SCREEN

Annual Report 2014 Appendix

CSR Data Sheets

Dainippon Screen Group
Fiscal year ended March 31, 2014

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Social Report

Note: All years shown are for the accounting year ended March 31 of the year shown.

Employees

Number of employees

(Person)

	Dainippon Screen			The Dainippon Screen Group
	Men	Women	Total	
2010	1,981	143	2,124	4,679
2011	1,937	130	2,067	4,732
2012	1,954	135	2,089	4,890
2013	1,995	135	2,130	4,954
2014	**2,084**	**144**	**2,228**	**4,968**

Number of employees by age group (Dainippon Screen)

(Person)

	20-29	30-39	40-49	50+	Total
As of March 31, 2010	283	452	975	414	2,124
As of March 31, 2011	242	405	949	471	2,067
As of March 31, 2012	220	388	920	561	2,089
As of March 31, 2013	198	398	886	648	2,130
As of March 31, 2014	**184**	**431**	**868**	**745**	**2,228**

Average age of regular employees (Dainippon Screen)

(Years)

	2010	2011	2012	2013	**2014**
Male	42.0	42.9	43.6	44.2	**44.6**
Female	36.4	37.1	38.1	39.0	**39.6**
All employees	41.6	42.5	43.3	43.8	**44.3**

Average length of service per regular employee (Dainippon Screen)

(Years)

	2010	2011	2012	2013	**2014**
Male	17.6	18.2	19.0	19.4	**19.8**
Female	14.1	14.2	15.2	16.0	**16.5**
All employees	17.4	17.9	18.7	19.2	**19.6**

Average annual salary per employee (Dainippon Screen)

(Yen)

	2010	2011	2012	2013	**2014**
All employees	6,719,000	7,095,000	9,110,00	8,374,000	**7,619,000**

Note: Rounded down to the nearest ¥1,000.

Employee turnover (Dainippon Screen)

(Person)

		Use of preferential early retirement system	Own volition	Company decision	Employment transfer	Other
2012	Male	4	8	0	11	2
	Female	0	2	0	0	0
	Total	4	10	0	11	2
2013	Male	11	5	0	8	3
	Female	0	1	0	0	0
	Total	11	6	0	8	3
2014	**Male**	**8**	**8**	**0**	**35**	**3**
	Female	**0**	**1**	**0**	**0**	**0**
	Total	**8**	**9**	**0**	**35**	**3**

Note: Excludes retirees.

Diversity

Number of female employees (Dainippon Screen)

(Person)

	2010	2011	2012	2013	**2014**
On professional career track	64	58	59	58	**66**
On clerical career track	79	72	76	77	**78**
Temporary	0	0	0	0	**0**
Total	143	130	135	135	**144**

Note: Figures indicate number of direct hires.

Ratio of male and female employees by post (Dainippon Screen)

(Person)

		Management post	(Of whom, General Managers or higher)	(Of whom, Corporate Officers)	Directors
2014	**Total**	**793**	**129**	**13**	**6**
	Male	**787**	**129**	**13**	**6**
	Female	**6**	**0**	**0**	**0**
	Ratio of female staff	**0.76%**	**0.00%**	**0.00%**	**0.00%**

Ratio of non-Japanese employees by post (Dainippon Screen)

(Person)

		Management post	(Of whom, General Managers or higher)	(Of whom, Corporate Officers)	Directors
2014	**Total**	**793**	**129**	**13**	**6**
	Male	**791**	**128**	**13**	**6**
	Female	**2**	**1**	**0**	**0**
	Ratio of female staff	**0.25%**	**0.78%**	**0.00%**	**0.00%**

Number of non-Japanese employees at business and production sites in Japan (Dainippon Screen)

(Person)

	2010	2011	2012	2013	**2014**
Non-Japanese regular employees	20	20	19	19	**22**
Ratio of non-Japanese regular employees	0.9%	0.9%	0.9%	0.9%	**1.0%**

Employment of people with disabilities (Dainippon Screen)

(Person)

	2011	2012	2013	**2014**
Number employed	42	41	43	**43**
Employment ratio	1.90%	1.86%	1.96%	**2.01%**

Note: The statutory ratio through the fiscal year ended March 31, 2013, was 1.80%, and from April 1, 2013, 2.00%. Data available from 2011.

Reemployment of staff past retirement age (Dainippon Screen)

(Person)

	2010	2011	2012	2013	**2014**
Number of employees at the company reemploying staff	84	84	63	62	**52**

Employment creation

Number of new university graduates employed (Dainippon Screen)

(Person)

		2010	2011	2012	2013	**2014**
University graduates	Male	57	1	22	35	**39**
	Female	5	0	0	3	**8**
	Total	62	1	22	38	**47**

Number of mid-career employees hired (Dainippon Screen)

(Person)

		2010	2011	2012	2013	**2014**
University graduates	Male	0	0	17	12	**3**
	Female	1	0	0	0	**0**
	Total	1	0	17	12	**3**

Hiring of New Graduates* (Dainippon Screen)

(%)

Percentage of people hired in 2009 who were still employed in April 2012	98.4
Percentage of people hired in 2010 who were still employed in April 2013	100
Percentage of people hired in 2011 who were still employed in April 2014	**100**

* Those who joined the company on April 1 or October 1 of each year.

Work-life balance

Number of employees taking childcare/family healthcare leave (Dainippon Screen)

(Person)

		2010	2011	2012	2013	**2014**
Number of employees taking childcare leave (By year leave started)	Male	0	0	0	0	**0**
	Female	11	16	7	9	**9**
	Total	11	16	7	9	**9**
Number of employees taking family healthcare leave	Male	0	2	1	0	**1**
	Female	2	0	0	0	**0**
	Total	2	2	1	0	**1**

Notes: 1. So far, seven male employees have taken childcare leave and four have opted for reduced work-hours for childcare.
2. A system is in place that provides male employees with five days of special paid leave when their wife gives birth.

Ratio of employees taking childcare leave (Dainippon Screen)

(%)

		2010	2011	2012	2013	**2014**
Ratio of employees taking childcare leave	Male	0	0	0	0	**0**
	Female*	100	100	100	100	**100**
	Total	14.29	17.98	9.52	11.11	**10.23**

* Childcare leave is taken by all female employees who are giving birth, so the ratio among eligible female employees is recorded as 100%.

Number of employees taking maternity leave (Dainippon Screen)

(Person)

2010	2011	2012	2013	**2014**
12	14	8	8	**10**

Notes: 1. Term of leave: Statutory (six weeks prenatal, eight weeks postnatal).
2. Remuneration during maternity leave: Unpaid; however, 100% security by the Mutual Aid Society and Welfare Foundation, including maternity allowance.

Number of employees taking family care leave or using a short working hours system due to family care (Dainippon Screen)

(Person)

		2010	2011	2012	2013	**2014**
Number of employees taking family care leave	Male	0	0	0	0	**0**
	Female	0	0	0	0	**0**
	Total	0	0	0	0	**0**
Number of employees taking using a short working hours system due to family care	Male	0	0	0	1	**0**
	Female	1	0	0	0	**0**
	Total	1	0	0	1	**0**

Note: There were employees who took family care holidays during the above period.

Percentage of annual paid leave taken by employees (Dainippon Screen)

(%)

	2010	2011	2012	2013	**2014**
Percentage of annual paid leave taken	58.5	57.8	74.7	72.2	**70.9**

Human resource development

Career paths

Treatment	Human resource utilization
Flextime system	Self-enumeration
Child support system	Internal recruiting
Performance-linked bonuses	In-house inter-departmental transfer
	Target management
	In-house internship

Employee education

Training and self-development support system	Others
New appointee training	Doctorate support
Role-based training	Domestic and overseas study and training
Skills and knowledge training	
Engineer training	
Selective training	
Career development support	
Financial rewards for employees who obtain qualifications	
Distance learning subsidy	

Patents

Number of patents held by region (Dainippon Screen)

	2010	2011	2012	2013	**2014**
Number of patents held (in Japan)	1,811	1,717	1,808	1,907	**1,991**
Number of patents held (in North America)	569	572	559	562	**545**
Number of patents held (in Asia)	741	779	831	873	**920**
Number of patents held (in Europe)	201	218	243	260	**253**
Total	3,322	3,286	3,441	3,602	**3,709**

Patent allowance rates (Dainippon Screen)

(%)

	2010	2011	2012	2013	**2014**
Patent allowance rate (Japan)	58%	55%	81%	78%	**80%**
Patent allowance rate (overseas)	70%	69%	83%	80%	**90%**
Total	63%	62%	82%	79%	**83%**

Occupational health and safety

Notes: 1. Incident (labor incident): Event that occurred during the performance of work that leads to injury, illness or death at medical facility.
2. Accident (labor accident): Fire, explosion, gas leak, chemical outflow, collapse, collision, etc. leading to employee death or injury, or leak, chemical outflow, collapse, collision, etc. and the resulting damage to facilities, machinery or equipment. Also, a traffic accident (property damage only).

Number of incidents and accidents (Dainippon Screen Group in Japan)

	2010	2011	2012	2013	**2014**
Incident involving Dainippon Screen employee(s)	3	2	5	3	**1**
Accident involving Dainippon Screen employee(s)	5	6	3	6	**5**
Incident involving employee of Group company	8	8	8	7	**8**
Accident involving employee of Group company	6	5	0	1	**0**
Incident at partner company	4	4	4	5	**13**
Accident at partner company	2	2	2	1	**2**
Incident resulting in four or more days of lost work	4	3	2	1	**1**

Number of incidents and accidents (overseas Group companies)

	2013	**2014**
Incident involving employee(s) of Group company	5	**11**
Accident involving employee(s) of Group company	10	**13**
Incident involving Dainippon Screen employee(s) (person on temporary transfer)	0	**0**
Accident involving Dainippon Screen employee(s) (person on temporary transfer)	0	**0**
Incident at partner company	0	**0**
Accident at partner company	0	**0**

Note: Data available from 2013.

Occupational health and safety activities: Targets and performance (Dainippon Screen Group)

		Targets	Results	Actual performance
2012	Incidents resulting in four or more days of lost work	No more than one incidents	Not achieved	2
	Incident points*	No more than 300 points	Achieved	300 points
	Accidents or incidents—at customer facilities	No more than five incidents	Not achieved	6
	Traffic accidents or incidents	No more than five incidents	Not achieved	18
	Periodic health examination	100%	Achieved	100%
	Health examination of employees posted overseas	100%	Not achieved	84%
	Perform stress management (Introducing stress management check test)	100%	Not achieved	96.5%
2013	Incidents resulting in four or more days of lost work	No more than one incidents	Achieved	1
	Incident points*	No more than 300 points	Achieved	210 points
	Accidents or incidents—at customer facilities	No more than five incidents	Not achieved	9
	Traffic accidents or incidents	No more than five incidents	Not achieved	14
	Periodic health examination	100%	Achieved	100%
	Health examination of employees posted overseas	100%	Not achieved	91.9%
2014	**Incidents resulting in four or more days of lost work**	**No more than one incidents**	**Achieved**	**1**
	Incident points*	**No more than 300 points**	**Not achieved**	**310 points**
	Accidents or incidents—at customer facilities	**No more than five incidents**	**Not achieved**	**7**
	Traffic accidents or incidents	**No more than five incidents**	**Not achieved**	**14**
	Periodic health examination	**100%**	**Achieved**	**100%**
	Health examination of employees posted overseas	**100%**	**Not achieved**	**99.0%**

* Incident points: An index used by the Dainippon Screen Group to indicate the gravity of incidents.

Workplace incident frequency rate* (Dainippon Screen)

	2010	2011	2012	2013	**2014**
Dainippon Screen incident frequency rate	0.50	0.25	0.24	0.00	**0.21**
Average incident frequency rate among manufacturers	0.99	0.98	1.05	1.00	**0.94**
Average incident frequency rate among manufacturers of electrical machinery and equipment	0.46	0.49	0.44	0.39	**0.41**

* Frequency rate = [(Number of injuries or deaths/hours worked) x 1,000,000] indicates number of injuries or deaths from accidents or incidents per 1 million hours of work.
Note: In the year ended March 31, 2012, the definition of workplace accidents or incidents (resulting in injury or death) was revised from those resulting in four or more days of lost work to those resulting in one or more days of lost work.

Workplace incident severity rate* (Dainippon Screen)

	2010	2011	2012	2013	**2014**
Dainippon Screen incident severity rate	0.00	0.00	0.00	0.00	**0.00**
Average incident severity rate among manufacturers	0.08	0.09	0.08	0.10	**0.10**
Average incident severity rate among manufacturers of electrical machinery and equipment	0.02	0.13	0.02	0.01	**0.01**

* Severity rate = [(Days of work lost / total working hours) x 1,000] indicates number of days lost per 1,000 hours of work.
Note: In the year ended March 31, 2012, the definition of workplace accidents or incidents (resulting in injury or death) was revised from those resulting in four or more days of lost work to those resulting in one or more days of lost work.

Number of recipients of occupational health and safety education (Dainippon Screen Group in Japan)

	Education for new employees	Follow-up education for new employees	Management education	Foreman education	Risk assayer education	Education on the prevention of and response to infectious disease in the workplace*
2012	41	27	71	76	48	—
2013	73	50	66	51	167	—
2014	**63**	**51**	**85**	**67**	**92**	**54***

* Implemented training on responding to an influenza pandemic.

Awards and recognitions (related to CSR)

2014

Recipient		Award giving organization	Content of award or recognition	Result
Hikone Site	June 2013	Shiga Prefecture Police	Platinum Award for Safe Driving	Awarded
Yasu Site	May 2013	Shiga Labor Standards Association, Otsu Branch	Accident-free Record Certification, Class 5	Received
	June 2013	Konan Fire Protection and Safety Association	Workplace fire and accident prevention	Awarded
SE Company	April 2014	Intel Corporation	2013 Preferred Quality Supplier (PQS) Award	Awarded
MEBACS	May 2013	Moriyama Yasu Safe Driving Supervisors Council	No-accident, no-traffic violation campaign (the Kansai Office participated in place of the Yasu Site)	Achieved
	November 2013	BSI Group Japan K.K.	ISO 9001 quality management system given to MEBACS Tokyo Head Office and Kansai Office	Certified

Environmental Report

Note: All years shown are for the accounting year ended March 31 of the year shown.

* Blank: N/A 0: Less than 0.1

Environmental management

Acquisition of ISO/OHSAS by Group companies (in Japan)

As of March 31, 2014

		ISO 9001	ISO 14001	OHSAS 18001
Manufacturing	Tech In Tech Co., Ltd.	Acquired	Acquired	Acquired
	Scientific and Semiconductor Manufacturing Equipment Recycling Co., Ltd.		Acquired	Acquired
	Quartz Lead Co., Ltd.	Acquired	Acquired	Acquired
	FASSE Co., Ltd.	Acquired	Acquired	Acquired
Services	MT Service Japan East Co., Ltd.	Acquired	Acquired	Acquired
	MT Service Japan West Co., Ltd.	Acquired	Acquired	Acquired
	SEBACS Co., Ltd.	Acquired	Acquired	Acquired
	FEBACS Co., Ltd.	Acquired	Acquired	Acquired
	MEBACS Co., Ltd.	Acquired	Acquired	Acquired
Others	Media Technology Japan Co., Ltd.		Acquired	Acquired
	Tec Communications Co., Ltd.	Acquired	Acquired	Acquired
	TRANSUP Japan Co., Ltd.		Acquired	Acquired
	INITOUT Japan Co., Ltd.		Acquired	Acquired
	S. Ten Nines Kyoto Co., Ltd.		Acquired	Acquired
	GERANT Co., Ltd.		Acquired	Acquired
	DS FINANCE Co., Ltd.			
	ReVersion 65 Co., Ltd.			
	Miyako LinkRing Co., Ltd.			
	EMD Corporation		Acquired	Acquired
	SCREEN KUMAMOTO Co., Ltd.			

Acquisition of ISO/OHSAS by Group companies (overseas)

As of March 31, 2014

		ISO 9001	ISO 14001	OHSAS 18001
Manufacturing	Dainippon Screen Mt (Hangzhou) Co., Ltd.	Acquired	Acquired	
	Inca Digital Printers Ltd.	Acquired		
	Silicon Light Machines Corporation			
Others	D.S. North America Holdings, Inc.			
	Dainippon Screen Graphics (USA), LLC			
	DNS Electronics, LLC			
	SOKUDO USA, LLC			
	Dainippon Screen (U.K.) Ltd.*			
	Dainippon Screen (Deutschland) Gmbh			
	Dainippon Screen (Nederland) B.V.			
	Dainippon Screen Singapore Pte. Ltd.			
	Dainippon Screen (China) Ltd.			
	Dainippon Screen Electronics (Shanghai) Co., Ltd.			
	Dainippon Screen Electronics (Taiwan) Co., Ltd.			
	DNS Feats (Taiwan) Co., Ltd.			
	Dainippon Screen (Taiwan) Co., Ltd.			
	Dainippon Screen (Australia) Pty. Ltd.	Acquired		
	Dainippon Screen (Korea) Co., Ltd.	Acquired		

* Subsidiary of Dainippon Screen (Nederland) B.V. from April 1, 2013.

Legal compliance and reported complaints (Dainippon Screen Group in Japan)

2012		
No particular issues arose.		
2013		
No particular issues arose.		
2014		
Hikone Site	Sewage Act Measurements are done and recorded, but not sufficient to cover all items stipulated by the law	One case
MTJN Hiroshima	Road Traffic Act Parking violation	One case

EHS education

Basic courses	General employee course (new graduates, mid-career recruits) Foreman course Manager course Self-care/Line-care
EHS management course	Individual EHS manager/individual EHS secretary course Issue-specific course for section committee members Internal EHS auditor course Environmental assay course Risk assay course Individual EHS Secretariat courses General bureau course Training for dissemination of revised manuals Training for managing infectious diseases BCP-BCM training for managing pandemics Disaster management training BCMS development courses BCMS-BIA risk assessor training
Courses by job function	Product designer course Purchasing manager course Course for people in charge of facility operations Factory facility manager course Course for people in charge of waste management Course for people in charge of chemical substance management Course for specific persons handling chemical solutions or gases Workplace vehicle operator course Course for legally qualified individuals Product EHS training
Organization-specific courses	Course for legally qualified individuals Customer-specific license training course Emergency response training Qualifications required for individual sites, lines, groups, etc.

Environmental accounting

(Dainippon Screen Group in Japan)
Environmental protection costs

(Millions of yen)

Category		Protection costs			Amount invested		
		2012	2013	**2014**	2012	2013	**2014**
1. Cost within business area	1. Pollution prevention: Wastewater treatment facilities, air treatment facilities	526	377	**303**	1	68	**5**
	2. Environmental preservation: Inverters, facilities for preventing global warming	88	46	**30**	34	1,738	**179**
	3. Resource circulation: Appropriate waste disposal	81	62	**104**	0	0	**0**
2. Upstream/downstream costs	Recycled product business	648	594	**487**	0	0	**0**
3. Administration costs	Analysis and measurement, environmental management education	186	96	**180**	3	1,070	**1**
4. R&D costs	Development of environmentally friendly products	1,389	1,269	**1,227**	0	0	**0**
5. Social initiative costs	Publishing report, environmental beautification initiatives	10	12	**5**	8	0	**0**
6. Costs associated with resolving environmental damages		54	50	**49**	0	0	**0**
Total		2,981	2,504	**2,384**	47	2,876	**185**

Environmental preservation effects

(Metric tons) (Millions of yen)

Category	Amount			Cost		
	2012	2013	**2014**	2012	2013	**2014**
Effects of reduction efforts on volume of chemical substances used	(27)	0.2	**0**	(48)	0	**0**
Effects of reduction efforts on amount of energy used	(1,626) t-CO_2	(9,237) t-CO_2	**(6,557) t-CO_2**	(4)	13	**(43)**
Effects of reduction efforts on volume of waste emissions	22	150	**(112)**	0	2	**(1)**
Effects of resource conservation: Amount of products reused and paper and cardboard sold	30	29	**36**	913	849	**703**
Total				862	864	**659**

Greenhouse gases

CO_2 emissions by each site and Group company

(t)

	2010	2011	2012	2013	**2014**
Domestic Group (Dainippon Screen + Group companies in Japan)					
Dainippon Screen Mfg. Co., Ltd.					
Hikone	16,399	15,791	16,190	21,469	**27,215**
Sites in head office area (head office, Nishikyogoku, Kyoto Minami)	632	496	605	831	**928**
Rakusai	3,802	3,782	3,444	4,024	**4,250**
Taga	451	2,848	3,307	3,792	**4,410**
Yasu	1,718	1,661	3,176	4,919	**6,464**
Kuze*	1,128	778	—	—	**—**
Kumiyama	1,521	1,359	1,388	1,970	**2,232**
Sites in Tokyo area (Kudan, Monzennaka-cho)	16	10	59	125	**142**
Total of sites	25,667	26,724	28,170	37,129	**45,643**
Group companies in Japan					
Tech In Tech Co., Ltd.	433	488	453	570	**708**
Quartz Lead Co., Ltd.	714	1,210	1,109	1,087	**1,404**
SEBACS Co., Ltd.	67	72	74	96	**105**
Scientific and Semiconductor Manufacturing Equipment Recycling Co., Ltd.	8	8	26	73	**78**
FEBACS Co., Ltd.	154	141	363	245	**382**
FASSE Co., Ltd.	445	468	431	608	**723**
SOKUDO Co., Ltd.	2,181	1,810	1,982	2,712	**—**
Media Technology Japan Co., Ltd.	54	60	44	44	**50**
MT Service Japan West Co., Ltd.	36	29	27	38	**43**
MT Service Japan East Co., Ltd.	12	109	66	79	**89**
S.Ten Nines Kyoto Co., Ltd.	41	38	67	93	**85**
INITOUT Japan Co., Ltd.	25	20	21	21	**23**
Tec Communications Co., Ltd.	83	69	67	96	**109**
TRANSUP Japan Co., Ltd.	29	24	22	9	**11**
GERANT Co., Ltd.	10	10	9	10	**13**
MEBACS Co., Ltd.	34	32	8	14	**15**
Total of Group companies in Japan	4,326	4,588	4,768	5,793	**3,836**
Total of Group companies in Japan	29,993	31,312	32,938	42,922	**49,479**
Overseas Group companies					
Dainippon Screen Mt (Hangzhou) Co., Ltd.	256	272	518	591	**560**
Inca Digital Printers Ltd.	374	1,302	1,194	1,014	**760**
Dainippon Screen (Nederland) B.V.	112	133	143	148	**96**
Dainippon Screen (U.K.) Ltd.	—	11	210	1,011	**15**
Dainippon Screen Graphics (USA), LLC	—	288	280	382	**392**
Dainippon Screen (China) Ltd.	87	66	65	54	**59**
Dainippon Screen (Korea) Co.,Ltd.	67	69	71	165	**170**
Dainippon Screen (Taiwan) Co., Ltd.	17	21	23	24	**24**
Dainippon Screen (Australia) Pty. Ltd.	49	50	54	53	**49**
Screen Media Technology Ltd.	33	30	33	20	**27**
Dainippon Screen (Deutschland) Gmbh	565	543	504	425	**438**
Dainippon Screen Electronics (Taiwan) Co., Ltd.	328	301	341	334	**320**
Dainippon Screen Singapore Pte. Ltd.	198	215	167	219	**222**
DNS Electronics, LLC	356	345	737	797	**792**
Dainippon Screen Electronics (Shanghai) Co., Ltd.	96	173	172	78	**78**
DNS Feats (Taiwan) Co., Ltd.	103	95	90	84	**83**
Silicon Light Machines Corporation	250	345	319	290	**248**
Total of overseas Group companies	2,889	4,258	4,920	5,689	**4,331**

Notes: 1. Basis for calculation: The Dainippon Screen Group in Japan bases CO_2 conversions on the "Guidelines for Calculating Greenhouse Gas Emission from Businesses," issued by the Ministry of the Environment. Domestic emissions conversion factors for year ended March 31, 2014: Kansai Electric 0.45 $kgCO_2/kWh$, Tokyo Electric 0.464 $kgCO_2/kWh$, Hokuriku Electric 0.641$kgCO_2/kWh$, Tohoku Electric 0.547 $kgCO_2/kWh$.
For the overseas Group companies, calculations are based on the greenhouse gas protocol conversion factor announced for the year ended March 31, 2006.
2. A "—" indicates outside the scope of the environmental management system.

*Closed after 2011.

CO_2 emissions by the Greenhouse Gas Protocol classification (The Dainippon Screen Group)

(t)

	2010	2011	2012	2013	**2014**
Scope 1 + Scope 2	**32,882**	35,571	37,858	48,600	**53,810**
Scope 1	**8,155**	11,124	11,797	13,094	**12,309**
Scope 2	**24,727**	24,447	26,061	35,506	**41,501**

Notes: 1. The Greenhouse Gas Protocol is a set of internationally recognized standards for the calculation and reporting of GHG emissions.
2. Scope 1 includes greenhouse gas emissions from the direct use of fossil fuels. Scope 2 targets emissions generated through secondary use resulting from electricity purchases.

Reduction measures targeting CO_2 emissions: Major specific initiatives

	Measure	Site	Reduction	
2012	Installing heat barrier curtain	Head Office	CO_2 reduction	0.3 metric ton
			Cost-cutting	¥9,000
	Upgrading air compressor	Rakusai	CO_2 reduction	44 metric tons
			Cost-cutting	¥1,226,000
	Upgrading humidification steam boiler	Rakusai	CO_2 reduction	28 metric tons
			Cost-cutting	¥720,000
2013	Upgrading air conditioning equipment at CRC wing	Hikone	CO_2 reduction	10.9 metric tons
			Cost-cutting	¥698,000
	Spacing out fluorescent lighting throughout the office	Yasu	CO_2 reduction	23.7 metric tons
			Cost-cutting	¥1,518,000
	Introducing air-heat collectors for air conditioning	Tech In Tech Co., Ltd.	CO_2 reduction	14.5 metric tons
			Cost-cutting	¥928,000
2014	**Installation of photovoltaic panels**	**Head Office**	**CO_2 reduction**	**9 metric tons**
			Cost-cutting	**¥242,000**
	Improving the operation of air compressor, water purifying facility and waste processing facility	**Hikone Site**	**CO_2 reduction**	**786 metric tons/year**
			Cost-cutting	**¥21,546,000/year**

Low-emission vehicles

Number of company vehicles and energy-efficient vehicles (Dainippon Screen Group in Japan)

	2010	2011	2012	2013	**2014**
Number of energy-efficient vehicles	135	141	121	119	117
Number of other vehicles	7	7	2	2	2
Actual ratio of energy-efficient vehicles (%)	95.1	95.3	98.4	98.3	98.3
Number of low-emission trucks in service	90	357	831	432	794

Energy

Direct/indirect energy consumption (Dainippon Screen)

(Thousands of gigajoules)

	2010	2011	2012	2013	**2014**
Scope 1: Direct energy (town gas/LPG/kerosene)	155	198	192	210	**217**
Scope 2: Indirect energy (electricity)	663	657	600	653	**679**

Note: Uses a conversion factor of 9.97×10^{-3} GJ per 1kWh of electricity consumption.

Direct/indirect energy consumption (Dainippon Screen Group in Japan)

(Thousands of gigajoules)

	2010	2011	2012	2013	**2014**
Scope 1: Direct energy (town gas/LPG/kerosene)	179	202	214	213	**221**
Scope 2: Indirect energy (electricity)	753	719	705	692	**723**

Note: Uses a conversion factor of 9.97×10^{-3} GJ per 1kWh of electricity consumption.

Chemical substances

Data on substances subject to the PRTR Act (Dainippon Screen Group in Japan)

(t)

Substance name	Cabinet order number	Usage		
		2012	2013	**2014**
Xylene	80	0.2	0.1	**0.3**
Hydrogen fluoride and its compound	374	5.5	4.9	**5.6**
Hydrazine	333	0.4	0.4	**0.4**
Formaldehyde	411	0	0	**0**
2-aminoethanol	20	0	0	**0.1**
Toluene	300	0	0.1	**0.1**
Ferric chloride	71	47.3	47.6	**46.0**
N,N-dimethylformamide	232	—	0.1	**0.1**
1, 3, 5-trimethylbenzene	297	—	—	**0.2**
Total		53.4	53.2	**52.5**

Substance name	Amount of movement								
	Emissions to the atmosphere			Emissions to the water system			Amount of movement of wastes		
	2012	2013	**2014**	2012	2013	**2014**	2012	2013	**2014**
Xylene	0.2	0.1	**0.3**	0	0	**0**	0	0	**0**
Hydrogen fluoride and its compound	0	0	**0**	0	0	**0**	5.5	4.9	**5.6**
Hydrazine	0	0	**0**	0	0	**0**	0.4	0.4	**0.4**
Formaldehyde	0	0	**0**	0	0	**0**	0	0	**0**
2-aminoethanol	0	0	**0**	0	0	**0**	0	0	**0.1**
Toluene	0	0.1	**0.1**	0	0	**0**	0	0	**0**
Ferric chloride	0	0	**0**	0	0	**0**	47.3	47.6	**46.0**
N,N-dimethylformamide	—	0	**0**	—	0	**0**	—	0.1	**0.1**
1, 3, 5-trimethylbenzene	—	—	**0**	—	—	**0**	—	—	**0.2**
Total	0.2	0.2	**0.4**	0	0	**0**	53.2	53	**52**

PCB processing (Dainippon Screen Group in Japan)

(Number of units owned)

Type	2010	2011	2012	2013	**2014**
High-voltage capacitors	43	43	46	1	**0**
Low-voltage capacitors	197	197	197	197	**0**
Fluorescent light ballasts	178	178	178	178	**178**
Transformers	1	1	1	4	**4**
Reactors	3	5	5	5	**5**
Capacitors*	—	—	—	6	**6**

* Listed from the fiscal year ended March 31, 2013, due to the inclusion of equipment containing low-concentration PCBs.

Amount of substances used and in circulation

Total amount of substances used (by resource type) (Dainippon Screen)

(t)

	2010	2011	2012	2013	**2014**
Total amount of substances used	7,498	14,054	14,753	11,311	**11,637**
Chemical substances	4	27	53	52	**51**

Total amount of substances used (by resource type) (Dainippon Screen Group in Japan)

(t)

	2010	2011	2012	2013	**2014**
Total amount of substances used	7,755	15,392	16,068	12,072	**12,176**
Chemical substances	4	27	53	53	**53**

Waste/recycling

Breakdown of waste emissions (Dainippon Screen)

(t)

	2010	2011	2012	2013	2014
Total volume of waste emissions	479	1,481	1,420	1,373	**1,486**
Volume of recycled waste	475	1,468	1,394	1,319	**1,392**
Recycling rate (%)	99.2%	99.1%	98.2%	96.1%	**93.7%**
Volume of waste for final disposal	4	13	26	54	**94**

Breakdown of waste emissions (Dainippon Screen Group in Japan)

(t)

	2010	2011	2012	2013	2014
Total volume of waste emissions	647	1,794	1,806	1,656	**1,768**
Volume of recycled waste	629	1,730	1,708	1,516	**1,593**
Recycling rate (%)	97.2%	96.4%	94.6%	91.6%	**90.1%**
Volume of waste for final disposal	18	64	98	140	**175**

Total volume of waste emissions by site and Group company

(t)

	2010	2011	2012	2013	2014
Domestic Group (Dainippon Screen + Group companies in Japan)					
Dainippon Screen Mfg. Co., Ltd. *1					
Hikone	427	769	863	899	**884**
Sites in head office area (head office, Nishikyogoku, Kyoto Minami)	26	23	26	23	**25**
Rakusai	49	37	34	45	**24**
Taga	0	108	138	74	**139**
Yasu	41	56	91	100	**141**
Kuze *2	41	187	22	—	**—**
Kumiyama	157	299	242	211	**250**
Sites in Tokyo area (Kudan, Monzennaka-cho)	8	1	3	21	**22**
Total of sites	749	1,481	1,419	1,373	**1,485**
Group companies in Japan					
Tech In Tech Co., Ltd.	11	18	23	17	**17**
Quartz Lead Co., Ltd.	29	89	89	58	**70**
SEBACS Co., Ltd.	16	4	2	5	**3**
Scientific and Semiconductor Manufacturing Equipment Recycling Co., Ltd.	1	2	2	1	**1**
FEBACS Co., Ltd.	4	3	7	4	**5**
FASSE Co., Ltd.	79	124	126	93	**98**
SOKUDO Co., Ltd.	3	11	29	11	**—**
Media Technology Japan Co., Ltd.	8	6	12	10	**7**
MT Service Japan West Co., Ltd.	5	5	4	4	**4**
MT Service Japan East Co., Ltd.	2	13	8	7	**13**
S. Ten Nines Kyoto Co., Ltd.	1	0	1	1	**1**
INITOUT Japan Co., Ltd.	1	1	1	1	**1**
Tec Communications Co., Ltd.	6	9	11	7	**7**
TRANSUP Japan Co., Ltd.	19	25	66	63	**55**
GERANT Co., Ltd.	0	0	0	0	**0**
MEBACS Co., Ltd.	3	3	6	1	**1**
Total of Group companies in Japan	188	313	387	283	**283**
Total of Dainippon Screen Group in Japan	937	1,794	1,806	1,656	**1,768**
Overseas Group companies					
Total of overseas Group companies	—	—	—	88	**125**

*1 Emissions at each site exclude emissions by domestic Group companies located within those sites.
*2 Closed after 2011.
Note: A "—" indicates that the company is or was not within the scope of the environmental management system during that period.

Breakdown of external waste emissions

(t)

	2012	2013	2014		2012	2013	2014
Volume of resources of value	721.1	589.6	**631.4**	Waste oil (special)	15.0	17.9	**13.2**
Sludge waste	385.0	383.5	**396.9**	Ceramics, glass	10.6	9.8	**14.0**
General-purpose paper	24.1	19.7	**21.2**	Waste alkali (special)	22.9	5.2	**28.2**
Waste plastic	168.3	163.1	**182.4**	Electrical wiring, PCBs	0.0	0.0	**0.0**
Waste acid (special)	94.6	84.4	**113.3**	Burnable waste	3.2	6.8	**7.3**
Cardboard	25.0	22.5	**26.7**	Waste film	19.7	18.7	**21.4**
Cloth, wood scrap	69.8	66.1	**84.2**	Batteries	0.8	1.0	**1.0**
Waste alkali	25.2	21.7	**16.9**	Waste acid	4.4	1.4	**1.7**
Scrap metal	96.0	107.3	**96.5**	Waste fluorescent lighting	2.0	2.1	**2.3**
Paper	47.5	40.6	**46.6**	Others	51.8	25.6	**36.2**
Waste oil	19.4	13.1	**30.3**				

Breakdown of resources of value indicated above

(t)

	2012	2013	2014		2012	2013	2014
Cardboard	185.6	164.9	**174.9**	Film	0.1	0.0	**0.2**
Metals	250.0	139.1	**175.2**	Glass (wafers)	1.2	2.0	**1.3**
General-purpose paper	212.8	197.9	**187.7**	Magazines, catalogs	3.5	8.3	**9.2**
Polyvinyl chloride	19.6	13.5	**10.8**	Others	48.3	63.9	**72.1**

Recycling rates by site and Group company

(%)

	2012	2013	2014
Domestic Group (Dainippon Screen + Group companies in Japan)			
Dainippon Screen Mfg. Co., Ltd.			
Hikone Plant	97.3	99.0	**97.3**
Sites in head office area (head office, Nishikyogoku, Kyoto Minami)	99.9	99.4	**99.3**
Rakusai Site	99.9	91.4	**80.5**
Taga Plant	100.0	100.0	**100.0**
Yasu Plant	97.6	95.2	**57.5**
Kumiyama Plant	100.0	100.0	**98.6**
Sites in Tokyo area (Kudan, Monzennaka-cho)	94.6	93.0	**93.3**
Group companies in Japan			
Tech In Tech Co., Ltd.	94.4	95.8	**99.1**
Scientific and Semiconductor Manufacturing Equipment Recycling Co., Ltd.	56.7	54.9	**70.9**
Quartz Lead Co., Ltd.	100.0	99.4	**37.3**
FASSE Co., Ltd.	52.0	54.7	**62.8**
MT Service Japan East Co., Ltd.	100.0	100.0	**100.0**
MT Service Japan West Co., Ltd.	100.0	100.0	**100.0**
SEBACS Co., Ltd.	99.5	98.4	**97.8**
FEBACS Co., Ltd.	99.9	100.0	**100.0**
MEBACS Co., Ltd.	98.5	96.6	**100.0**
Media Technology Japan Co., Ltd.	98.5	100.0	**100.0**
Tec Communications Co., Ltd.	98.4	93.8	**97.1**
TRANSUP Japan Co., Ltd.	100.0	100.0	**100.0**
INITOUT Japan Co., Ltd.	100.0	100.0	**100.0**
S. Ten Nines Kyoto Co., Ltd.	91.5	81.9	**88.9**
GERANT Co., Ltd.	100.0	100.0	**100.0**
Total of domestic Group	95.0	96.1	**90.1**

Note: Scope of report includes Dainippon Screen sites and Group companies in Japan that have certified environmental management systems.

Green purchasing ratio

Green purchasing ratio by site and Group company

(%)

	2010	2011	2012	2013	2014
Domestic Group (Dainippon Screen + Group companies in Japan)					
Dainippon Screen Mfg. Co., Ltd.					
Hikone Plant	99.21	99.97	99.90	99.60	**99.91**
Sites in head office area (head office, Nishikyogoku, Kyoto Minami)	99.82	76.38	88.83	99.40	**97.50**
Rakusai Site	93.82	100.00	100.00	100.00	**100.00**
Taga Plant	—	100.00	100.00	100.00	**100.00**
Yasu Plant	100.00	99.68	100.00	100.00	**100.00**
Kumiyama Plant	100.00	100.00	100.00	100.00	**94.49**
Sites in Tokyo area (Kudan, Monzennaka-cho)	100.00	100.00	100.00	100.00	**100.00**
Group companies in Japan					
Tech In Tech Co., Ltd.	96.62	100.00	100.00	100.00	**100.00**
Scientific and Semiconductor Manufacturing Equipment Recycling Co., Ltd.	100.00	100.00	100.00	100.00	**100.00**
Quartz Lead Co., Ltd.	100.00	100.00	100.00	100.00	**100.00**
FASSE Co., Ltd.	82.36	96.13	99.51	85.80	**86.24**
MT Service Japan East Co., Ltd.	—	100.00	100.00	100.00	**100.00**
MT Service Japan West Co., Ltd.	100.00	100.00	100.00	100.00	**100.00**
SEBACS Co., Ltd.	93.03	100.00	100.00	100.00	**100.00**
FEBACS Co., Ltd.	85.79	100.00	100.00	100.00	**100.00**
MEBACS Co., Ltd.	89.77	100.00	100.00	100.00	**100.00**
Media Technology Japan Co., Ltd.	—	100.00	100.00	100.00	**100.00**
Tec Communications Co., Ltd.	91.28	99.81	99.70	100.00	**100.00**
TRANSUP Japan Co., Ltd.	98.57	99.28	100.00	100.00	**100.00**
INITOUT Japan Co., Ltd.	100.00	98.54	100.00	100.00	**100.00**
S. Ten Nines Kyoto Co., Ltd.	100.00	100.00	100.00	100.00	**97.64**
GERANT Co., Ltd.	65.68	89.17	100.00	100.00	**100.00**
Total of Group companies in Japan	97.83	98.58	98.79	99.74	**93.61**

Note: A "—" indicates that the company is or was not within the scope of the environmental management system during that period.

Water

Water used (Dainippon Screen)

(Thousands of m^3)

	2010	2011	2012	2013	2014
Service water	221	247	243	254	**194**
Industrial water	1,674	1,803	1,837	1,846	**1,787**
Total	1,895	2,050	2,080	2,100	**1,981**

Water used (Dainippon Screen Group in Japan)

(Thousands of m^3)

	2010	2011	2012	2013	2014
Service water	244	281	276	286	**227**
Industrial water	1,674	1,803	1,837	1,846	**1,787**
Total	1,918	2,084	2,113	2,132	**2,014**

Water used (overseas Group companies)

(Thousands of m^3)

	2013	2014
Service water	19	**20**

Note: Data available from 2013.

Total volume of water emissions (Dainippon Screen)

(Thousands of m^3)

	2010	2011	2012	2013	**2014**
Public water areas, sewerage	1,895	2,050	2,080	2,100	**1,981**

Total volume of water emissions (Dainippon Screen Group in Japan)

(Thousands of m^3)

	2010	2011	2012	2013	**2014**
Public water areas	1,917	2,072	2,113	2,132	**2,014**

BOD and COD measurements (Dainippon Screen)

(mg/ℓ)

	2010	2011	2012	2013	**2014**
BOD	1.6	1.5	1.9	1.5	**0.9**
COD	2.8	2.3	1.5	1.6	**1.6**

Air quality

SOx and NOx emissions (Dainippon Screen Group in Japan)

(t)

	2010	2011	2012	2013	**2014**
SOx emissions	0.0	0.0	0.0	0.0	**0.0**
NOx emissions	4.6	8.9	8.5	8.4	**8.8**

Transport

CO_2 emissions from logistics operations by mode of transportation (Dainippon Screen)

(t)

	2010	2011	2012	2013	**2014**
Vehicles	579	819	939	539	**655**
Ships	14	40	35	6	**14**
Railroads	2	1	1	1	**1**

Reduction in CO_2 emissions resulting from modal shift in product transportation (Dainippon Screen)

	Number of shipments			CO_2 reductions (t)		
	2012	2013	**2014**	2012	2013	**2014**
Marine transport	263	50	**113**	180	33	**73**
Rail transport	92	55	**21**	8	5	**2**

Number of trucks involved in transportation

	2012	2013	**2014**
Number of trucks involved in product transportation	4,326 (99.1% of the level recorded in the fiscal year ended Mar. 31, 2011)	2,706 (62.6% of the level recorded in the fiscal year ended Mar. 31, 2012)	**4,082 (150.8% of the level recorded in the fiscal year ended Mar. 31, 2013)**
Number of trucks used for coastal shipping (to Kyushu)	263 (88.9% of the level recorded in the fiscal year ended Mar. 31, 2011)	50 (19.0%of the level recorded in the fiscal year ended Mar. 31, 2012)	**113 (22.6% of the level recorded in the fiscal year ended Mar. 31, 2013)**

Environmental consideration for the transportation of indirect materials and product containers and packaging

	Initiative	Result
2012	Reuse of cushioning materials at Hikone CRC Parts Center	Reuse of 215 kg of cushioning materials
	Promotion of ESPIE packaging using reinforced cardboard as packaging for the transportation of semiconductor and LCD fabrication equipment	Reduction of 324 tons in wooden materials used The rate of reduction in total use of wooden materials came to 10%*
2013	Reuse of cushioning materials at Hikone CRC Parts Center	Reuse of 168 kg of cushioning materials
	Promotion of ESPIE packaging using reinforced cardboard as packaging for the transportation of semiconductor and LCD fabrication equipment	Reduction of 263 tons in wooden materials used The rate of reduction in total use of wooden materials came to 20%*
	Reduction in wooden materials, owing to revision of packaging sizes	Reduction of 8.4 tons in wooden materials used (initiatives from the fiscal year ended March 31, 2013)
2014	**Reuse of cushioning materials at Hikone CRC Parts Center**	**Reuse of 165 kg of cushioning materials**
	Promotion of ESPIE packaging using reinforced cardboard as packaging for the transportation of semiconductor and LCD fabrication equipment	**Reduction of 311 tons in wooden materials used The rate of reduction in total use of wooden materials came to 12%***
	Reduction in wooden materials, owing to revision of packaging sizes	**Reduction of 12 tons in wooden materials used (initiatives from the fiscal year ended March 31, 2013)**

* Percentage decrease = Reduction in use of wooden materials due to use of ESPIE (reinforced cardboard packaging) ÷ Total amount of wooden materials used in packaging for export (SEC and FEC products) x 100

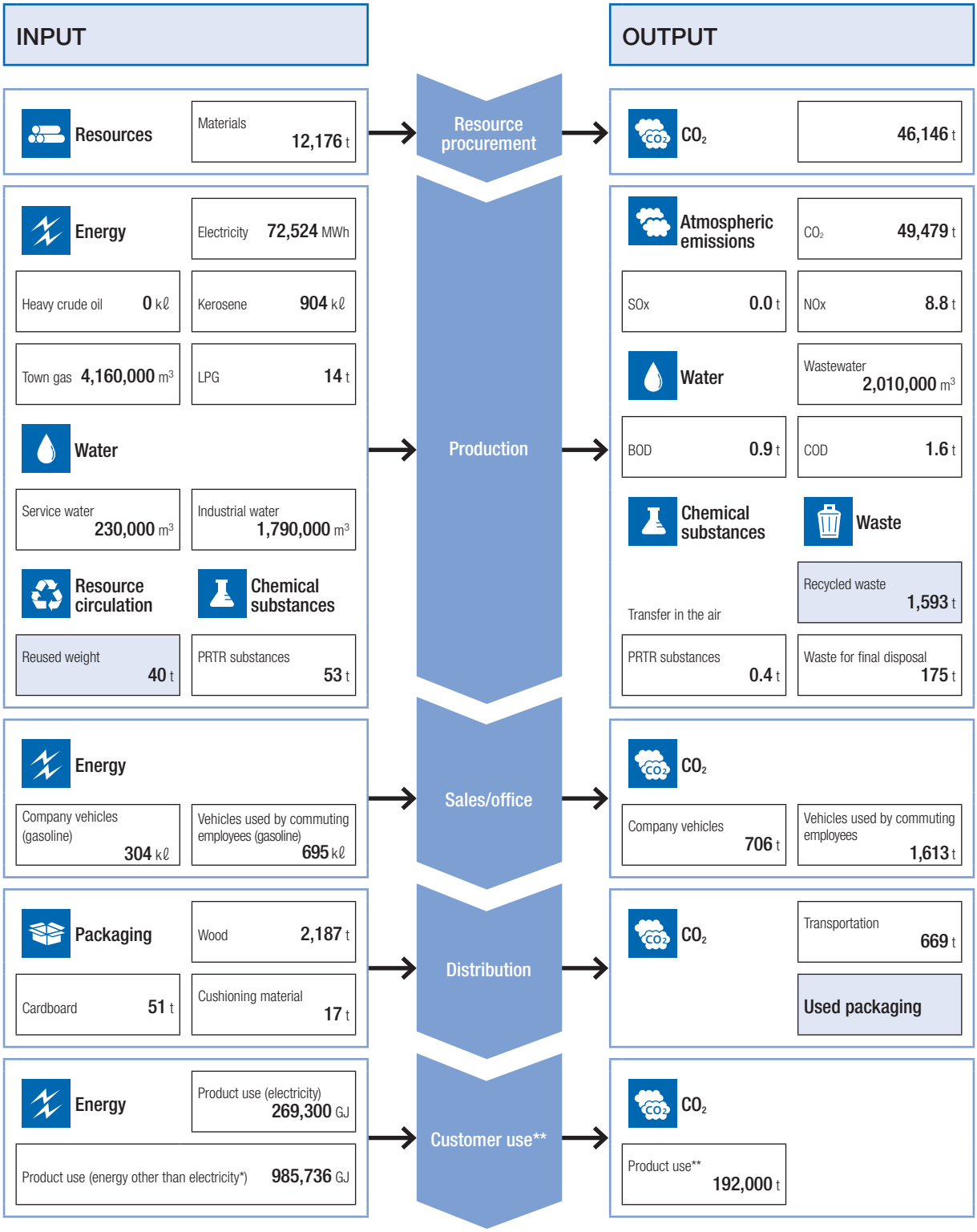
Reducing environmental impacts of products

Percentage of total sales and number of green products (products designated environmentally friendly) (Dainippon Screen)

	2010	2011	2012	2013	**2014**
Number of green products	63	76	85	93	**104**
Percentage of total sales (%): Target	40	50	60	65	**70**
Performance	72	60	80	83	**87**

Note: Green products (environmentally friendly products): Products are compared against a standard product and are certified as green products if they score better by ten points or more and pass five standards in the categories of energy saving, resource conservation, reuse or recycling, safety and chemical substance management, and information availability.
Visit the following website to learn more about certified green products: http://www.screen.co.jp/environmentE/products.html

Material Balance (Dainippon Screen Group in Japan)



* Energy for utility (ultra pure water, dry air, nitrogen, exhaust, cooling water) equipment
** Use during a one-year period by customers of production shipped in the year ended March 31, 2013