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( )

2010-2012

Universal Scientiÿc Industrial de M¯xico, S.

A.de C. V.

2013 (2013 1 1 2013 12 31)

(Global Reporting Initiative, GRI) 4.0

SGS Taiwan Ltd. GRI G4.0 AA1000 AS: 2008

2014 7

2013 7

2015 7 ::

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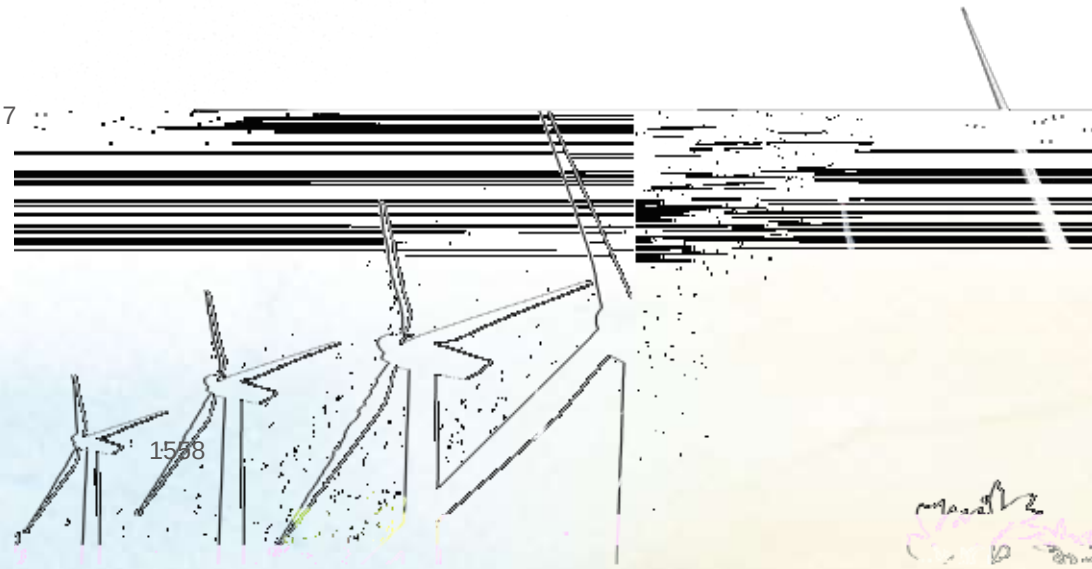

1568

86-21-58968418

public@usish.com

www.usish.com

86-21-58968415

351 141

886-49-2350876

csr@ms.usi.com.tw

www.usi.com.tw

886-49-2393571

CSR

- 2013
  - Top 50
  ( )
- 2013 2013
  ( )

- 380 300
-

- 2013 100 ( )
- 2013 50 ( )
- ( )
- ( )

- ( )
- 102 ( )

Eco-Design

(Energy star and Erp) 2013

2012 142.72

1.75 =

+ + +

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2013

5,228

1,000 2.99 (4

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2013 45

Sincerely

魏鎮宇

CY Wei

President

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1.2 CSR

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  i.
  ii.
  iii. (16)
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  i.
  ii.
-
- ( )
  i.
  ii.
  iii. NPO,
-
-

1.2.1 EICC

2012 EICC (Electronic Industry Citizenship Coalition) EICC-ON
EICC (
) EICC-ON (SAQ)
Low Risk 2013 EICC

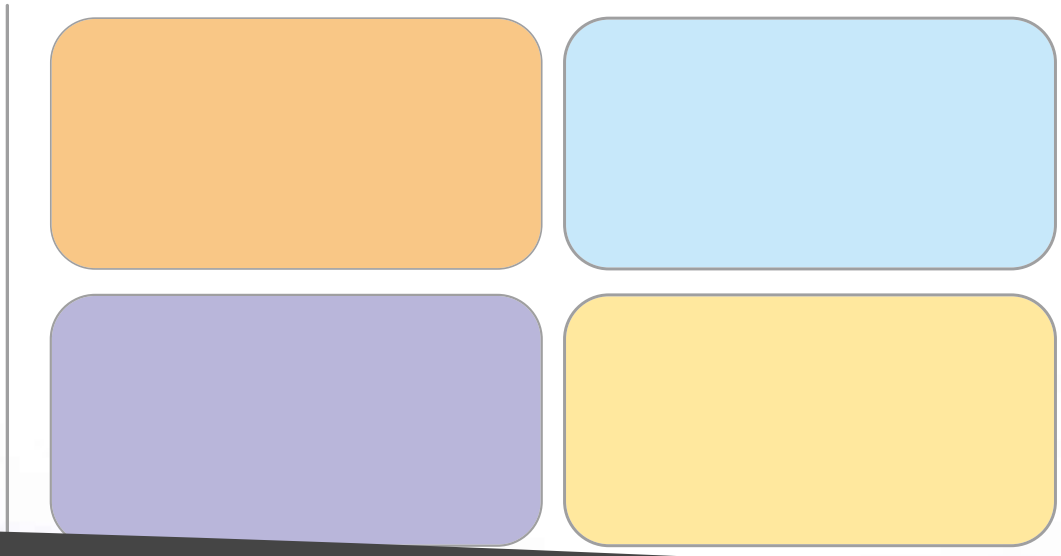
1.2.2

ISO14001 ISO9001 OHSAS18001

2013

2013

2011/05~2013/03



1.4

2013 1

			● ●
		/	● ● ● University
		EICC-ON	● EICC-ON EICC ●
		/E-mail	●
/		QBR PSL	● ● EICC
/NGO		/	● / ( ) ●
		/E-mail	● ●
			●

2.1

2.1.1

	Universal Scientiÿc Industrial (Shanghai) Co. Ltd.
	1558
	1,011,723,801
/	601231/
	2012 2 20
	12,113 (2013 12)

2.1.2

2013 2012 10 1.92 194,251

6,126	442	1,980	1,930	10,478

67,395	63,044	8,387	9,271	1,580	149,677

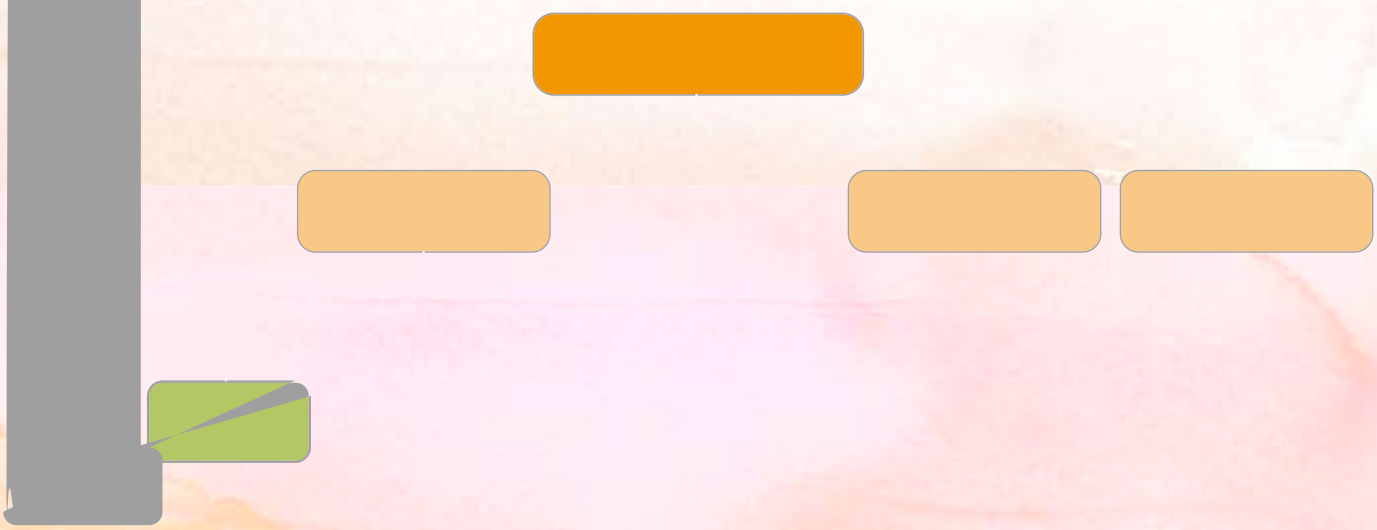
377,589	270,859	116,279	358,950	35,744	1,159,421

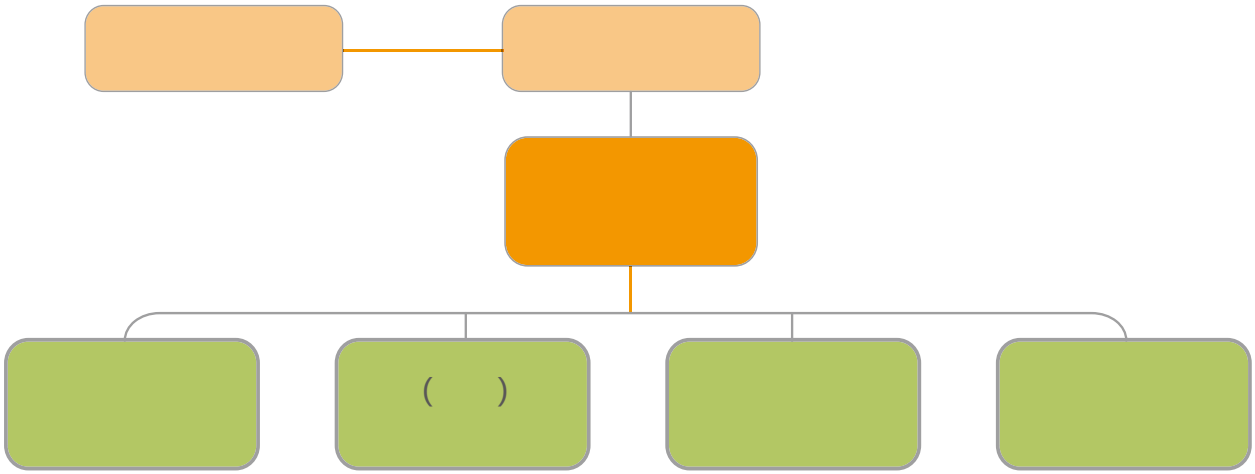
100	454	9	450	1,013

2.1.4

	*	*	
	*		
*	*	EICC-ON	SMT *
			*
EICC-ON	*		
			*
	*		
	EICC-ON		

* /





2.2.1

( )

2.2.3

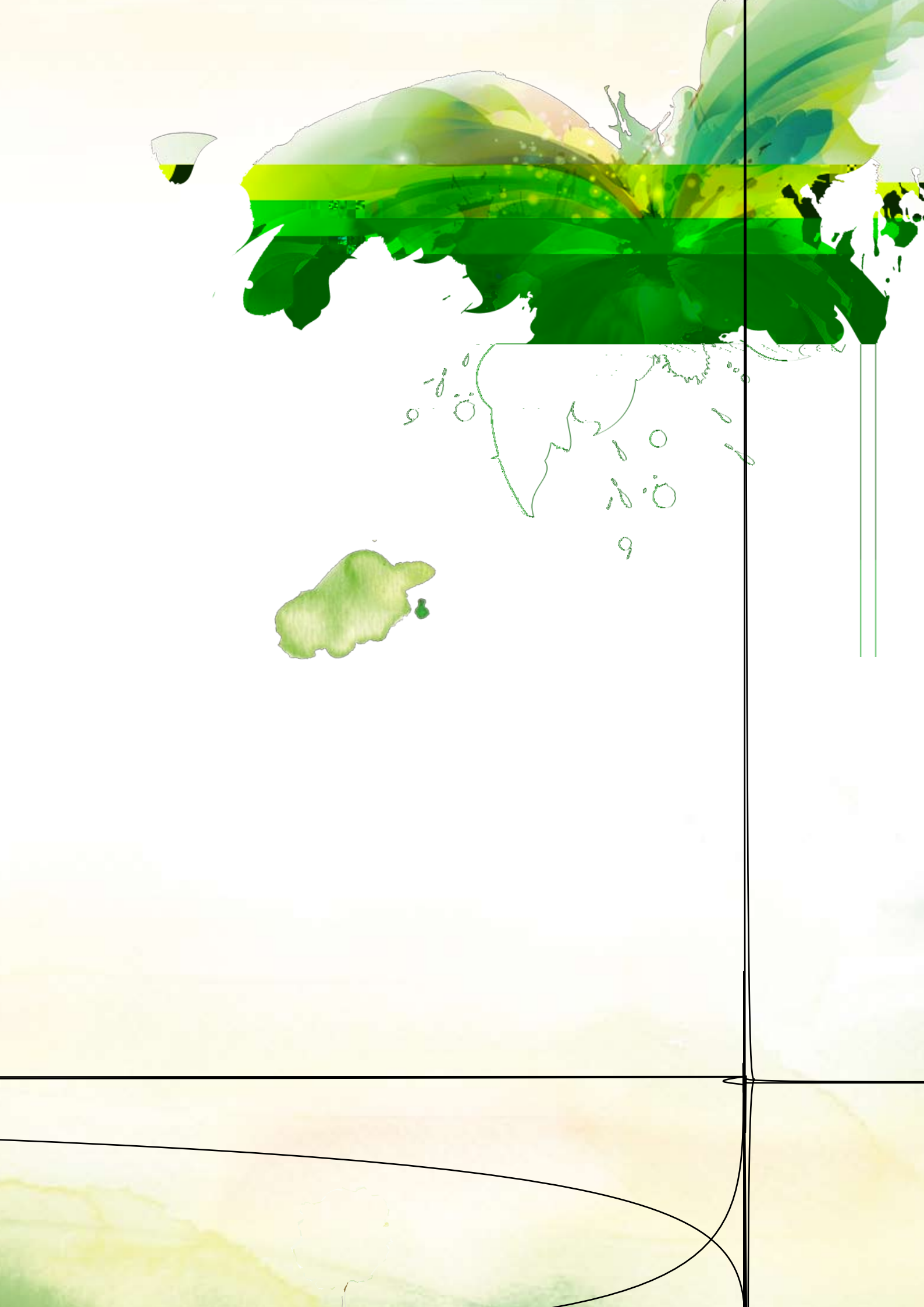
2.2.4

DMS 2013

/

USD

		6,419
		138,808
		129,124
	2012	98,312
	2012	466,460
		112,983
	KS	200,995
		1,153,101
		3,228
		8,070
		345,181
	2012	217,889
		80,702
	6	1,743
	2012	6,779
		4,487
		97,507
		193,686
		959,272
		34,640
		8,237
		29,655
		72,532
	USI ,	939,330
		2,325,850
		3,265,180
		5,450,085



3.1

2014

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-

3.2

ESH

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ISO 14001 OHSAS 18001 ISO 50001

3.3

	(DFE) (GPMS) (EHS) (Hazardous Substance Process Management, HSPM System Audit)
	( )

3.3.1

2002

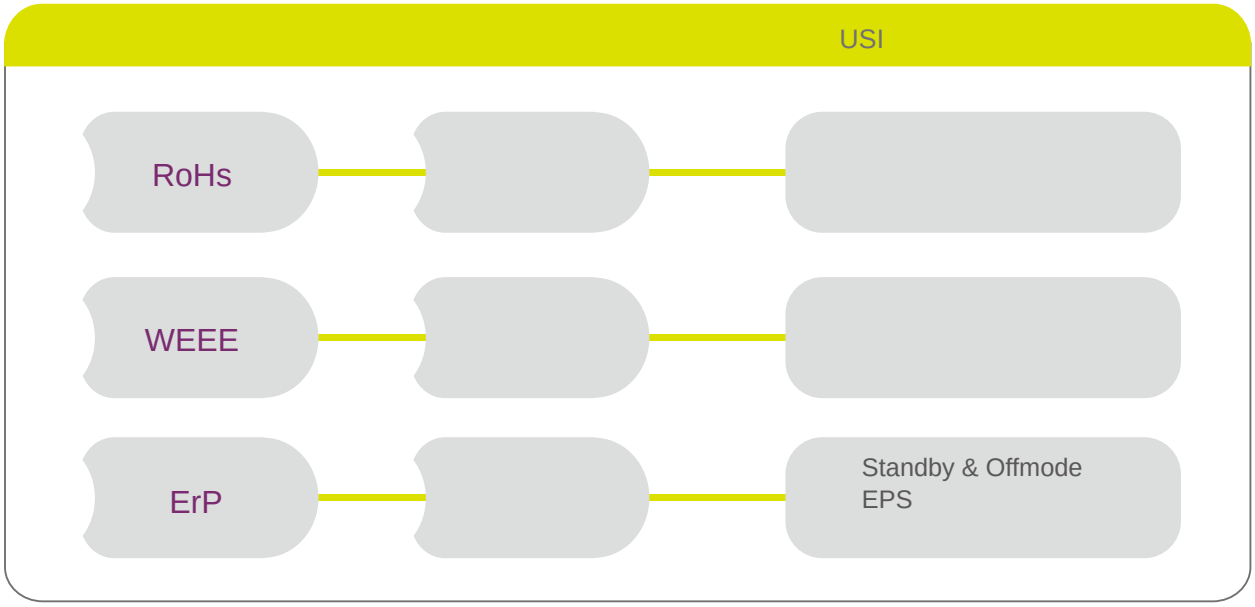
(GPMS)

- RoHS (Restriction of Hazardous Substances)
  REACH (Registration, Evaluation and Authorisation of Chemicals)
  SVHC(Substance(s) of Very High Concern) China RoHS
- WEEE (Waste Electrical and Electronic Equipment Directive)
- ErP (Ecodesign Requirement Energy-related Product)
  CEC (California Energy Commission)

(EHS Database)

(Hazardous

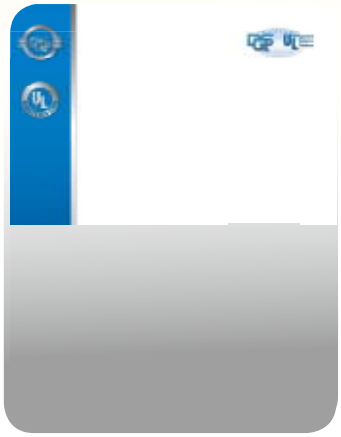
Substance Process Management, HSPM)

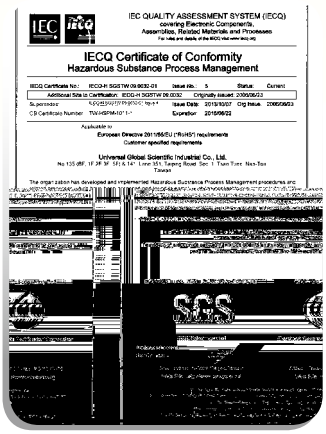


(GHG)

(LCA)

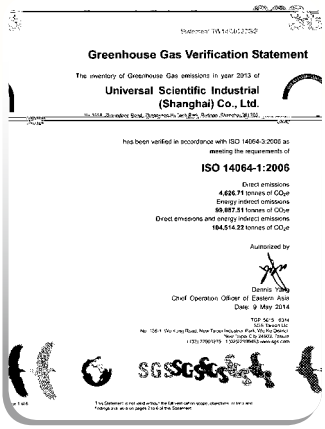
ISO 14001	2004	2001	2012	1998	2006
IECQ QC080000	2007	2007	2012	2006	2007
ISO 14064-1	2010	2010	2011	2009	





IEC QUALITY ASSESSMENT SYSTEM (IECQ)
covering Electronic Components,
Assemblies, Related Materials and Processes

IECQ Certificate of Conformity
Hazardous Substance Process Management



Greenhouse Gas Verification Statement

The inventory of Greenhouse Gas emissions in year 2013 of

Universal Scientific Industrial (Shanghai) Co., Ltd.

has been verified in accordance with ISO 14064-3:2006 as meeting the requirements of

ISO 14064-1:2006

Direct emissions
4,626.71 tonnes of CO_2e
Energy indirect emissions
99,887.51 tonnes of CO_2e
Direct emesions and energy indirect emissions
104,514.22 tonnes of CO_2e

Authorized by

Dennis Yang
Chief Operation Officer of Eastern Asia
Date: 9 May 2014

Energy Star Energy-related Product (ErP) Eco-Design

(Desktop- Mother Board)		2013 (Energy-Star) ErP
(Smart Handheld Device)	1. 2. 3.	1. BLE BLE 2. 3. Class D or G
-	RoHS & 3R spec	Mechanical parts meet the RoHS & 3R spec
-Adapter	1. 2. no load	Energy Star level-V Level-VI : 1. Efÿciency > 87% ---> 88% 2. No load power consumption < 0.3W ---> 0.1W
-System part	1. 2. 3. 4. PVC	1. 2. 3. UL VZQC2 4. PVC 1000 ppm
JBOD system	1. (AC/DC) 2. HDD	1. (AC/DC) 2. HDD
HBA card	(DC)	DC/DC 85%
NAS system	1. 2. 3. DC/DC	1. ECO design 20%-50% 2. 1.5V 1.35V , 1.5V 20%-50% 3. DC/DC 80% 87% 2 NAS 6 4. 100% RoHS
SSD	1. 20nm NAND 2. (DC) 3. Device Sleep	1. NAND SSD 500mw 2. DC/DC 85% 3. SATA DevSlp SSD 2mw

Server system	1. 2. 3. 4.	1. DC/DC 93% 2. PSU(Gold 90%, Platinum 92%, Titanium 93%) 3. Cable, Chassis and components RoHS 4. Chassis 5.
		2013 (2012) 40%
POS	1. 2. 3.	1. 2011 POS 100% PVC & 2. 2011 POS Energy Star Level 5 AC Adapter 0.5W 87% 3. 2005 100% RoHS compliance
SHD2	1. / 2. meet European Union RoHS Directive 2002/95/EC 3. EuP Lot6( ) 4.	1. Micro USB 2. 3. 3R(Reduce, Reuse, Recycle) 90% 4. / RoHS 5. European Union RoHS Directive 2002/95/EC

3.3.3

USD

		2013
		434,741
	( )	261,772
		133,534
/	ISO14001 ISO14064 IECQ QC 080000 ê	85,176

2013

	2012 ( )	2013 ( )
IC	2,112	2,858
PCB	1,084	1,848
	3,804	2,137
	787	1,719
	1,177	1,052
	188	192

1

2 2013 IC PCB

3 2013

3.4.2

2007 ISO14064-1 2010

2013 4
(2010) 13,863 CO2e-(15%) (2012) 1,186 CO2e-(-1.12 %)
2013 1.6 CO2e-(-6.18 %)

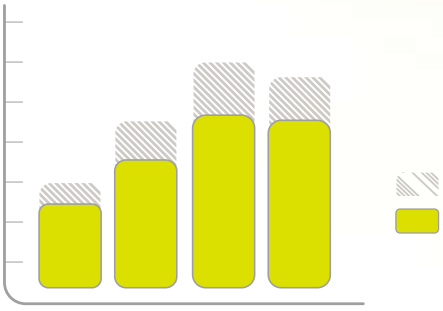
2010 2013

3.4.2.1

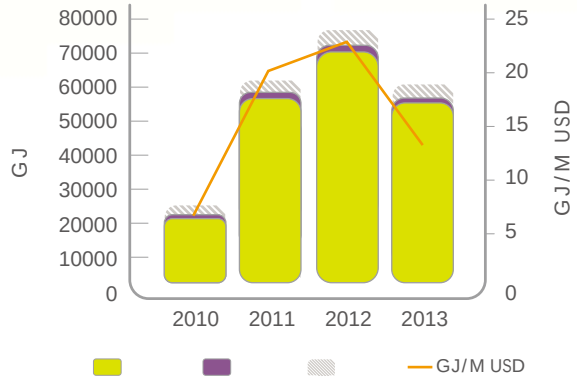
	(CO2e/)				
2010	1,194	212	1,037	0	88,208
2011	3,249	254	1,079	0	94,140
2012	3,934	283	1,104	0	100,379
2013	3,215	297	1,114	0	99,888

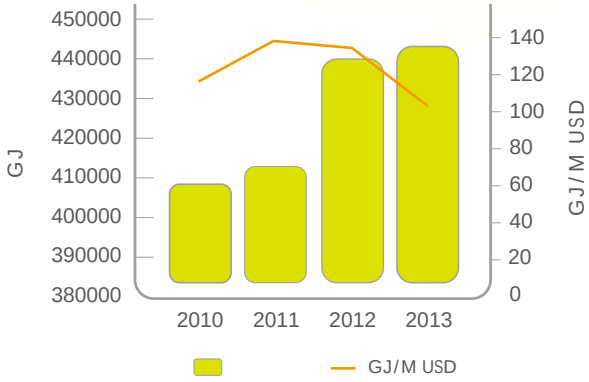
3.4.2.2

	(CO2e/)		
	1	2	Total
2010	2,443	88,208	90,651
2011	4,582	94,140	98,722
2012	5,321	100,379	105,700
2013	4,626	99,888	104,514



2013 504,368 GJ 2012 513,465 GJ 9,097 GJ(1.77%)
2013 2012 8 GJ(36%)
29 GJ/M USD(22%)





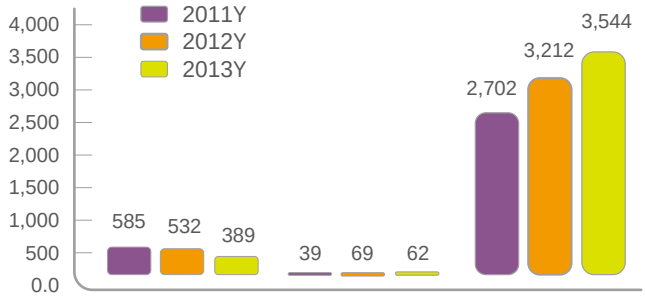
2013

		10,308 MW-hr (37,070 GJ) 8,349 CO2e
		400 MW-hr (1,438 GJ) 373 CO2e
		152 MW-hr (547GJ) 81 CO2e
		60 MW-hr (215GJ) 32 CO2e

3.4.4

PC

2012 2013 26.88%
10.14% 10.34% 2013 88% 2012 4.46%
2014 84%



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PC

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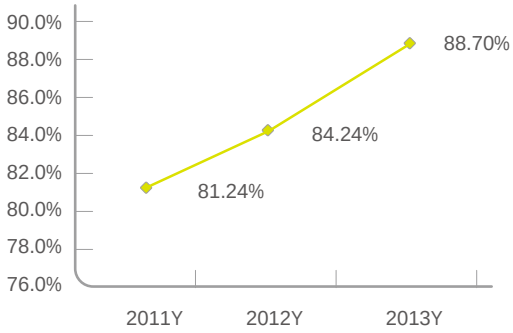


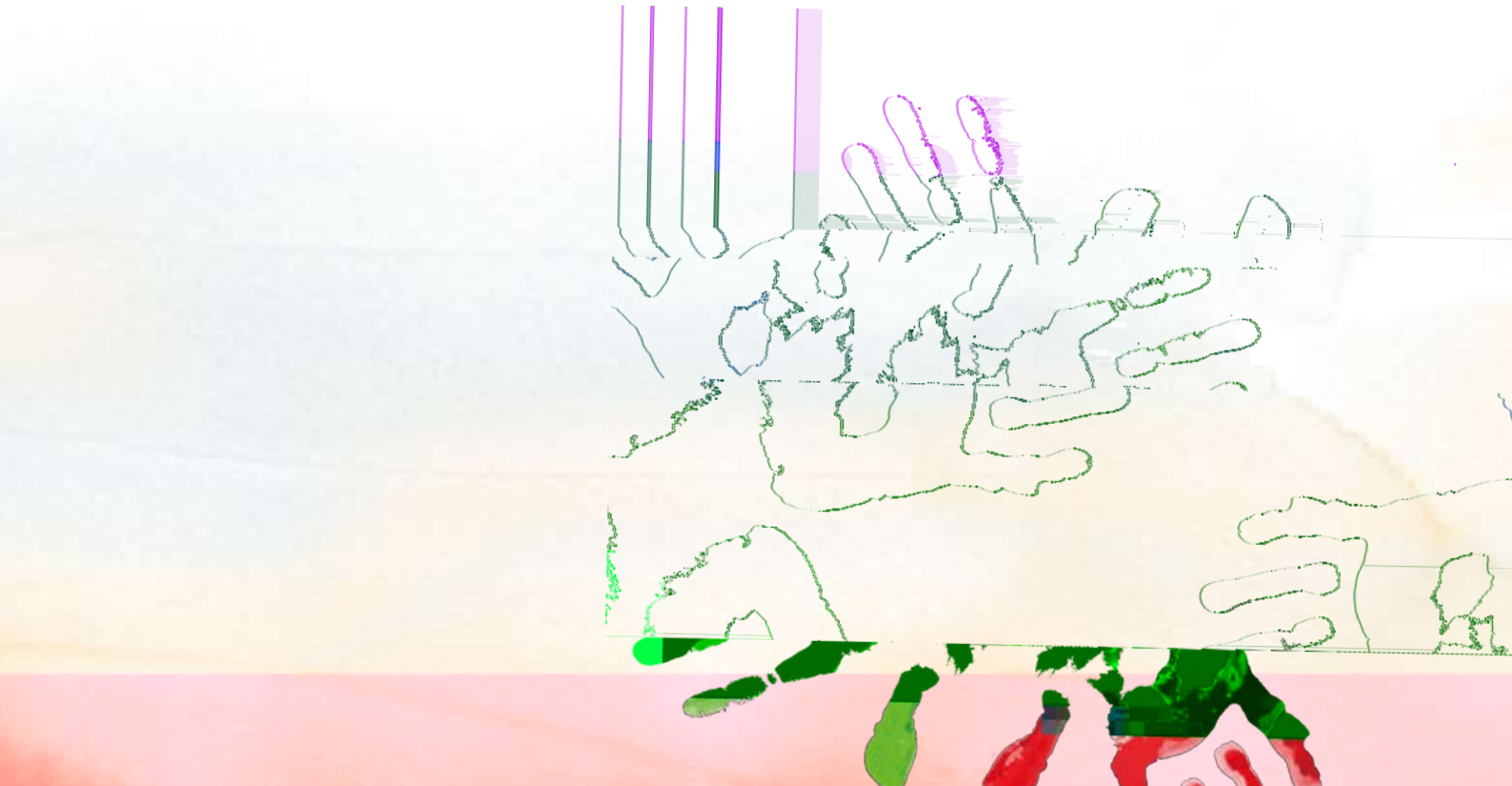
3.4.5

2013 542,652 2012 (525,816) 3.20% 2013
3.03 m3/person 2014
2.6 m3/person

(29,666 47,076)

3.5

04 环旭电子与员工



4.1

4.1.1

2013 12,113 10,127 1,472

514 589 1,330 9,510 584

6,600 54%

78% 94% 84% 100% 96%

100% 0%

ó													
			%		%		%		%		%		
		157	1%	110	1%	65	1%	136	1%	14	0%	482	4%
		110	1%	66	1%	67	1%	63	1%	23	0%	329	3%
		1,725	14%	1,349	11%	751	6%	272	2%	103	1%	4,200	35%
		89	1%	11	1%	4	0%	398	3%	0	0%	502	4%
		2,081	17%	1,536	13%	887	7%	869	7%	140	1%	5,513	46%
		60	0%	75	1%	31	0%	20	0%	21	0%	207	2%
		201	2%	267	2%	101	1%	160	1%	272	2%	1,001	8%
		2,001	17%	2,137	18%	719	6%	372	3%	81	1%	5,310	44%
		31	0%	0	0%	0	0%	51	0%	0	0%	82	1%
		2,293	19%	2,479	20%	851	7%	603	5%	374	3%	6,600	54%
		4,374	36%	4,015	33%	1,738	14%	1,472	12%	514	4%	12,113	100%

ó													
			%		%		%		%		%		
		1,555	13%	1,398	12%	774	6%	868	7%	140	1%	4,735	39%
		526	4%	138	1%	113	1%	1	0%	0	0%	778	6%
		2,081	17%	1,536	13%	887	7%	869	7%	140	1%	5,513	46%
		1,725	14%	2,312	19%	745	6%	544	4%	374	3%	5,700	47%
		5688	5%	167	1%	106	1%	59	0%	0	0%	900	7%
		2,293	19%	2,479	20%	851	7%	603	5%	374	3%	6,600	54%
		4,374	36%	4,015	33%	1,738	14%	1,472	12%	514	4%	12,113	100%

		ó		
	<30	0	0	0
	30~50	1	0	1
	>50	8	0	8
		9	0	9
	<30	0	0	0
	30~50	4	0	4
	>50	11	0	11
		15	0	15
	<30	77	67	144
	30~50	373	136	513
	>50	17	4	32
		467	207	674
	<30	160	538	698
	30~50	163	422	585
	>50	6	41	47
		329	1,001	1,330
	<30	3,502	4,606	8,108
	30~50	677	687	1,364
	>50	21	17	38
		4,200	5,310	9,510
	<30	168	24	192
	30~50	322	57	379
	>50	12	1	13
		502	82	584
		5,513	6,600	12,113

	260	493	60	0	0	813
	3	3	1	0	0	7

4.1.2

	(/ / /)		
	<30	1,249	2,561
	30~50	64	198
	>50	0	0
		1,313	2,759
		2,081	2,293
		63%	120%
	<30	871	2,407
	30~50	54	161
	>50	0	0
		925	2,568
		1,536	2,479
		60%	104%
	<30	416	509
	30~50	2	0
	>50	0	0
		418	509
		887	851
		47%	60%
	<30	14	11
	30~50	12	3
	>50	0	0
		26	14
		869	603
		3%	2%
	<30	38	128
	30~50	7	69
	>50	2	4
		47	201
		140	374
		34%	54%

4.1.3

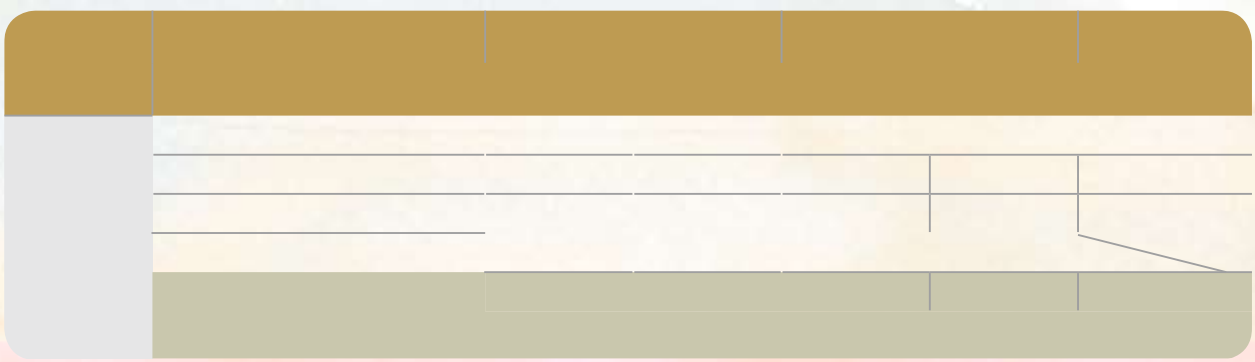
	52	28	80
	1	6	7
	1	10	11
	0	7	7
	1	5	6
(%)	2%	21%	9%
(%)	0%	70%	64%
(%)	100%	83%	86%

4.2

4.2.1

	<30	1,889	3,231
	30~50	80	149
	>50	2	0
		1,971	3,380
		2,081	2,293
		95%	147%
	<30	803	2,056
	30~50	48	133
	>50	0	0
		851	2,189
		1,536	2,479
		55.4%	88.3%
	<30	581	603
	30~50	33	28
	>50	1	0
		615	631
		887	851
		69%	74%
	<30	32	47
	30~50	39	14
	>50	1	1
		72	62
		869	603
		8%	10%
	<30	71	216
	30~50	8	118
	>50	0	8
		79	333
		140	374
		56%	89%

EICC( )



		Grade 10	Grade 9	Grade 6	Grade 5	
		5	106	109	289	1,064
		1	74	67	263	1,962
		16	1,081	1,319	4,595	24,898
		5	925	866	4,208	48,253
		3.17	10.20	12.10	15.90	23.40
		5.30	12.50	12.92	16.00	24.59
		5	61	55	210	557
		0	31	15	134	671
		38	1,389	1,221	5,078	9,719
		0	237	344	2,320	11,624
		7.60	22.77	22.20	24.18	17.45
		0	7.65	22.93	17.31	17.32
		55	127	617	181	66
		5	24	199	191	269
		480	1,567	6,866	1,684	238
		4	274	1,510	1,073	1,666
		8.73	12.34	11.13	9.30	3.61
		0.80	11.42	7.59	5.62	6.19
		85	439	948	1,262	2,914
		6	195	391	905	4,680
		720	6,751	10,351	15,330	60,723
		9	2,503	3,260	9,794	112,530
		8.47	15.38	10.92	12.15	20.84
		1.55	12.84	8.34	10.82	24.04

4.3.2

ố				
		482	482	100%
		329	268	81%
		4,200	826	20%
		502	500	100%
		5,513	2,076	38%
		207	207	100%
		1,001	463	46%
		5,310	249	5%
		82	77	94%
		6,600	996	15%
		12,113	3,072	25%

4.4

2008 6 EICC

E-learing 0.5 5,800

2013

16-18

4.5

KTV

	/

4.5.1

生日晚会

USI-KS 员工趣味运动会

2013 -

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( )

DIY

2013

4

- 2013 8,140 (+) 2012 56%(2012 4,493)
- 2013 30 2012 10 (2012 20)
- 2013 15 50%
- 2013 4.40 2012 0.2%

2013

2013 3,300

- ( )

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BBQ

Live Band

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● DIY

DIY

DIY

●

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● 365 ~ run [ ]

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[ ]

13

● 2013

● -2013

● -2013

● 2013

● 2013

● 2013

●

2013

2013

4.5.2

2

100%

	%	%
	8%	21%
	8%	13%
	8%	20%
	0~6%	6%
	0%	2%

4.6

4.6.1

1 1.1 1 1.3 ( )

4.6.2

( )

(Site)

2013 6 17

20% 51%

4.7

4.7.1

OHSAS 18001

2013 (

0)

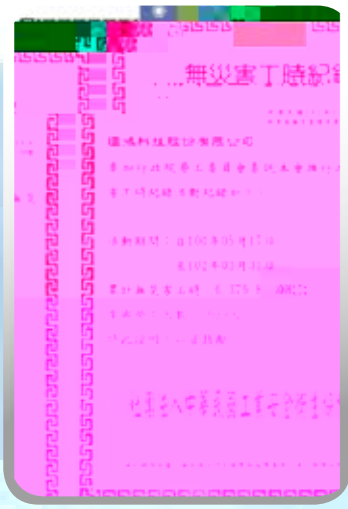
	(IR)		(ODR)		(LDR)		(AR)	
	0.00	0.00	0.00	0.00	0.00	0.00	0.14	2.63
	0.07	0.00	0.00	0.00	0.26	0.00	0.60	1.02
	0.00	0.00	0.00	0.00	0.00	0.00	0.27	2.44
	0.00	0.33	0.00	0.00	0.00	1.10	3.96	1.83
	0.00	0.00	0.00	0.00	0.00	0.00	0.61	1.02

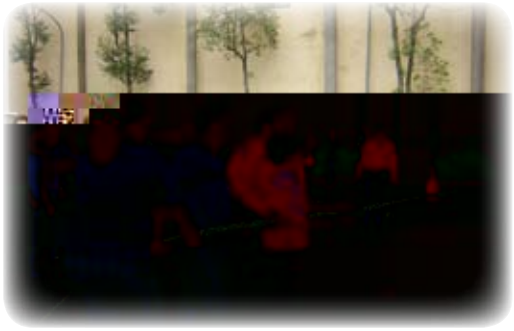
(IR) = (/) 200,000
(LDR) = (/) 200,000
(AR) = (/) 100%

2011 5 17

2013 3 31

102





X

4.7.2

( )

98%

(EAPs)

DIY 193
15% BMI 24 72.4%
5 484.4 BMI 10%
15%

308 22%
164 53.2%

Newsletter Email

2013

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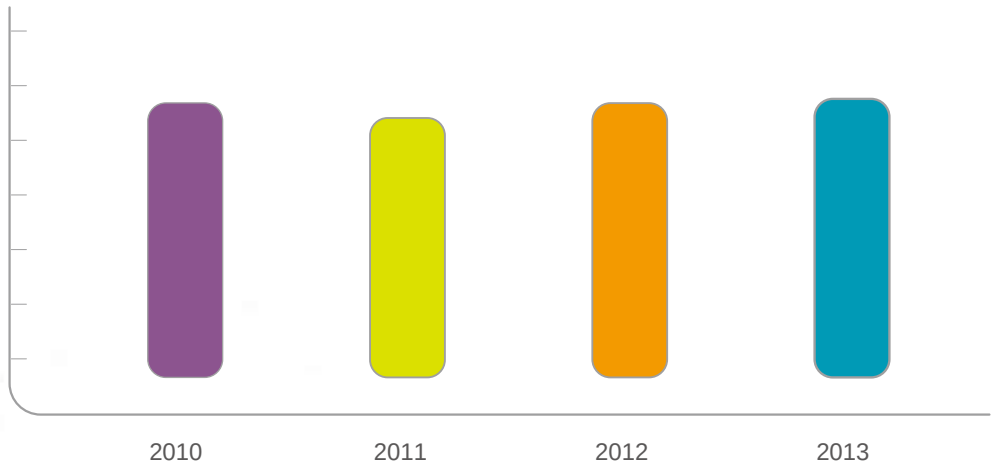
-

5.2

QBR(Quarterly Business Review)

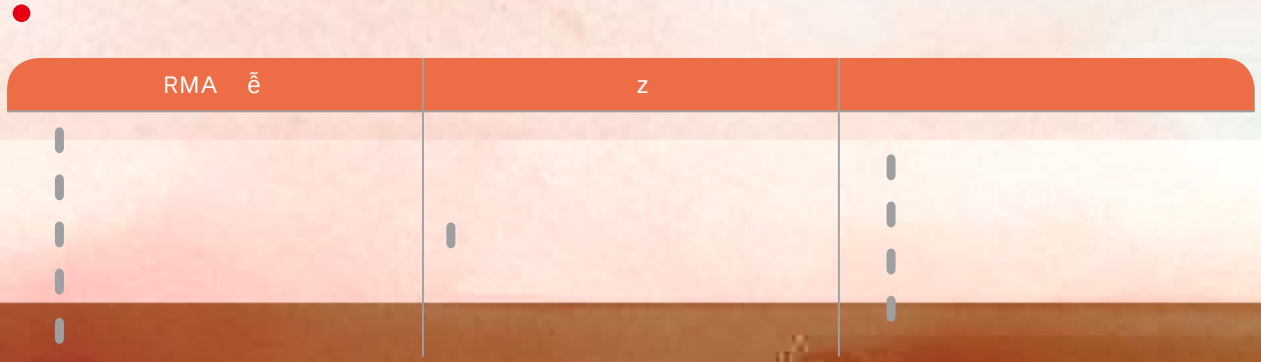
2013



e-RMA SAP

e-RMA

RMA



06 环旭电子与供货商/承揽商

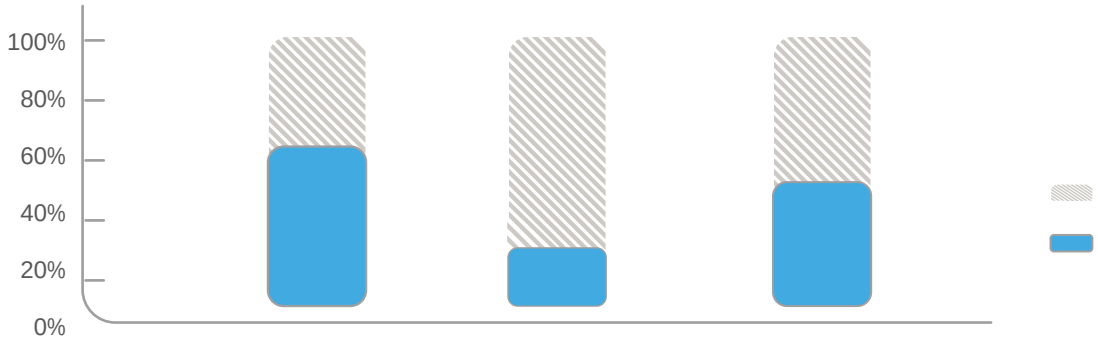
6.1

2013

(64% 52%

27%)

2013



	659	751	503	430	102
	45%	26%	8%	17%	3%

6.2

QBR (Quarterly Business Review)

WEEE RoHS REACH

2013

100%

QC080000

6.3

QBR (Quarterly Business Review)

6.4

2013 256

07 环旭电子与小区

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7.1.1 ( )

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2005

( )

USI

2013
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1 102 2 198 102 5

7.1.2 ( )

7.2

7.2.1 ( )

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- 2013
- 2012
- 2011
- 2010
- 2009
- 2008
- 2007
- 2006
- 2005

7.2.2 ( )

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7.2.3 ( )

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311

2011 311

Long Stay

7.2.4 -

( )

- Classic

-

23,640 Site

7.3

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2013

Shanghai Roots & Shoots

2013

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TOP 3

2013.6.21

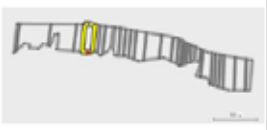
2013 ~ 2013

10 4,000

Robin 2013.9.8

44.9 2.99 1.5 *5 89 / 1,335 / / 5,228 /

GPS /

年份 /Year	GPS 坐标/Coordinate	林地示意图/Forest Map
2013	Located in Plot 2013-1，位于 2013-1 林地 N43 12 38.3 E122 06 29.4 N43 12 38.1 E122 06 31.8 N43 12 38.4 E122 06 34.0 N43 12 47.4 E122 06 35.3 N43 12 47.6 E122 06 32.8 N43 12 47.6 E122 06 30.7	

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Robin Rose

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2007 ( ) 14 3 ( )
/ 66.6

2013 1 4

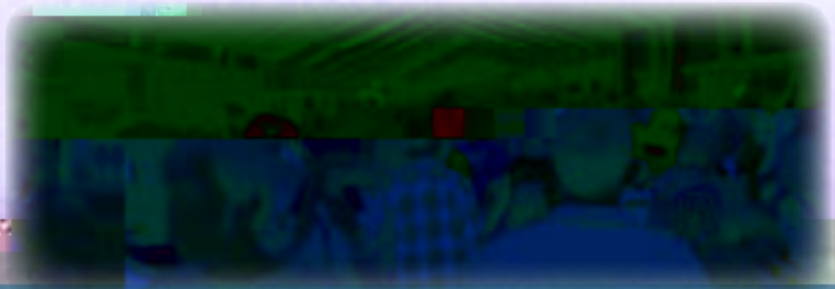
2014 14 3

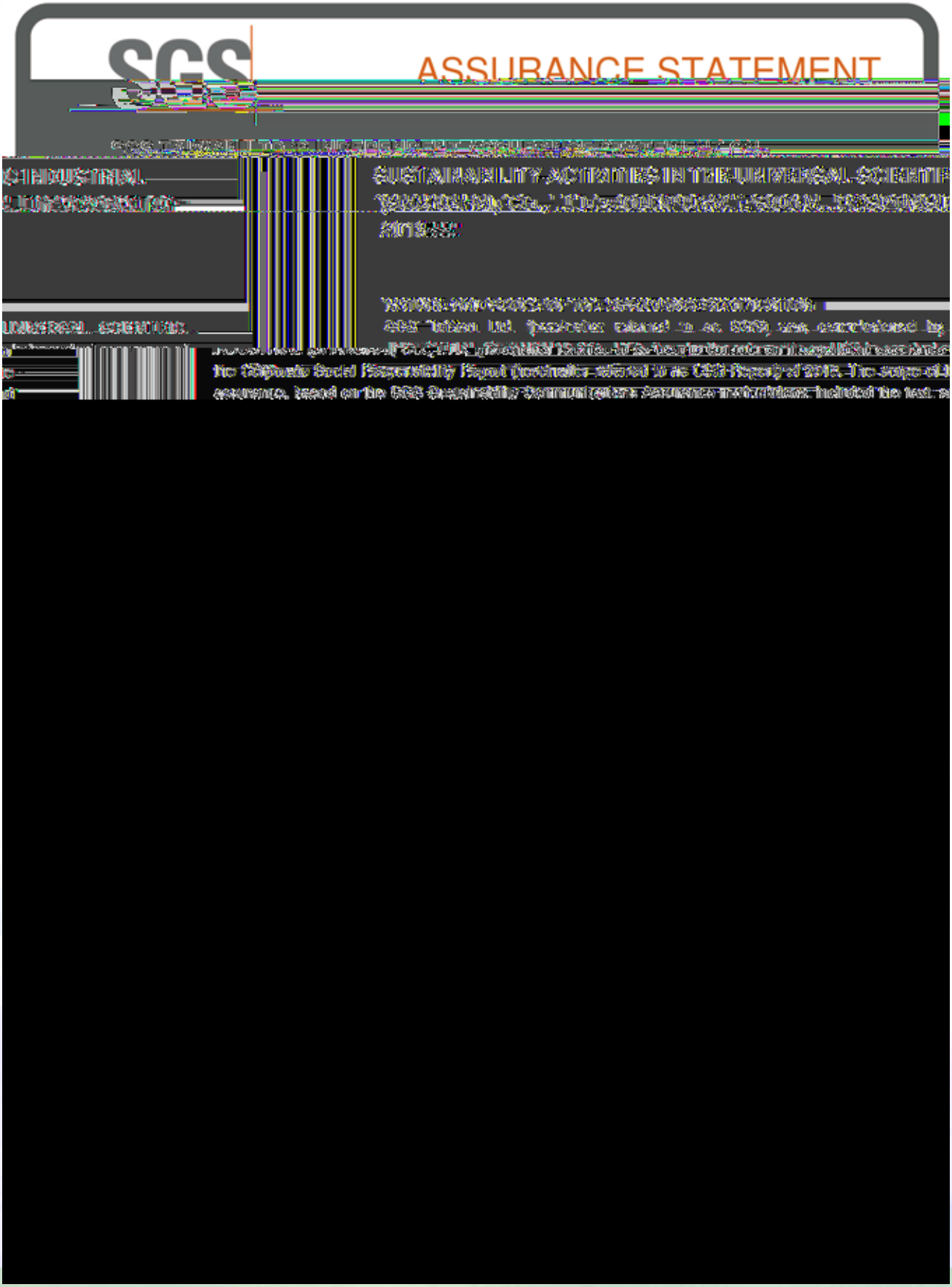
7.3.2

50m

7.3.3 OBJ

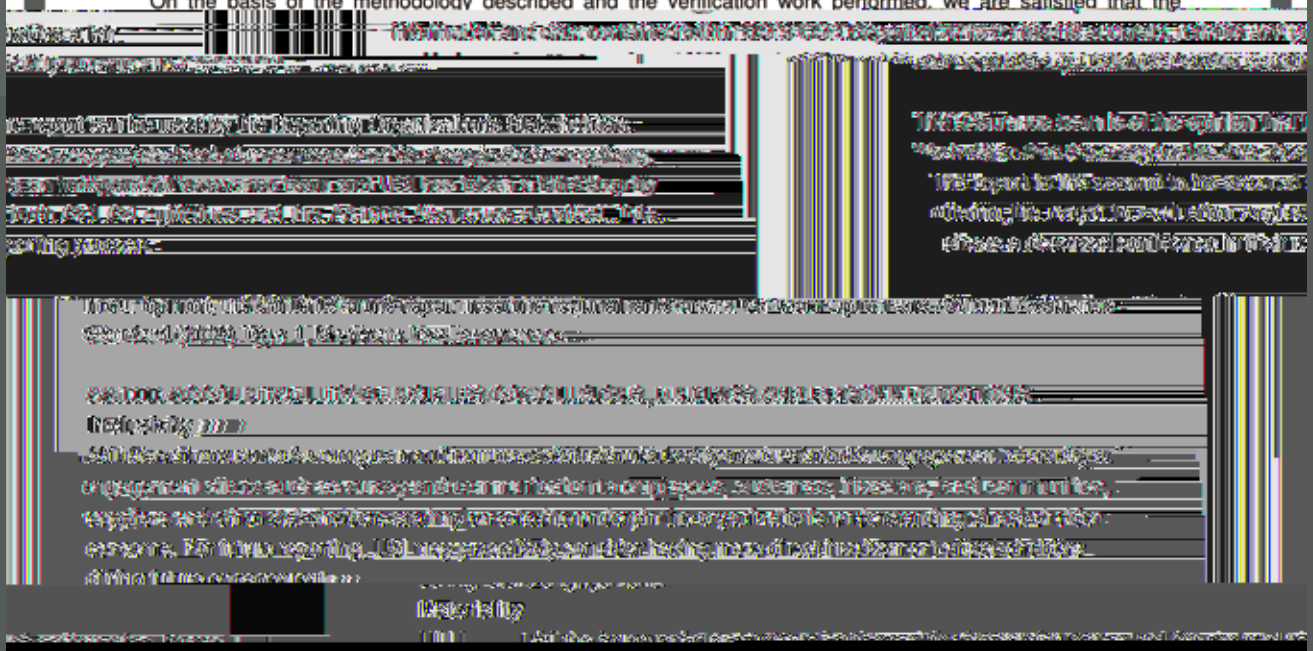
2013 13




SGS
ASSURANCE STATEMENT

VERIFICATION/ ASSURANCE OPINION

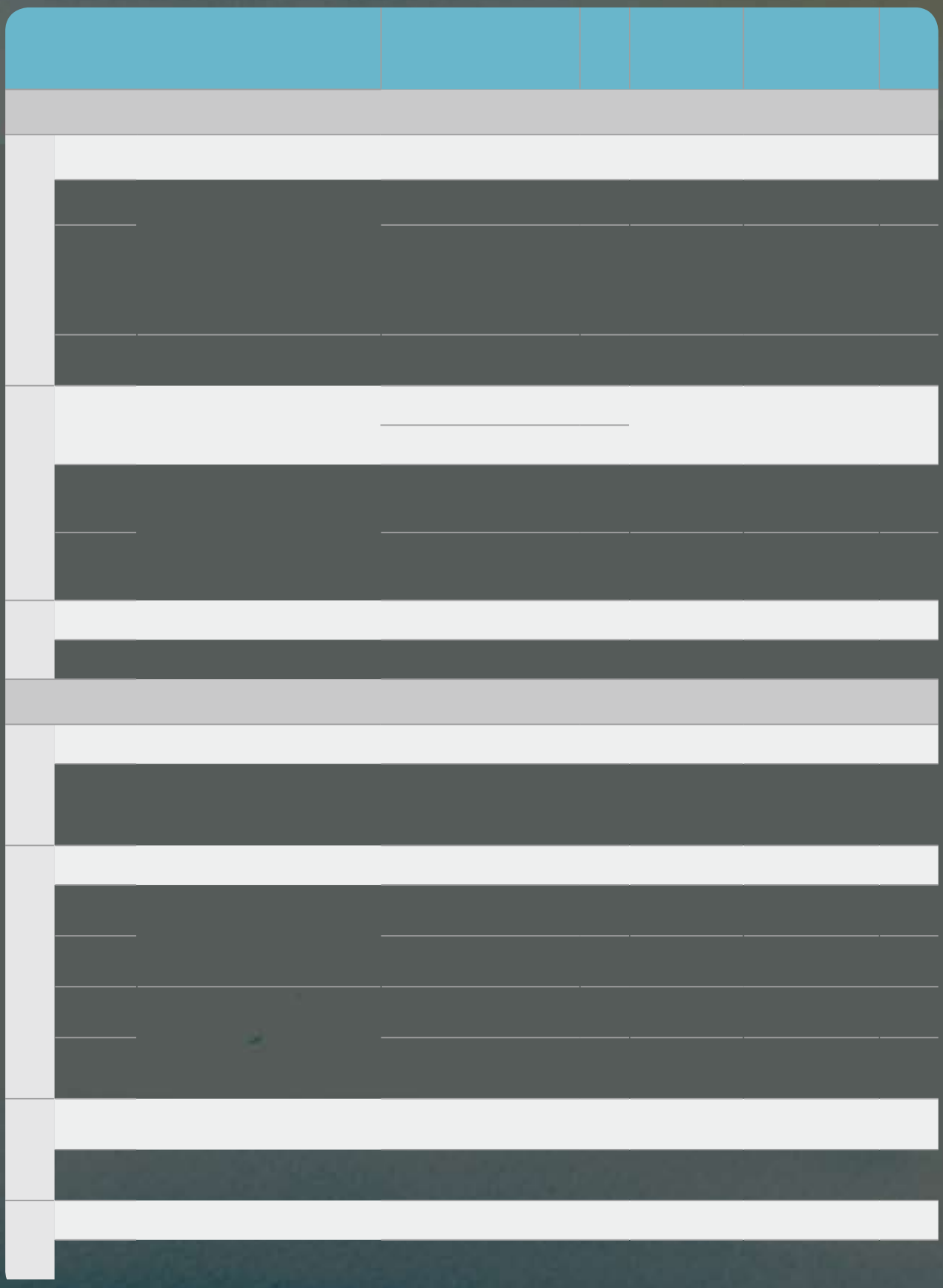
On the basis of the methodology described and the verification work performed, we are satisfied that the

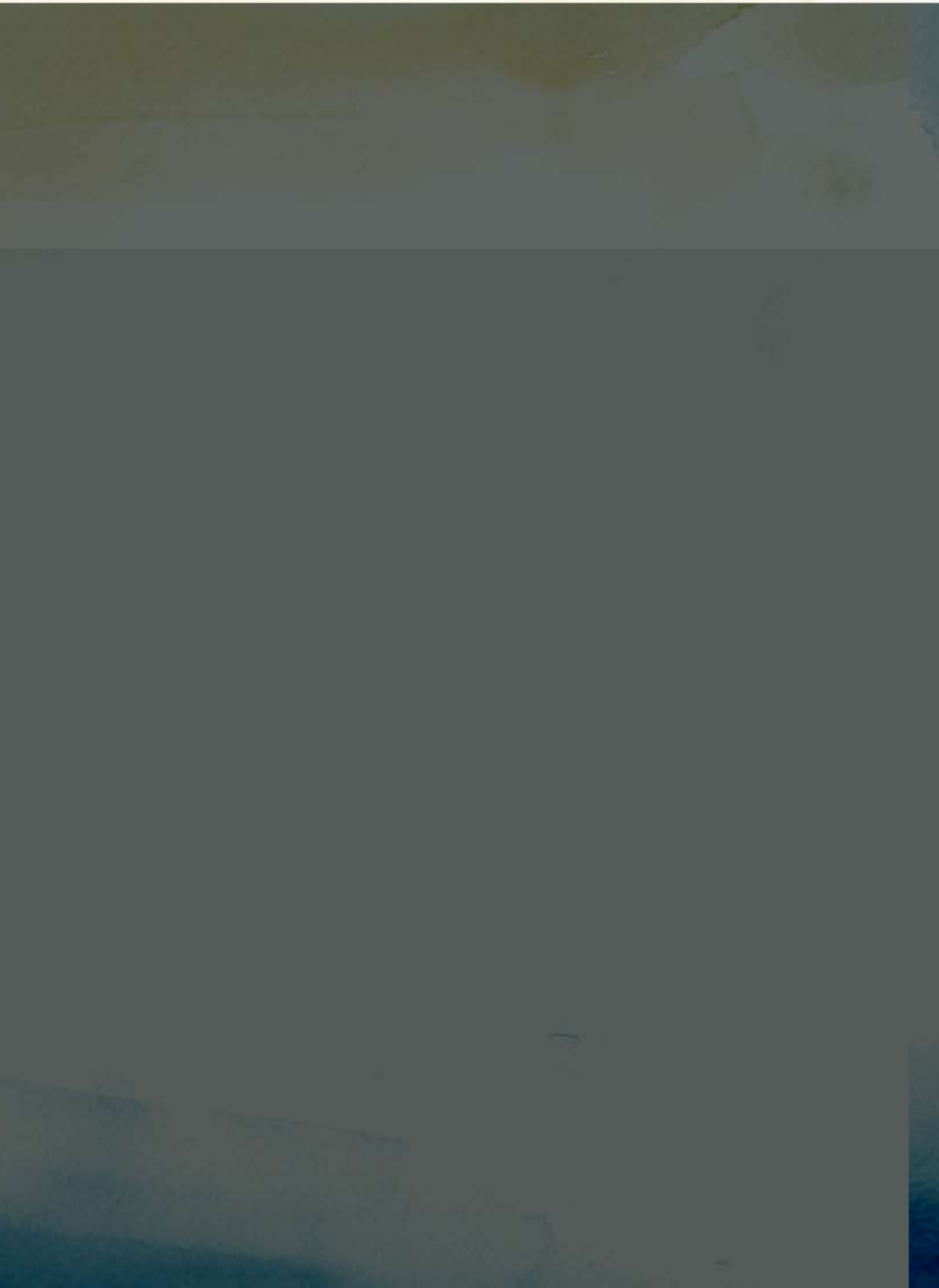


GRI Index

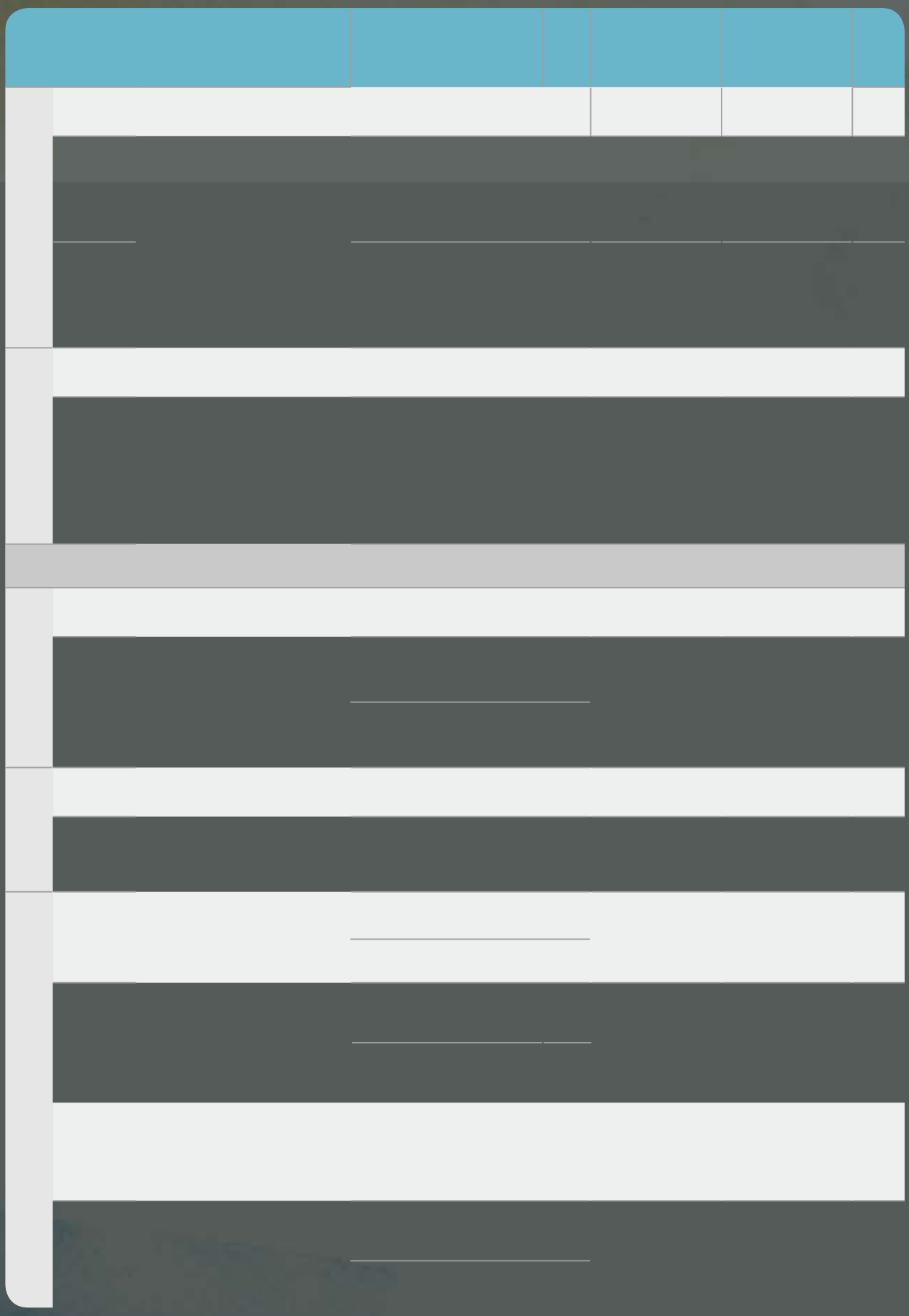
	a.		3	10	
G4-24					102
G4-25					102
G4-26					102
G4-27					102
G4-24		1.3	10		102

G4-25		1.3	10		103
G4-26		1.4	10		103
G4-27		1.4	10		103
G4-28			9		103
G4-29			9		103
G4-30			9		103
G4-31			9		103
G4-32	GRI		9		103
	GRI	GRI Index	76		
G4-33					103
G4-34			10		103
			10		
G4-35			10		103





		6.2	62			103
		1.4	11			103
		6.2	62			103
		4	33			103
		4.2	33			103
		4.2	33			103
G4-LA12		4.2	40			103
G4-LA12		4.2	40			103
		4.4	40			103
G4-LA12						103
		4.7	52			103
G4-LA12		4.7	52			103
		4.3	37			103
G4-LA11		4.3	37			103
G4-LA11		4.3	37			103
		4	33			103
G4-LA13		4.6.1	51			103
		4.6.1	51			103
G4-LA13		4.6.1	51			103



		4.4	40			103
		6.2	62			
		4.4	40	2013		
		6.2	62			
		1.2 CSR	9			103
		2.2 CSR	18			
		1.2 CSR	9			
		6.2	62			103
		6.2	62		2013	
		6.2	62		2013	
		6.2	62			103
		6.2	62	2013	2013	
		6.2	62		2013	
		7	65			103
		7.1	65			
		7.2	65			
		7.3	65			
		2.2.2	18			103
		2.2.2 CSR	18			
		2.2.2	18	2013	2013	
		2.2.2	18		2013	

	G4-SO5		2.2.2	18			103
			2.2.3	19			103
	G4-SO8		2.2.1	18			103
			6.2	62			103
	G4-SO9		6.2	62		2015	103
	G4-SO10		6.2	62		2015	103
			6.2	62			103
	G4-SO11		6.2	62		2015	103
			5.1	58			103