106	193	455

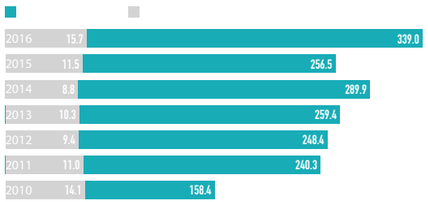
2010-2016



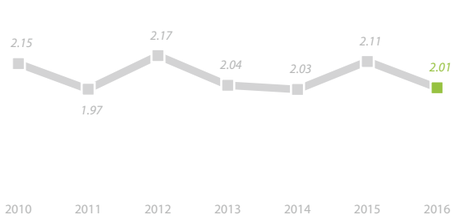
2010-2016



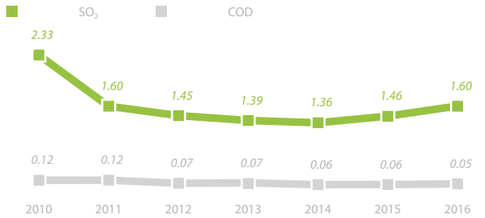
2010-2016



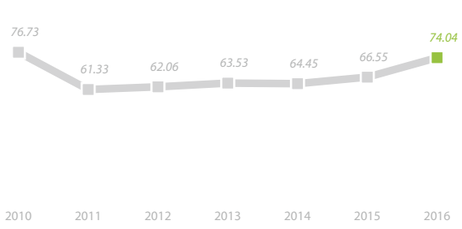
2010-2016 /



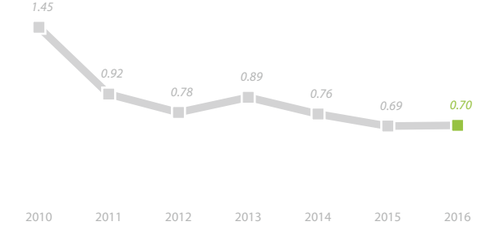
2010-2016 SO_2 COD /



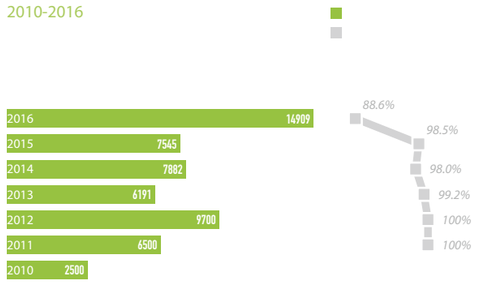
2010-2016 /



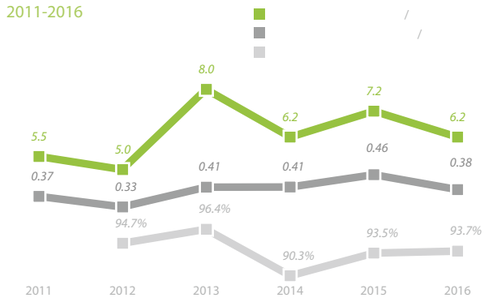
2010-2016 /



2010-2016



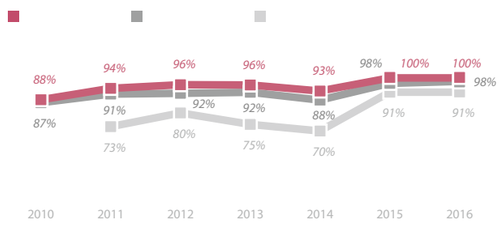
2011-2016 / /



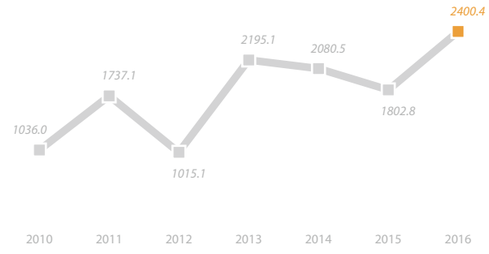
2010-2016

2010	2011	2012	2013	2014	2015	2016
112676	126385	165652	179421	176854	176610	234511
397	594	1190	1234	892	841	1126
1566	3516	2706	3031	3120	3521	5964
599	1023	1620	1685	2263	1449	1875
24.0%	11.6%	13.5%	18.1%	18.4%	17.2%	18.3%

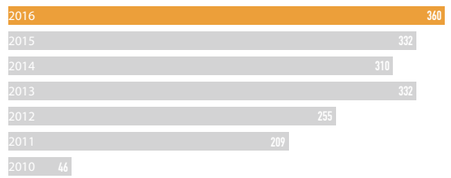
2010-2016



2010-2016



2010-2016



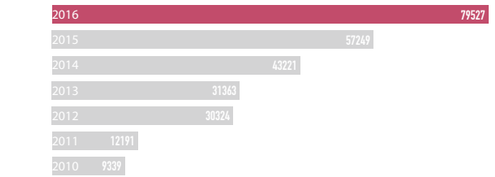
2010-2016

2010	2011	2012	2013	2014	2015	2016
38	53	66	67	67	68	71
12811	13368	20392	21131	21750	22165	22871

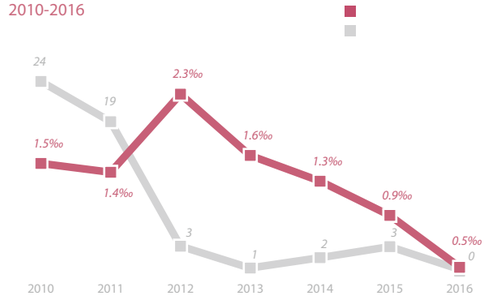
2011-2016

2011	2012	2013	2014	2015	2016
11975	21028	37491	43352	32672	47554
108	126	164	91	133	331
1580	1138	2387	3520	2882	3028

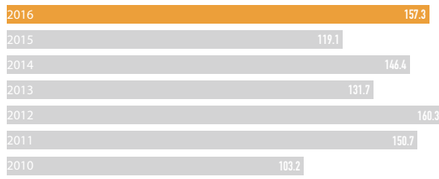
2010-2016



2010-2016



2010-2016



2011-2016

2011	2012	2013	2014	2015	2016
21182	15901	16081	23617	16929	22342
4276	3743	4383	3848	2473	3129
241	521	158	46	10	23

2011-2016

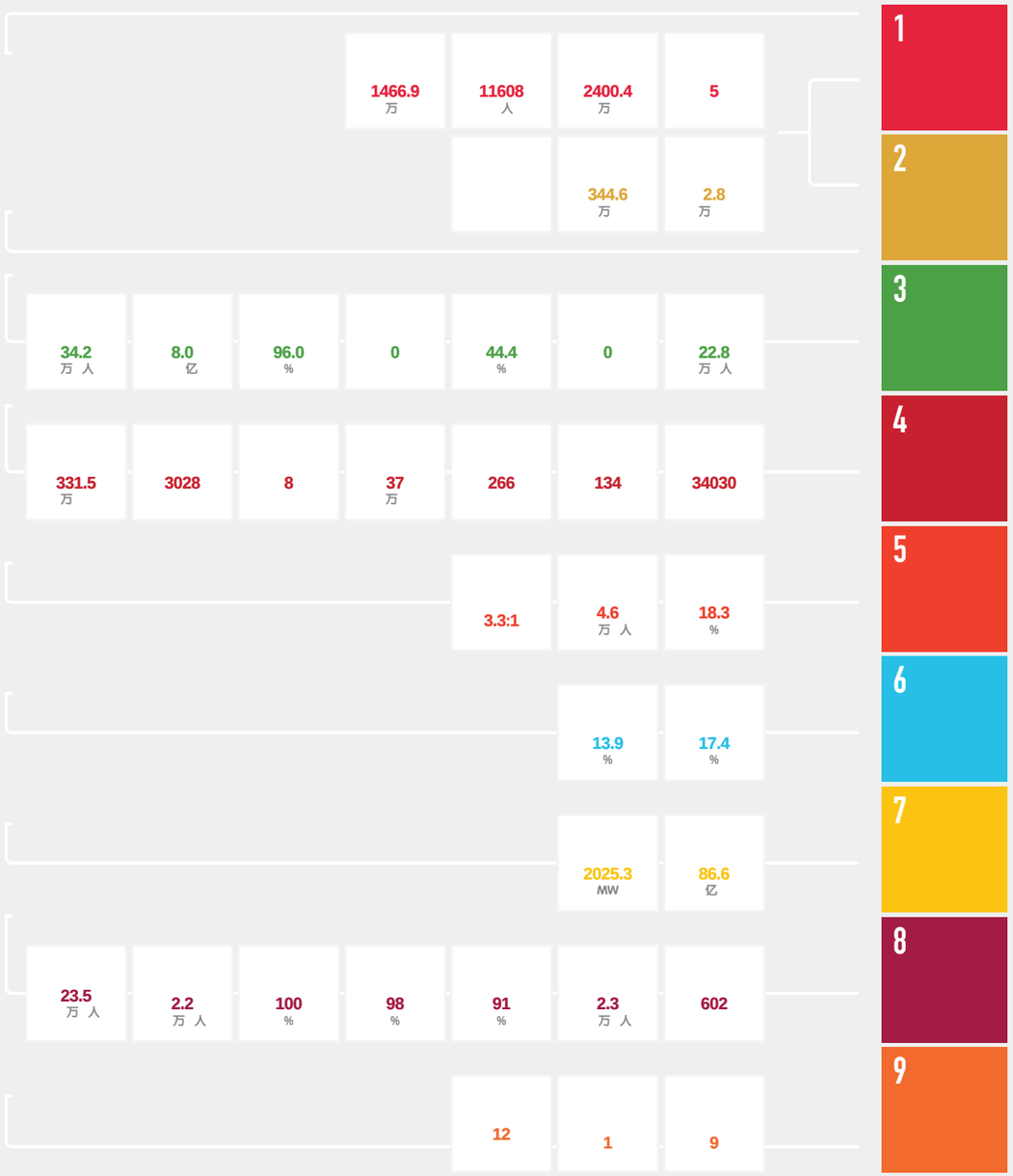
2011	2012	2013	2014	2015	240EB2FF021404DA60E83

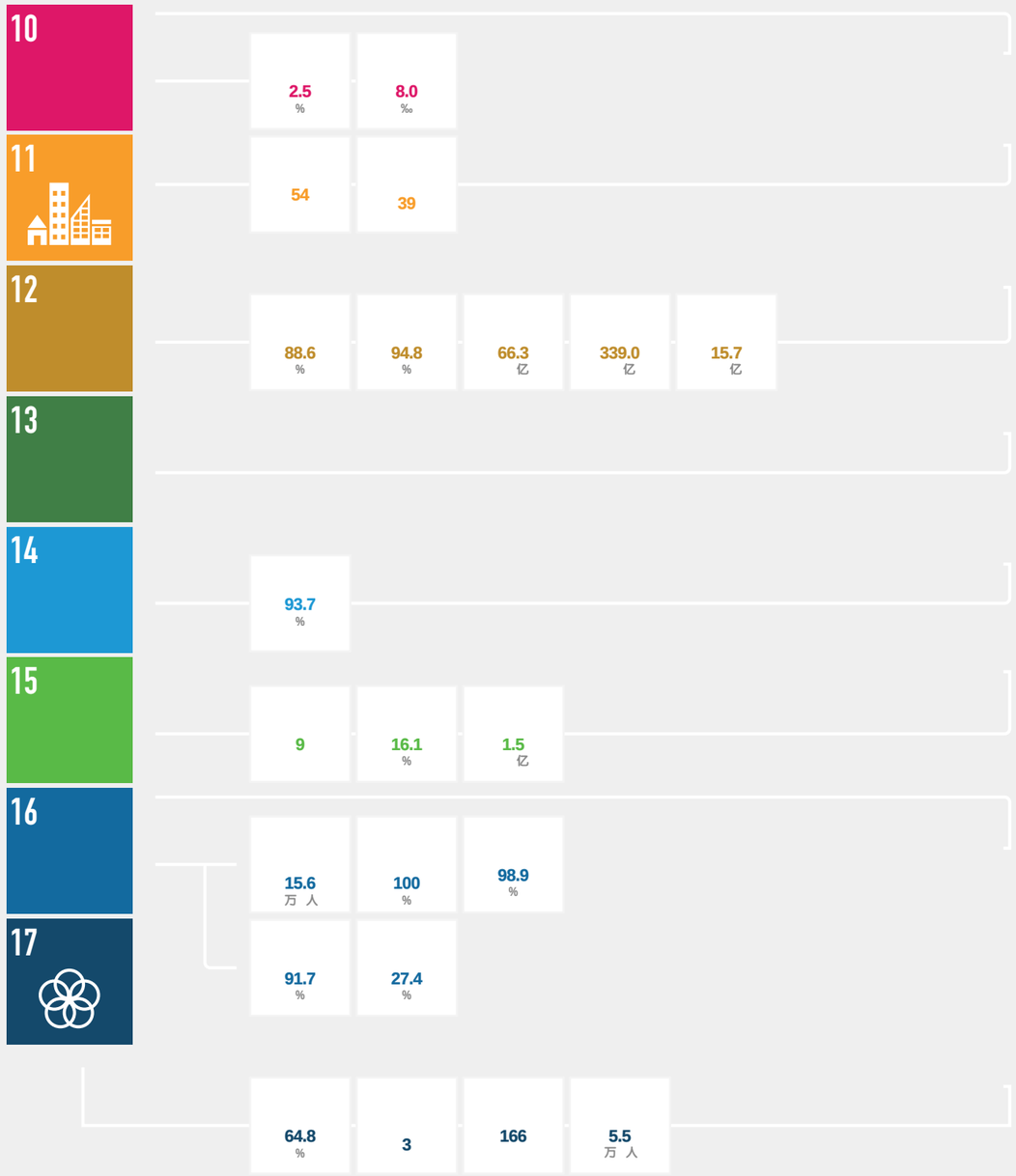
(SDGs)

2015 9 25 17 2015
2030

SDGs

2016





CASS-CSR3.0

P

P1.1		
P1.2		
P1.3		
P1.4		
P1.5		
P2.1		P1
P2.2		P68
P2.3		P68-69
P3.1		P4-5
P3.2		P4-5
P4.1		P6
P4.2		P9-11
P4.3		P6, P9-11
P4.4		P9-11
P4.5		P48, P84
P4.6		P70-71
P4.7		
P5.1		P71
P5.2		P80-85
P5.3		P71

G

G1.1		P64-65
G1.2		P70-71
G1.3		P64, P68
G1.4		P66
G2.1		P66
G2.2		P68-69
G2.3		P66
G2.4		P66
G2.5		P66
G3.1		P66
G3.2		P70
G4.1		P66-67
G4.2		P66
G4.3		P66
G4.4		
G5.1		P69
G5.2		P68
G5.3		P69
G5.4		P68
G5.5		P68
G5.6		P68
G6.1	CSR	P70
G6.2		P70-P71
G6.3		P70
G6.4		P66

M

M1.1		P19
M1.2		P19
M1.3		P19
M1.4		P80-81
M1.5		P80-81
M1.6		P80-81
M2.1		P20
M2.2		P20
M2.3		P20
M2.4		P20

M

M2.5		P20
M2.6		
M2.7		P26
M2.8		P24, 82
M2.9		P24
M2.10		P82
M2.11		P82
M2.12		P82
M2.13		
M2.14		P20
M3.1		P21
M3.2		P18
M3.3		P18
M3.4		P18
M3.5		P70
M3.6		P70
M3.7		P70
M3.8		P70
M3.9		P70
M3.10		P70
M3.11		
M3.12		P70

S

S1.1		P18
S1.2		P18
S1.3		P18
S1.4		P18
S1.5		P12
S1.6		P21
S1.7		P21
S1.8		P52
S2.1		P84
S2.2		P49
S2.3		P49
S2.4		P84
S2.5		P49
S2.6		P48
S2.7		P48
S2.8		P50
S2.9		P84
S2.10		P48
S2.11		P48
S2.12		P50-51
S2.13		P84
S2.14		P84
S2.15		P84
S2.16		P47
S2.17		P46
S2.18		P46
S2.19		P84
S2.20		P44-45
S2.21	/	P47
S2.22		P46
S2.23		P46
S2.24		P50
S2.25		P50
S2.26		P84

S

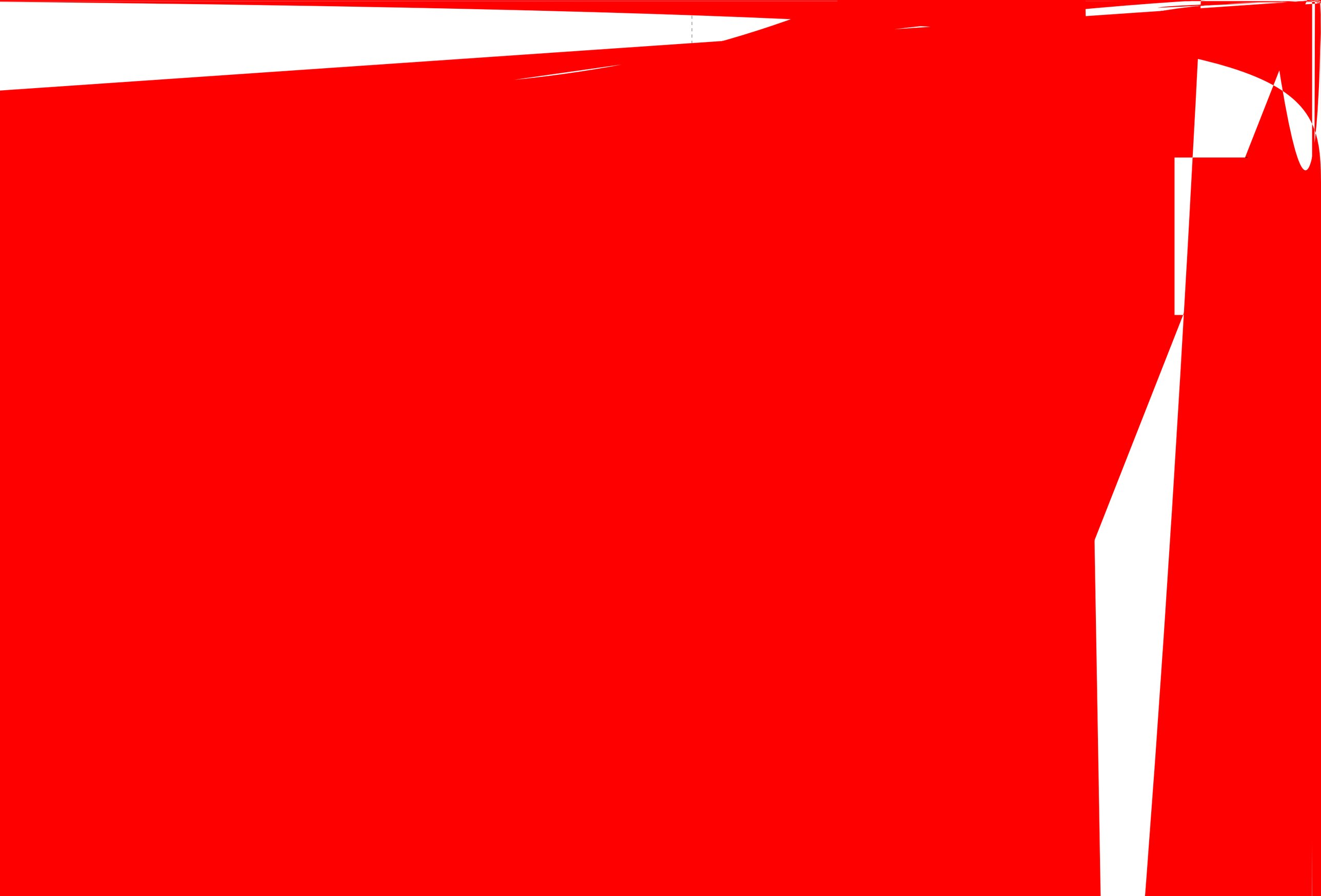
S2.27		P51
S2.28		P51
S2.29		P51
S2.30		P42
S2.31		P42
S3.1		P44-45
S3.2		P44
S3.3		P45
S3.4		P46
S3.5		P46
S3.6		P44
S3.7		P44
S4.1		P34-35
S4.2		P34
S4.3		P34-35
S4.4		P54
S4.5		P54-55
S4.6		P55
S4.7		P55
S4.8		P54
S4.9		P58-59
S4.10	/	
S4.11		P58
S4.12		P58
S4.13		P59
S4.14		P59

E

E1.1		P35
E1.2		P34
E1.3		P35
E1.4		P34
E1.5		P32
E1.6		P35
E1.7		P35
E1.8		P35
E1.9		P35
E1.10		P35
E1.11		P35
E1.12		P35
E1.13		
E2.1		P34-37
E2.2		P34-37
E2.3		P37
E2.4		P83
E2.5		P36
E2.6		P83
E2.7		P36
E2.8		P83
E2.9		P36
E2.10		P83
E2.11		P36
E2.12		P83
E2.13		P36
E2.14		P83
E2.15		P36
E2.16	/	P83
E2.17		P37

E

E2.18		P36
E2.19		
E3.1	ISO14000	P70
E3.2		P40
E3.3		
E3.4		P38-39
E3.5		P36
E3.6		P40
E4.1		P34
E4.2		P34, 36
E4.3		P34, 36
E4.4		
E4.5		P35

(A)

(A1)	P5, 66
(A2)	P92
(A3)	P88-91
(A4)	P93