

## Environmental Performance

### Production and Raw Materials

In 2025, the Company increased the use of recycled material on a continuous basis, reflecting improved resource efficiency and enhanced long-term competitiveness.

Performance Data	2021	2022 <sup>(1)</sup>	2023	2024	2025	GRI Standards	SASB
Production (Tons) <sup>(2)</sup>	83,339,510 <sup>(1)</sup>	85,891,647	77,518,763	79,120,677	83,591,508		EM-CM-000.A
Raw Materials (Tons) <sup>(2)</sup>	71,342,275	86,758,219	82,039,769	88,201,788	90,188,333	GRI 301-1	
Recycled Materials (Tons) <sup>(2)</sup>	3,759,406	6,048,122	5,445,245	7,497,227	5,733,927	GRI 301-2	RT-CP-410a.1
(%)	5.27	6.93	6.64	8.5	6.4	GRI 301-2	
Renewable Materials (Tons) <sup>(2)</sup>	N/A	4,777,591	6,892,041	7,458,443	7,297,618	GRI 301-1	
(%)	N/A	5.51	8.40	8.46	8.09	GRI 301-1	
Renewable Materials and Recycled Materials (Tons) <sup>(2)</sup>	N/A	10,825,712	8,564,830	8,929,642	9,101,794		
(%)	N/A	12.44	10.44	10.12	10.09		

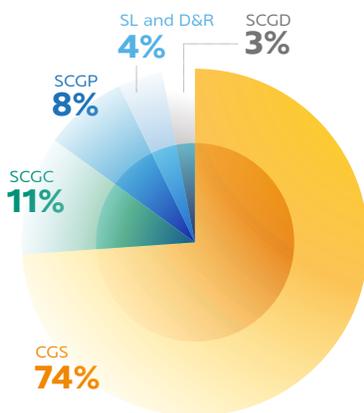
NA = Not Available

<sup>(1)</sup> 1<sup>st</sup> year to incorporate environmental and safety performance from operations overseas

<sup>(2)</sup> Within SGS's limited assurance scope

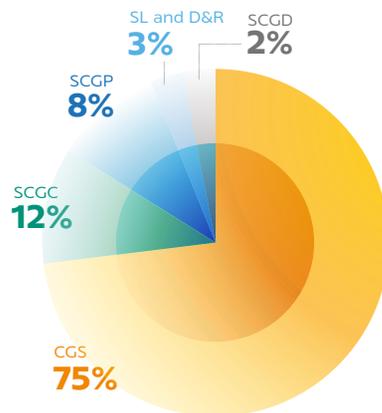
#### Production

**83.50** Million Tons

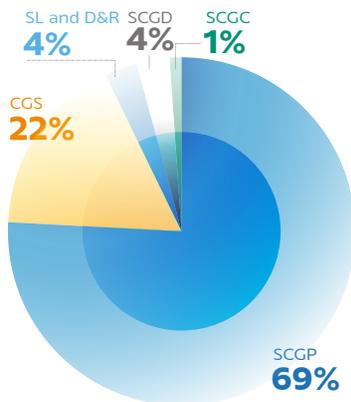


#### Raw Materials

**90.19** Million Tons

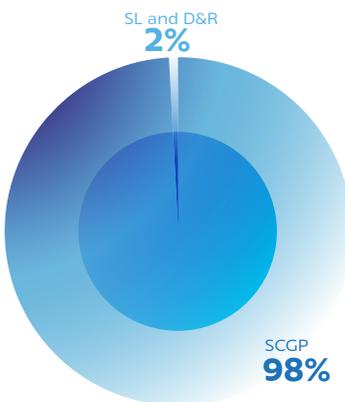


- SCG Cement and Green Solutions : CGS
- SCG Smart Living and SCG Distribution and Retail : SL and D&R
- SCG Decor : SCGD
- SCG Chemicals : SCGC
- SCGP



#### Renewable Materials

**5.73** Million Tons



#### Recycled Materials

**7.30** Million Tons

## Greenhouse Gas Emissions

Greenhouse gas emissions decreased 5.18 million tons CO<sub>2</sub> compared to 2020, in line with science base targets towards the net-zero in 2050.

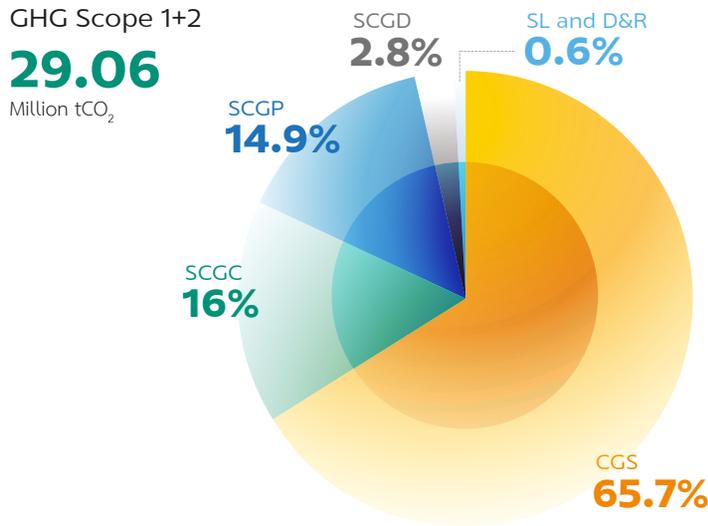
Performance Data	2021	2022	2023	2024	2025 <sup>(3)</sup>	GRI Standards	SASB
GHGs Scope 1 and 2 (Tons CO <sub>2</sub> )	33,525,541	30,116,798	27,083,867	25,479,607	29,058,639		
GHG Scope 1 (Tons CO <sub>2</sub> )	30,343,481	27,236,390	24,329,050	22,869,440	26,073,563	GRI 305-1	EM-CM-110a.1
GHG Scope 2 (Tons CO <sub>2</sub> )	3,182,060	2,880,408	2,754,817	2,610,166	2,985,076	GRI 305-2	
Location-Based (Tons CO <sub>2</sub> )	3,323,357	3,106,463	2,935,118	2,860,118	3,269,577		
Market-Based (Tons CO <sub>2</sub> )	3,182,060	2,880,408	2,754,817	2,610,166	2,985,076		
Biogenic CO <sub>2</sub> (Tons CO <sub>2</sub> )	4,853,737	5,459,979	3,968,392	5,522,750	4,553,608	GRI 305-1	
GHG emission reduction compare with base year 2020 (Tons CO <sub>2</sub> ) <sup>(1)</sup>	717,668	4,126,412	7,159,343	8,763,603	5,184,571	GRI 305-5	
(%)	2.09%	12.05%	20.91%	25.59%	15.14%		
GHG Scope 3 (Tons CO <sub>2</sub> ) <sup>(2)</sup>	15,603,650	10,014,394	10,606,251	10,695,208	15,497,603	GRI 305-3	
1. Purchased goods and services (Tons CO <sub>2</sub> )	5,036,763	4,672,130	5,303,395	5,822,774	6,433,066		
2. Capital goods (Tons CO <sub>2</sub> )	0	0	0	53,830	101,570		
3. Fuel and energy related activities (Tons CO <sub>2</sub> )	1,878,089	1,461,512	1,460,420	1,266,371	1,784,214		
4. Upstream transportation & distribution (Tons CO <sub>2</sub> )	1,090,483	1,542,759	1,480,778	1,109,770	1,023,275		
5. Waste generated in operations (Tons CO <sub>2</sub> )	1,373	2,642	22,427	76,327	108,684		
6. Business travel (Tons CO <sub>2</sub> )	1,479	13,225	3,910	6,761	3,404		
7. Employee commuting (Tons CO <sub>2</sub> )	24,144	6,888	9,981	36,009	88,420		
8. Upstream leased assets (Tons CO <sub>2</sub> )	0	0	0	0	0		
9. Downstream transportation & distribution (Tons CO <sub>2</sub> )	1,145,963	422,057	566,064	388,330	475,668		
10. Processing of sold products (Tons CO <sub>2</sub> )	4,225,574	34,002	246,235	434,023	993,098		
11. Use of sold products (Tons CO <sub>2</sub> )	1,747,781	1,205,819	887,651	918,074	916,827		
11.1 Use of sold fossil fuels	1,156,169	1,205,819	887,493	917,262	867,404		
12. End-of-life treatment of sold products (Tons CO <sub>2</sub> )	41,467	51,556	67,203	58,623	3,037,369		
13. Downstream leased assets (Tons CO <sub>2</sub> )	0	0	0	106	61		
14. Franchises (Tons CO <sub>2</sub> )	487	7,735	6,578	3,977	3,887		
15. Investments (Tons CO <sub>2</sub> )	410,047	594,068	551,609	520,234	528,060		

### Remarks

<sup>(1)</sup> Base Year 2020: GHG Scope 1+2 totaled 34,243,210 tCO<sub>2</sub>.

<sup>(2)</sup> Base Year 2021: GHG Scope 3 totaled 15,603,650 tCO<sub>2</sub>.

<sup>(3)</sup> GHG Scope 1, 2, and 3 data presented on this page are within SGS's limited assurance scope



**Energy Consumption**

Renewable fuel consumption is constantly increasing in order to reduce non-renewable fuel consumption

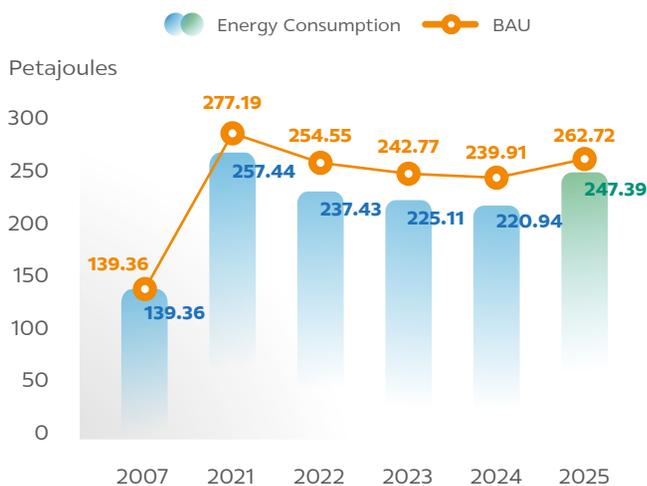
**Performance Data**

	2021	2022	2023	2024	2025	GRI Standards	SASB
Total Energy Consumption (Petajoules) <sup>(1)</sup>	257.44	237.43	225.11	220.94	247.39	GRI 302-1	EM-CM-130a.1
Non-Renewable Fuel Consumption (Petajoules) <sup>(1)</sup>	209.10	185.21	166.49	157.55	185.28	GRI 302-1	EM-CM-130a.1
Renewable Fuel Consumption (Petajoules) <sup>(1)</sup>	24.85	31.31	38.25	43.23	39.49		
Steam & Heat Consumption (Petajoules) <sup>(1)</sup>	4.65	2.52	2.61	2.59	2.42		
Electrical Consumption (Petajoules) <sup>(1)</sup>	19.18	18.66	18.01	17.81	20.45	GRI 302-1	EM-CM-130a.1
Electricity Sold (Petajoules) <sup>(1)</sup>	0.35	0.26	0.25	0.25	0.24		
Energy Consumption Reduction compare with business as usual (BAU) at base year of 2007 (Petajoules) <sup>(2)</sup>	19.75	17.12	17.66	18.97	15.32	GRI 302-4	
(%)	7.1	6.7	7.3	7.9	5.8		

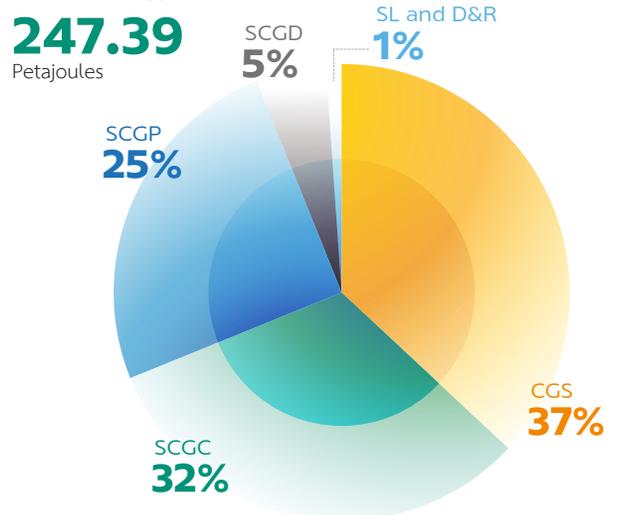
<sup>(1)</sup> Within SGS's limited assurance scope

<sup>(2)</sup> Base Year 2007: Energy consumption totaled 139.36 petajoules.

**Total Energy Consumption**



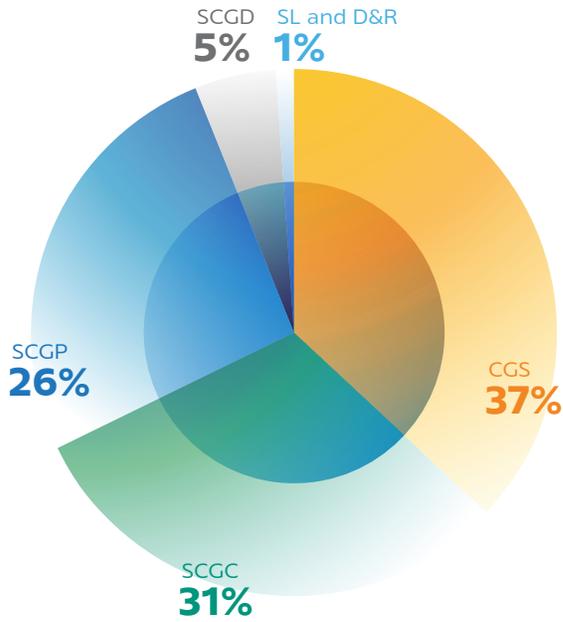
**Total Energy Consumption**



## Energy Consumption

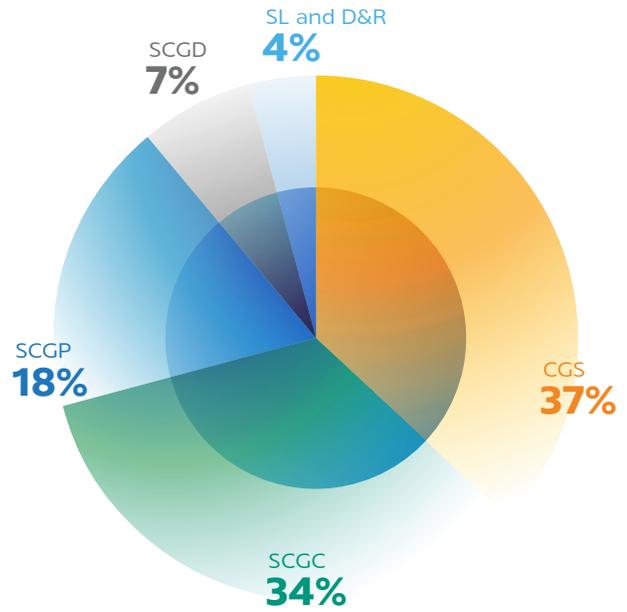
### Steam and Heat Consumption

**227.19** Petajoules



### Electrical Consumption

**20.45** Petajoules



### Co-processing Performance of Cement-Building Materials Business

Improvement of production processes through the use of alternative fuels in cement plant resulting in GHG reduction

Performance Data	2021	2022	2023	2024	2025	GRI Standards	SASB
Alternative fuel used to replace the fossil fuel (as % of total heat consumption)	19.9	26.9	35.5	43.52	33.38		
• Alternative fossil fuel	7.7	9.1	11.7	15.1	12.27		
• Biomass	12.2	17.8	23.8	28.5	21.11		
Alternative raw materials contained in cement (%)	8.4	10.1	7.33	7.64	6.04		
Alternative raw materials contained in concrete (%)	1.09	0.94	1.05	1.25	1.29		
Clinker-to-Cement ratio (%)	74.2	71.82	71.24	69.25	69.41		

## Water Withdrawal and Effluent Quality

In 2025, SCG enhanced operational efficiency by increasing the proportion of recycled water.

### Performance Data

	2021 <sup>(1)</sup>	2022	2023	2024	2025	2025 Areas with water stress <sup>(2)</sup>	GRI Standards	SASB
<b>Water Withdrawal</b>								
Water Withdrawal by source								
Surface water (megaliter) <sup>(3)</sup>	50,840	50,247	47,563	49,828	50,618	40,704	GRI 303-3	EM-CM-140a.1
• Freshwater TDS ≤ 1,000 mg/l	50,840	50,230	47,557	49,828	50,618	40,704		
• Other water TDS > 1,000 mg/l	0	17	6	0	0	0		
Groundwater (megaliter) <sup>(3)</sup>	42,310	38,625	36,750	38,988	40,394	447	GRI 303-3	EM-CM-140a.1
• Freshwater TDS ≤ 1,000 mg/l	42,310	38,625	36,406	38,756	40,022	447		
• Other water TDS > 1,000 mg/l	0	0	344	232	372	0		
Third-party water (total) (megaliter) <sup>(3)</sup>	36,870	31,190	37,921	30,509	39,081	28,727	GRI 303-3	EM-CM-140a.1
• Freshwater TDS ≤ 1,000 mg/l	36,870	31,189	37,920	30,509	38,979	28,727		
• Other water TDS > 1,000 mg/l	0	1	1	0	102	0		
Total Water Withdrawal (megaliter) <sup>(3)</sup>	130,020	120,069	122,169	119,325	130,094	69,881	GRI 303-3	
Water Withdrawal Reduction compare with business as usual at base year (megaliter)			(10,070)	(6,040)	(5,368)	-		
(%)			-8.98	-5.33	-4.30	-		
Recycled Water (megaliter) <sup>(3)</sup>	17,030	18,500	18,486	17,990	20,674	-		EM-CM-140a.1
(%)	11.9	13.35	13.14	13.10	13.71	-		
<b>Water Discharge</b>								
Water Discharge by destination <sup>(3)</sup>								
• Surface water (megaliter)	48,240	66,270	64,082	64,894	65,743	27,436	GRI 303-3	
• Groundwater (megaliter)	1	0	0	30	0	0	GRI 303-3	
• Seawater (megaliter)	0	150	120	117	2,699	46		
• Third-party water (total) (megaliter)	4,150	3,205	2,095	842	560	157		
---Third-party water sent for use to other organizations (megaliter)	3,810	2,907	1,672	487	170	0	GRI 303-3	
Water Discharge by freshwater and other water <sup>(3)</sup>								
• Freshwater TDS ≤ 1,000 mg/l (megaliter)	7,840	18,580	23,234	20,465	25,910	16,163	GRI 303-3	
• Other water TDS > 1,000 mg/l (megaliter)	44,560	51,038	43,063	45,418	43,092	11,477		
Total Water Discharge (megaliter) <sup>(3)</sup>	52,400	69,618	66,297	65,883	69,002	27,639	GRI 303-3	
BOD (tons) <sup>(3)</sup>	211	765	570	455	608	-	GRI 306-1	
COD (tons) <sup>(3)</sup>	4,411	6,445	6,031	5,939	6,267	-	GRI 306-1	
TSS (tons) <sup>(3)</sup>	490	1,105	830	742	885	-	GRI 306-1	

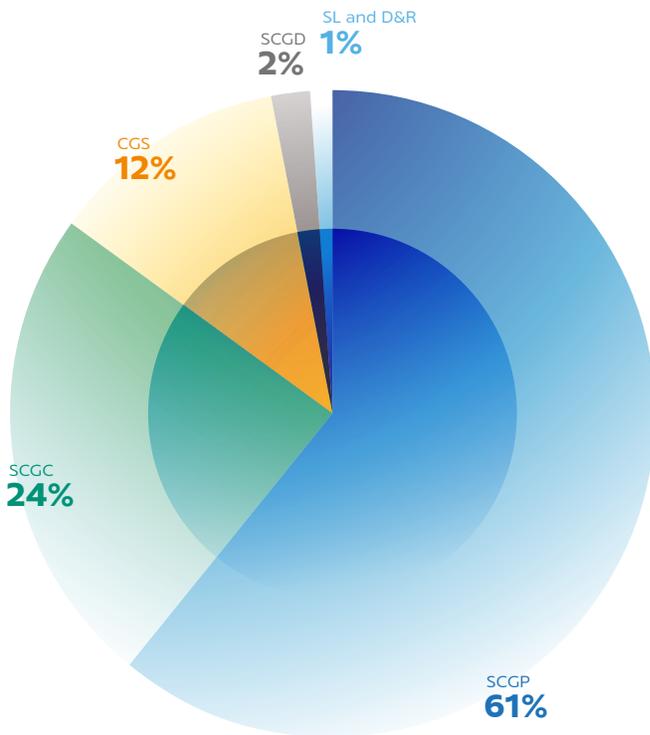
<sup>(1)</sup> 1<sup>st</sup> year to incorporate performance from abroad operations

<sup>(2)</sup> Using the Latest Version of the Aqueduct 4.0 Water Risk Assessment Framework

<sup>(3)</sup> Within SGS's limited assurance scope

Water Withdrawal

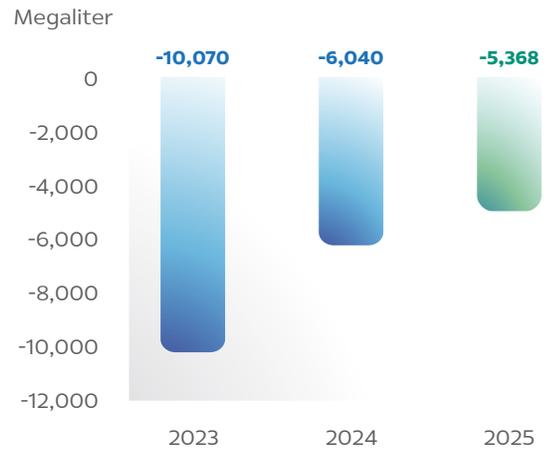
**130,094** Megaliter



**Water Withdrawal**



**Water Withdrawal Reduction Compared with BAU at the base years of 2022**



## Waste Management

In 2025, waste management remained effectively controlled. Although total waste increased slightly with higher production, the proportion of waste properly utilized and responsibly disposed of remained high and stable.

Performance Data	2021 <sup>(1)</sup>		2022		2023		2024		2025		GRI Standards	SASB
Total Weight of Waste Generated (Tons) <sup>(1)</sup>	1,256,120	1,745,807			1,642,500			1,552,106		1,627,444	GRI 306-3 (2020)	EM-CM-150a.1
Total Weight of Hazardous Waste Generated (Tons) <sup>(1)</sup>	13,970	64,908			107,335			87,984		59,612	GRI 306-3 (2020)	EM-CM-150a.1
Total Weight of Non-Hazardous Waste Generated (Tons) <sup>(1)</sup>	1,242,150	1,680,899			1,535,165			1,464,123		1,567,832	GRI 306-3 (2020)	EM-CM-150a.1
			Onsite	Offsite	Onsite	Offsite	Onsite	Offsite	Onsite	Offsite		
Total Weight of Waste diverted from disposal (Tons) <sup>(1)</sup>	706,771	1,191,216	613,716	528,142	609,233	559,821	546,969	496,586			GRI 306-4 (2020)	EM-CM-150a.1
Total Weight of Hazardous Waste diverted from disposal (Tons) <sup>(1)</sup>	4,439	39,034	40,782	51,025	4,055	55,390	1,610	43,810				
• Reuse	34	305	0	408	687	20,531	0	20,733				
• Recycled	3,663	37,873	40,782	47,779	3,368	32,014	1,610	21,234				
• Other recovery operations	742	857	0	2,838	0	2,845	0	1,843				
Total Weight of Non-Hazardous Waste diverted from disposal (Tons) <sup>(1)</sup>	702,333	1,152,182	572,934	477,117	605,178	504,431	563,359	453,046				
• Reuse	6,397	19,040	338	12,948	14,547	41,090	25,579	12,065				
• Recycled	695,813	1,133,095	572,055	463,444	590,177	462,860	537,780	440,003				
• Other recovery operations	122	47	541	725	454	481	0	978				
Total Weight of Waste directed to disposal (Tons) <sup>(1)</sup>	549,349	554,591	269,171	231,472	198,701	184,351	539,390	483,813			GRI 306-5 (2020)	EM-CM-150a.1

<sup>(1)</sup> 1<sup>st</sup> year to incorporate performance from abroad operations

<sup>(2)</sup> Within SGS's limited assurance scope

Performance Data	2021 <sup>(1)</sup> 2022 2023 2024 2025								GRI Standards	SASB
	2021 <sup>(1)</sup>	2022	2023	2024	2025	2025	2025			
Total Weight of Hazardous Waste directed to disposal (Tons) <sup>(1)</sup>	9,532	25,874	3,162	12,367	4,331	24,207	1,928	12,263		
• Incineration (with energy recovery)	9,498	16,272	2,968	4,779	4,161	13,193	1,798	7,094		
• Incineration (without energy recovery)	31	560	192	235	168	3,570	130	1,418		
• Other disposal operations	3	257	0	143	0	478	0	181		
• Landfilling	0	8,785	2	7,210	2	6,966	0	3,570		
Total Weight of Non-Hazardous Waste directed to disposal (Tons) <sup>(1)</sup>	539,817	528,717	266,009	219,105	194,370	160,144	362,367	189,059		
• Incineration (with energy recovery)	539,351	444,394	264,270	111,297	191,094	95,604	360,528	144,504		
• Incineration (without energy recovery)	333	35,756	0	32,383	2,858	30,477	0	15,427		
• Other disposal operations	0	1,137	171	487	279	575	252	1,086		
• Landfilling	133	47,430	1,569	74,938	139	33,487	1,587	28,043		

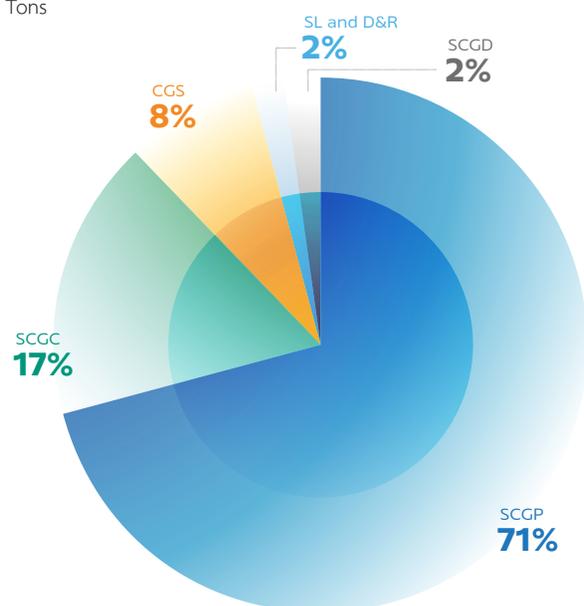
<sup>(1)</sup> 1<sup>st</sup> year to incorporate performance from abroad operations

<sup>(2)</sup> Within SGS's limited assurance scope

### Hazardous Waste Management

**59,612**

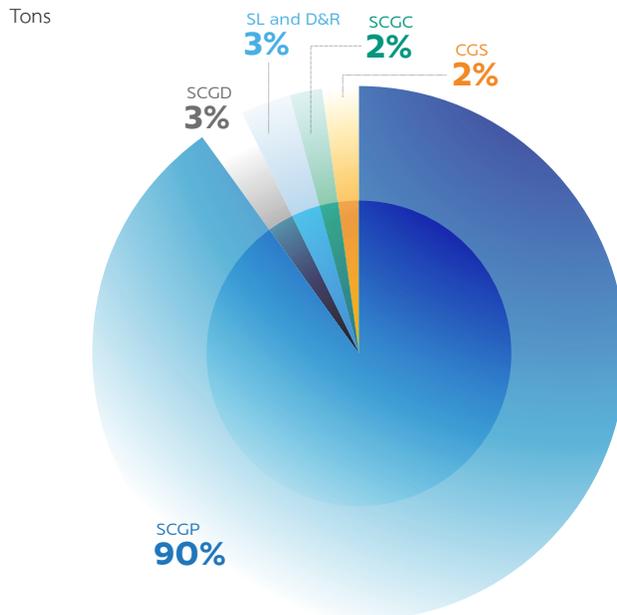
Tons



### Non - Hazardous Waste Management

**1,567,832**

Tons

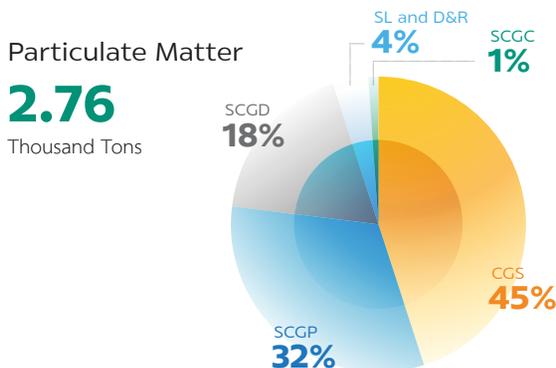
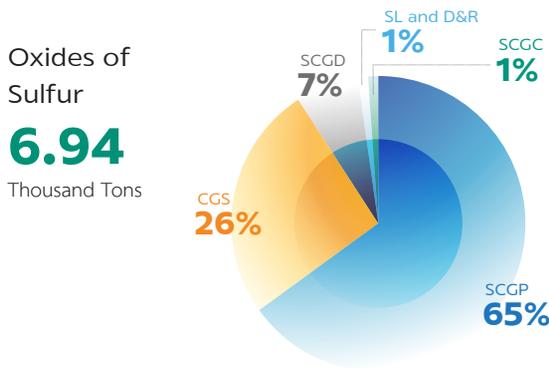
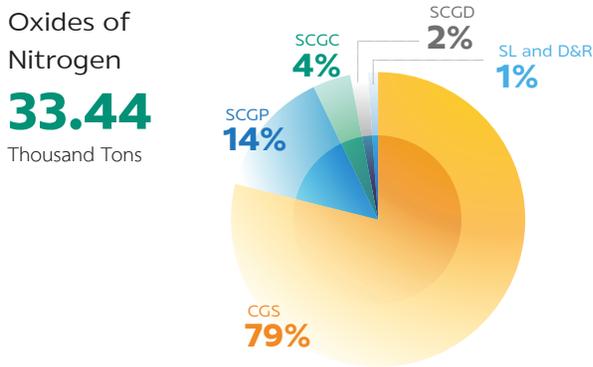


**Air Emissions**

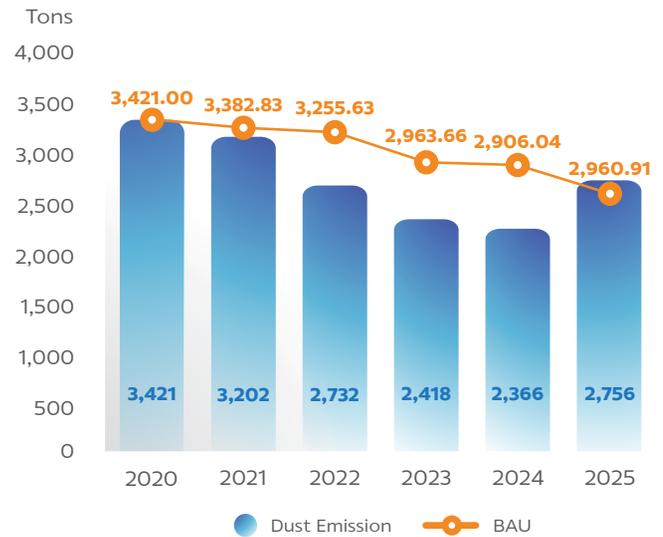
In 2025, monitoring and measurement were strengthened to elevate emission control alongside enhanced transparency in continuous data disclosure.

Performance Data	2021	2022	2023	2024	2025	GRI Standards	SASB
Oxides of Nitrogen (Thousand Tons) <sup>(1)</sup>	34.50	39.92	33.51	28.64	33.44	GRI 305-7	EM-CM-120a.1
Oxides of Sulfur (Thousand Tons) <sup>(1)</sup>	3.13	5.71	5.80	4.24	6.94	GRI 305-7	EM-CM-120a.1
Particulate Matter (Thousand Tons) <sup>(1)</sup>	3.20	2.73	2.45	2.37	2.76	GRI 305-7	EM-CM-120a.1
Mercury (Thousand Tons) <sup>(1)</sup>	29.51	10.24	11.34	19.36	16.80	GRI 305-7	EM-CM-120a.1

<sup>(1)</sup> Within SGS's limited assurance scope



**Dust Emission**



**Dust Emission Reduction compared with BAU at the base year of 2020**



## Biodiversity/Environmental Expenditures and Benefits/Violations of Legal Obligations and Regulations

Environment investment in 2025 are mainly contributed from the installation of cleaner energy such as solar system on rooftop, on ground, and floating.

Performance Data (Only Thailand Operations)	2021	2022	2023	2024	2025	GRI Standards	SASB
Quarries with Biodiversity Management Plan in place (Number of Sites)	4	4	4	4	4		EM-CM-160a.2
(%)	100	100	100	100	100		
Operating Expenses – Environmental (Million Baht)	2,657	3,176	2,913	1,741	1,505		
Capital Investment – Environmental (Million Baht) <sup>(1)</sup>	1,643	2,116	1,015	5,288	5,600		
Total Expenses – Environmental (Capital Investment + Operating Expenses) (Million Baht)	4,300	5,291	3,928	7,029	7,105	GRI 305-7	EM-CM-120a.1
Savings, cost avoidance and tax incentives linked to environment investment (Million Baht) <sup>(2)</sup>	34,084	76,429	72,177	65,395	58,693		

<sup>(1)</sup> Incorporate investment from abroad operation

<sup>(2)</sup> Savings, cost avoidance and tax incentives linked to environments include revenue from sales of SCG Green Choices, which directly provide value to customers.

Performance Data	2021	2022	2023	2024	2025	GRI Standards	SASB
Total costs from water-related incidents (Million Baht)	0	0	0	0	0		
Number of violations of legal environmental obligations/regulations (Number of Cases) (over USD 10,000)	0	0	0	0	0	GRI 307-1	