

Economic Performance						
GRI Standard	Data	Unit	2020	2021	2022	2023
201-1 (2016)	Direct economic value generated and distributed					
	Revenues	Million Baht	174,463	255,115	324,800	319,047
	Operating costs	Million Baht	174,491	228,989	314,892	315,499
	Operating profit (loss)	Million Baht	-6,115	17,914	-3,912	-1,861
	Employee wages and benefits	Million Baht	9,088	9,285	8,417	8,003
	Payments to providers of capital	Million Baht	3,943	4,600	3,760	2,077
	Payments to government	Million Baht	20,727	19,778	5,705	19,230
	Dividend payments for the performance of the year	Million Baht	2,041	2,857	3,674	612
	Community investments	Million Baht	93	254	64	114
	Economic value retained	Million Baht	-35,921	-10,648	-11,712	-26,487
201-4 (2016)	Financial assistance received from government					
	Tax Incentive	Million Baht	43	889	0	0
-	Environmental investment					
	Environmental investment	Million Baht	435	537	595	1,143
	Capital investments	Million Baht				502
	Operating expenses	Million Baht	435	537	595	641
	Waste disposal, emission treatment, and remediation costs	Million Baht	409	502	565	611
	Prevention and environmental management costs	Million Baht	26	35	31	29
-	Production					
	Annual Production Volume	Tonnes	11,886,924	11,997,252	11,070,332	11,410,186

Procurement Practice						
GRI Standard	Data	Unit	2020	2021	2022	2023
204-1 (2016)	Proportion of spending on local suppliers					

Total spending	Million Baht	122,072	205,834	266,678	241,013
Raw material: Crude oil spending	Million Baht	93,534	156,198	222,486	189,482
Raw material: Other feedstock spending	Million Baht	17,898	24,831	30,178	39,468
Services spending	Million Baht	4,893	17,927	5,912	7,207
Product: Chemical and packaging spending	Million Baht	4,135	4,814	5,184	3,327
Product: Spare parts and equipment spending	Million Baht	1,612	2,064	2,918	1,529
Spending on purchasing of products and services from suppliers and contractors in Rayong province	Million Baht	1,882	2,856	3,052	3,001
Proportion of spending on local suppliers in Rayong province	%	17.69	11.51	21.78	24.88
Spending on purchasing of products and services from suppliers and contractors in Thailand	Million Baht	7,642	13,569	10,688	8,865
Proportion of spending on local suppliers in Thailand	%	71.82	54.70	76.27	73.49

Corporate Governance						
GRI Standard	Data	Unit	2020	2021	2022	2023
2-9 (2021)	Governance structure and composition					
	Total number of board members	Person	14	14	15	15
	Number of executive director	Person	1	1	1	1
	Number of non-executive directors (excl. independent directors)	Person	5	5	6	7
	Number of independent directors	Person	8	8	8	7
	Average board meeting attendance	% of meetings of board of directors	99.52	99.47	99.40	100.00
	Number of non-executive/independent directors with 4 or less other mandates	Person	13	13	14	14
	Average tenure of board members in years	Year	3	3	3	3
2-21 (2021)	Annual total compensation ratio					
	Median annual compensation of all employees, except the CEO	Baht	1,170,690	1,156,338	1,585,298	1,242,282
	Mean annual compensation of all employees, except the CEO	Baht	1,366,733	1,273,372	1,882,039	1,343,906
	Ratio of the total annual compensation of the CEO and the median employee compensation	Ratio	11.08	10.50	7.12	10.72
	Ratio of the total annual compensation of the CEO and the mean employee compensation	Ratio	9.49	9.53	5.99	9.91
	Total compensation of CEO	Baht	11,215,592	16,427,919	19,826,122	13,312,803
	Salary of CEO	Baht	7,695,360	7,320,180	11,287,321	8,941,920
	Bonus of CEO	Baht	2,404,800	8,009,712	7,288,831	3,029,595
	Provident Fund of CEO	Baht	1,115,432	1,098,027	1,249,970	1,341,288
	Total compensation of Executive Level exclude CEO (Level 17-18)	Baht	39,530,227	39,495,619	40,777,623	39,163,720

Salary of Executive Level	Baht	26,244,480	24,345,550	24,824,996	27,885,564
Bonus of Executive Level	Baht	10,345,163	12,508,771	13,374,076	7,475,442
Provident Fund of Executive Level	Baht	2,940,584	2,641,298	2,578,551	3,802,714
Total compensation of Management Level (Level 9-16)	Baht	2,526,070,298	2,399,552,116	2,326,331,537	2,066,175,968
Salary of Management Level	Baht	1,733,748,826	1,599,789,483	2,044,049,390	1,467,975,118
Bonus of Management Level	Baht	605,571,823	642,970,713	122,528,676	434,285,352
Provident Fund of Management Level	Baht	186,749,649	156,791,920	159,753,471	163,915,498
Total compensation of Non-Management Level (Level 2-8)	Baht	5,124,376,135	4,896,769,157	4,452,690,456	3,930,140,292
Salary of Non-Management Level	Baht	3,568,476,380	3,338,490,599	3,860,291,945	2,812,579,665
Bonus of Non-Management Level	Baht	1,249,556,894	1,301,652,229	349,878,379	880,069,712
Provident Fund of Non-Management Level	Baht	306,342,861	256,626,329	242,520,132	237,490,915

Compliance									
GRI Standard	Data	2020		2021		2022		2023	
		Person	%	Person	%	Person	%	Person	%
205-2 (2016)	Communication and training about anti-corruption policies and procedures								
	Total number and percentage of governance body members that the organization's anti corruption policies and procedures have been communicated to	14	100	14	100	15	100	15	100
	Total number and percentage of employees that the organization's anti-corruption policies and procedures have been communicated to	5,149	100	4,526	100	4,449	100	4,378	100
	Total number and percentage of business partners that the organization's anticorruption policies and procedures have been communicated to	10	7	103	18	264	39	34	9
	Total number and percentage of governance body members that have received training on anti-corruption	14	100	14	100	15	100	15	100

Total number and percentage of employees that have received training on anti corruption	129	93	446	76	357	53	343	91
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Compliance 2							
GRI Standard	Data	Unit	2020	2021	2022	2023	
-	Reporting on breaches						
	Total number of breaches reporting	Case	21	26	9	12	
	Total number of case ongoing investigation in the reporting year	Case	21	26	9	12	
	Total number of confirmed cases	Case	21	26	9	12	
	Anti-competitive behavior/Anti-trust	Case	15	7	1	2	
	Corruption or bribery	Case	0	0	1	0	
	Money laundering or insider trading	Case	0	0	0	0	
	Conflict of interest	Case	0	0	1	1	
	Corporate compliance	Case	0	0	0	0	
	Privacy	Case	0	0	0	0	
	Discrimination	Case	0	0	3	1	
	Sexual harassment	Case	0	0	0	0	
	Non-sexual harassment	Case	6	18	2	8	
	Embezzlement	Case	0	1	1	0	
	Total number of action taken against the substantiated cases	Case	0	1	1	0	
	Verbal warning	Case	0	0	0	0	
	Written warning	Case	0	0	0	0	
	Dismissal	Case	0	1	1	0	
	Others	Case	0	0	0	0	

Supply Chain :							
GRI Standard	Data	Unit	2020	2021	2022	2023	

102-9 (2016) Type of suppliers						
	Total tier-1 suppliers	Number	1,835	1,789	1,844	1,814
	Significant tier 1 suppliers	Number	64	65	63	57
	Significant non-tier 1 suppliers	Number	0	0	0	0
	Total tier-1 suppliers undergone preliminary ESG risk assessment	%	100	100	100	100
	Significant non-tier 1 suppliers undergone preliminary ESG risk assessment	%	0	100	100	0
	Number of suppliers with SCOC signed	Number	156	156	156	156
102-9 (2016) Supplier Risk						
	Tier 1 suppliers with high sustainability risk	Number	13	13	13	13
	Percentage of Tier 1 suppliers with high sustainability risk	%	3	4	3	2
	Significant non-tier 1 suppliers with high sustainability risk	Number	0	0	0	0
	Percentage of Significant non-tier 1 suppliers with high sustainability risk	%	0	0	0	0
102-9 (2016) In-depth supplier risks assessment						
	Percentage of total tier 1 suppliers with high sustainability risk undergone in-depth risk assessment annually	%	100	100	100	100
	Percentage of significant tier 1 and significant non-tier 1 undergone in-depth risk assessment annually	%	0	0	0	0
	Percentage of supplier audited with corrective action plan	%	100	100	100	100
	Number of suppliers with ESG training	Number	2	6	8	15
308-1 (2016) Supplier Environmental Assessment						

	Percentage of new suppliers that were screened using environmental criteria	%	100	100	100	100
414-1 (2016)	Supplier Social Assessment					
	Percentage of new suppliers that were screened using social criteria (labor practices, human right, impacts on society)	%	100	100	100	100
-	Supplier satisfaction					
	Supplier satisfaction	%	93	93	94	95
	Data coverage	% of key suppliers	100	100	100	100
	Supplier satisfaction target at fiscal year	%	85	85	90	90

Customer Relationship Management :						
GRI Standard	Data	Unit	2020	2021	2022	2023
-	Customer satisfaction					
	Customer satisfaction	%	93	94	91	94
	Data coverage	% of clients	100	100	100	100
	Customer satisfaction target at fiscal year	%	90	90	90	90

Local Communities						
GRI Standard	Data	Unit	2020	2021	2022	2023
413-1 (2016)	Operations with local community engagement, impact assessments, and development programs					
	Percentage of operations with implemented local community engagement, impact assessments, and/or development programs	%	100.00	100.00	100.00	100.00
	Community satisfaction	%	97.45	98.63	99.13	81.55
	Community satisfaction target at fiscal year	%	92.00	93.00	95.00	78.00

	Coverage of publicity available social data	% of business operations	100.00	100.00	100.00	100.00
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Creating Social Value						
GRI Standard	Data	Unit	2020	2021	2022	2023
-	Philanthropic Contributions					
	Employee volunteering time during paid working hours	Hour, Baht	18,580	18,580	5,200	5,236
	Product or service donation or project partnership or similars	Baht	0	0	0	0
	Management overhead	Baht	6,564,684	50,375,329	46,904,615	45,380,889
-	Positive impact creation					
	Number of prosthetics legs produced and delivered	Legs	3,298	3,619	3,323	3,617
	Number of monetary value created from collaboration project	Baht				
	Number of people accessed public health service, mobile medical unit and "Pannamjai" clinic	Person, Baht	4,019	4,000	2,500	2,790
	Number of people accessed the opportunities for education and skill development (including scholarship, elderly skill training, disabilities skill training)	Person, Baht	795	408	645	786

Public Policy									
GRI Standard	Data	2020		2021		2022		2023	
		Baht	%	Baht	%	Baht	%	Baht	%

415-1 (2016) Contribution and other spending									
Data coverage			100.00		100.00		100.00		100.00
Total contribution	19,465,171			14,731,562		14,386,297		13,697,650	
Lobbying, interest representation or similar	0	0.00		0	0.00	0	0.00	0	0.00
Local, regional or national political campaigns / organizations / candidates	0	0.00		0	0.00	0	0.00	0	0.00
Trade associations or tax - exempt groups (e.g. think tanks)	19,465,171	100.00		14,731,562	100.00	14,386,297	100.00	13,697,650	100.00
Other (e.g. spending related to ballot measures or referendums)	0	0.00		0	0.00	0	0.00	0	0.00

Material Consumption :						
GRI Standard	Data	Unit	2020	2021	2022	2023
301-1 (2016)	Materials used by weight or volume					
	Total material used	Barrel	94,141,023	94,593,882	85,314,370	90,556,417
	Non-renewable material	Barrel	93,222,294	93,845,216	84,395,641	89,833,843
	Renewable material	Barrel	918,729	748,666	918,729	722,574

Energy Consumption :						
GRI Standard	Data	Unit	2020	2021	2022	2023
302-1 (2016)	Energy consumption within the organization					
	Total energy consumption within the organization	MWh	17,528,853	18,439,638	15,790,213	18,880,864
	Total non-renewable energy consumption	MWh	17,522,629	18,420,156	15,773,231	18,862,435
	Total direct non-renewable energy consumption	MWh	17,599,450	18,479,478	15,717,552	18,071,839
	Fuel Oil	MWh	679,437	685,571	530,273	338,636
	Natural Gas	MWh	6,339,442	6,159,661	6,070,676	5,572,694
	LPG	MWh	255,449	270,995	247,217	235,660
	Diesel	MWh	67,857	73,804	60,461	10,991
	Gasoline	MWh	5	4	6	6
	Fuel Gas	MWh	5,166,468	5,260,171	4,752,743	3,677,411
	Coke	MWh	1,574,925	1,736,543	1,417,036	1,633,216
	H2	MWh	72,700	53,324	41,937	26,761
	H2S	MWh	0	0	0	0
	Purge Gas	MWh	206,111	369,594	226,590	195,037
	Recycle monomer	MWh	9,137	9,284	7,990	7,765
	Coal	MWh	1,672,992	2,096,283	912,387	1,285,789
	Electricity	MWh	1,554,930	1,764,244	1,450,237	1,438,953
	Steam	MWh				3,648,920

Total indirect non-renewable energy consumption (purchased for consumption)	MWh	1,332,818	1,311,548	1,329,741	1,469,648
Electricity consumption	MWh	451,275	419,952	492,255	622,920
Heating consumption	MWh	0	0	0	0
Cooling consumption	MWh	0	0	0	0
Steam consumption	MWh	881,543	891,597	837,486	846,728
Total non-renewable energy sold	MWh	1,409,639	1,370,870	1,274,062	679,052
Electricity sold	MWh	652,635	658,911	591,567	34,423
Steam sold	MWh	757,004	711,959	682,495	644,630
Heating sold	MWh	0	0	0	
Cooling sold	MWh	0	0	0	
Total renewable energy purchased or generated (wind, solar, biomass, hydroelectric, geothermal, etc.)	MWh	6,224	19,482	16,982	18,429
Total cost of energy consumption	Million Baht	5	4	18	20
Percentage of data coverage	% of production volume	100	100	100	100
Total non-renewable energy consumption target at fiscal year	MWh		17,363,442	18,369,662	
302-2 (2016)	Energy consumption outside of the organization				
Total energy consumption outside of the organization	MWh				
302-3 (2016)	Energy intensity				
Total energy intensity	MWh / Tonnes of production	1.47	1.54	1.42	1.55
302-4 (2016)	Reduction of energy consumption				

	Amount of reductions in energy consumption achieved as a direct result of conservation and efficiency initiatives	MWh		139,114	50,286	268,084
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Water Effluent :						
GRI Standard	Data	Unit	2020	2021	2022	2023
303-3 (2018)	Water withdrawal					
	Total water withdrawal from all areas	Megaliters	43,338.00	43,944.00	34,009.00	34,312.00
	Fresh water ($\leq 1,000$ mg/L Total Dissolved Solids)	Megaliters	30,041.00	30,835.00	28,088.00	25,585.00
	Surface water	Megaliters	30,041.00	30,834.00	28,087.00	25,584.00
	Groundwater	Megaliters	0.00	1.00	1.00	1.00
	Seawater	Megaliters	0.00	0.00	0.00	0.00
	Produced water	Megaliters	0.00	0.00	0.00	0.00
	Third-party water	Megaliters	0.00	0.00	0.00	0.00
	Other water ($> 1,000$ mg/L Total Dissolved Solids)	Megaliters	13,297.00	13,109.00	5,921.00	8,727.00
	Surface water	Megaliters				
	Groundwater	Megaliters				
	Seawater	Megaliters	13,297.00	13,109.00	5,921.00	8,727.00
	Produced water	Megaliters				
	Third-party water	Megaliters				
	Total water withdrawal from all areas with water stress	Megaliters				
	Fresh water ($\leq 1,000$ mg/L Total Dissolved Solids)	Megaliters				
	Surface water	Megaliters				
	Groundwater	Megaliters				
	Seawater	Megaliters				
	Produced water	Megaliters				

	Third-party water	Megaliters				
	Other water (>1,000 mg/L Total Dissolved Solids)	Megaliters				
	Surface water	Megaliters				
	Groundwater	Megaliters				
	Seawater	Megaliters				
	Produced water	Megaliters				
	Third-party water	Megaliters				
	Water reused	Megaliters				
	Water recycled	Megaliters				
303-4 (2018)	Water discharge					
	Total water discharge to all areas	Megaliters	25,830.00	25,662.00	18,326.00	21,233.00
	Fresh water (\leq 1,000 mg/L Total Dissolved Solids)	Megaliters	10,204.00	9,969.00	10,218.00	10,511.00
	Surface water	Megaliters	1,725.00	1,710.00	1,767.00	1,876.00
	Groundwater	Megaliters				
	Seawater	Megaliters				
	Third-party water	Megaliters	8,479.00	8,259.00	8,451.00	8,635.00
	Other water (>1,000 mg/L Total Dissolved Solids)	Megaliters	15,626.00	15,693.00	8,108.00	10,722.00
	Surface water	Megaliters	2,329.00	2,584.00	2,187.00	1,995.00
	Groundwater	Megaliters				
	Seawater	Megaliters	13,297.00	13,109.00	5,921.00	8,727.00
	Third-party water	Megaliters				
	Total water discharge to all areas with water stress	Megaliters				
	Fresh water (\leq 1,000 mg/L Total Dissolved Solids)	Megaliters				
	Other water (>1,000 mg/L Total Dissolved Solids)	Megaliters				
303-5 (2018)	Water consumption					

Total water consumption from all areas	Megaliters	18,688.00	20,952.00	18,667.00	18,528.00
Total water consumption from all areas with water stress	Megaliters				
Total net fresh water consumption	Million M3	16,744.00	17,726.00	22,167.00	16,858.00
Withdrawal: Total municipal water supplies (or from other water utilities)	Million M3				
Withdrawal: Fresh surface water	Million M3	30,041.00	30,834.00	28,087.00	25,584.00
Withdrawal: Fresh ground water	Million M3	0.00	1.00	1.00	1.00
Discharge: Water returned to the source of extraction at similar or higher quality as raw water extracted	Million M3	13,297.00	13,109.00	5,921.00	8,727.00
Percentage of data coverage	%	100.00	100.00	100.00	100.00
Target of total net fresh water consumption at fiscal year	Million M3	0.00	0.00	0.00	0.00
Target of total net fresh water consumption in water-stressed areas at fiscal year	Million M3	0.00	0.00	0.00	0.00

Emission :						
GRI Standard	Data	Unit	2020	2021	2022	2023
305-1 (2016)	Direct (Scope 1) GHG emissions					
	Total direct GHGs emission (scope 1)	Million tCO2e	3.82	4.05	3.33	3.13
	CO2	tCO2e	3,813,287.74	4,040,552.68	3,319,233.11	3,126,031.47
	CH4	tCO2e	3,456.80	3,622.20	3,196.73	2,904.89
	N2O	tCO2e	4,068.59	4,700.87	2,805.84	3,045.71

	HFC	tCO2e				
	SF6	tCO2e				
	Biogenic CO2	tCO2e				
	Percentage of data coverage	% of production volume	100	100	100	100
	Target of total direct GHGs emission (scope 1) at fiscal year	Million tCO2e				
305-2 (2016)	Energy indirect (Scope 2) GHG emissions					
	Total indirect GHGs emission from energy purchased and consumes (scope 2)	Million tCO2e	0.36	0.35	0.37	0.48
	Market-based energy indirect (scope 2) GHG emission	Million tCO2e	0.36	0.35	0.37	0.48
	Market-based energy indirect (scope 2) GHG emission target at fiscal year	Million tCO2e				
	Location-based energy indirect (scope 2) GHG emission	Million tCO2e	0.36	0.35	0.37	0.42
	Location-based energy indirect (scope 2) GHG emission target at fiscal year	Million tCO2e				
	Percentage of data coverage	% of production volume	100	100	100	100
	Target of indirect GHGs emission from energy purchased and consumes (scope 2) at fiscal year	Million tCO2e				
305-3 (2016)	Other indirect (Scope 3) GHG emissions					
	Total other indirect (Scope 3) GHG emissions	Million tCO2e	10.84	12.83	14.41	13.51

	Use of sold products	Million tCO2e	9.06	10.67	12.51	11.54
	Purchased of goods & service	Million tCO2e	0.53	0.80	0.74	0.37
	Other	Million tCO2e	1.25	1.36	1.16	1.61
	Target of other indirect (Scope 3) GHG emissions at fiscal year	Million tCO2e				
	Total biogenic CO2 emission (scope 3)	Million tCO2e				
305-4 (2016)	GHG emissions intensity					
	GHG emissions intensity (scope 1 & 2)	tCO2e/Tonnes of production	0.35	0.37	0.33	0.32
305-5 (2016)	Reduction of GHG emissions					
	Total annual GHG emissions reduction	Million tCO2e				
	Target of annual GHG emissions reduction at fiscal year	Million tCO2e				
305-7 (2016)	NOx, SOx, and other significant air emissions					
	Total Nitrogen oxides (NOx)	Tonnes	1,481.58	1,465.93	977.97	1,285.48
	Percentage of data coverage	%	100	100	100	100
	NOx target at fiscal year	Tonnes	1,623.00	1,564.00	1,564.00	1,830.00
	NOx Intensity	Tonnes/Thousand Tonnes of production	0.12	0.12	0.09	0.11
	Total Sulfur oxides (SOx)	Tonnes	1,340.45	1,016.15	1,328.76	1,297.01
	Percentage of data coverage	%	100	100	100	100
	SOx target at fiscal year	Tonnes	1,959.00	1,718.00	1,718.00	2,270.00

SOx Intensity	Tonnes/Thousand Tonnes of production	0.11	0.08	0.12	0.11
Total Suspended Particulate (TSP)	Tonnes	258.31	290.77	210.04	286.69
TSP Intensity	Tonnes/Thousand Tonnes of production	0.02	0.02	0.02	0.03
Total Volatile organic compounds (VOC)	Tonnes	1,790.58	1,696.25	1,862.04	1,768.71
VOCs Intensity	Tonnes/Thousand Tonnes of production	0.15	0.14	0.17	0.16

Waste						
GRI Standard	Data	Unit	2020	2021	2022	2023
306-3 (2020)	Routine waste generated					
	Total waste generated	Tonnes	41,855	59,939	46,815	32,950
	Total hazardous waste generated	Tonnes	7,663	9,589	18,809	12,039
	Data coverage	%	100	100	100	100
	Target of hazardous waste disposal at fiscal year	Tonnes				
	Total non-hazardous waste generated	Tonnes	34,192	50,350	28,006	20,911
	Data coverage	%	100	100	100	100
	Target of non-hazardous waste disposal at fiscal year	Tonnes				
306-4 (2020)	Non-routine waste generated					

	Total waste generated	Tonnes	135	22	0	0
	Total hazardous waste generated	Tonnes	135	22	0	0
	Total non-hazardous waste generated	Tonnes	0	0	0	0
306-4 (2020)	Significant spills					
	Oil and chemical spills	Case	0	0	0	0
	Oil and chemical spills	M3	0.00	0.00	0.00	0.00
306-4 (2020)	Routine waste diverted from disposal					
	Total weight of waste diverted from disposal in	Tonnes	36,605	49,307	36,599	26,230
	Total Hazardous Waste diverted from disposal	Tonnes	5,788	7,478	11,150	7,698
	Preparation for reuse	Tonnes	13	5	6	6
	Onsite	Tonnes	0	0	0	0
	Offsite	Tonnes	13	5	6	6
	Recycling	Tonnes	162	771	2,027	2,262
	Onsite	Tonnes	0	0	0	0
	Offsite	Tonnes	162	771	2,027	2,262
	Other recovery operations	Tonnes	5,613	6,702	9,117	5,430
	Onsite	Tonnes	0	0	0	0
	Offsite	Tonnes	5,613	6,702	9,117	5,430
	Total Non-Hazardous waste diverted from disposal	Tonnes	30,817	41,829	25,449	18,532
	Preparation for reuse	Tonnes	0	0	0	0
	Onsite	Tonnes	0	0	0	0
	Offsite	Tonnes	0	0	0	0
	Recycling	Tonnes	29,434	40,218	22,651	18,009
	Onsite	Tonnes	0	0	0	0
	Offsite	Tonnes	29,434	40,218	22,651	18,009
	Other recovery operations	Tonnes	1,383	1,611	2,798	523
	Onsite	Tonnes	0	0	0	0
	Offsite	Tonnes	1,383	1,611	2,798	523

306-5 (2020)		Non-routine waste diverted from disposal				
Total weight of waste diverted from disposal in	Tonnes	135	22	0	0	
Total Hazardous Waste diverted from disposal	Tonnes	135	22	0	0	
Preparation for reuse	Tonnes	0	0	0	0	
Onsite	Tonnes	0	0	0	0	
Offsite	Tonnes	0	0	0	0	
Recycling	Tonnes	0	22	0	0	
Onsite	Tonnes	0	0	0	0	
Offsite	Tonnes	0	22	0	0	
Other recovery operations	Tonnes	135	0	0	0	
Onsite	Tonnes	0	0	0	0	
Offsite	Tonnes	135	0	0	0	
Total Non-Hazardous waste diverted from disposal	Tonnes	0	0	0	0	
Preparation for reuse	Tonnes	0	0	0	0	
Onsite	Tonnes	0	0	0	0	
Offsite	Tonnes	0	0	0	0	
Recycling	Tonnes	0	0	0	0	
Onsite	Tonnes	0	0	0	0	
Offsite	Tonnes	0	0	0	0	
Other recovery operations	Tonnes	0	0	0	0	
Onsite	Tonnes	0	0	0	0	
Offsite	Tonnes	0	0	0	0	
306-3 (2020)		Routine waste directed to disposal				
Total weight of waste directed to disposal	Tonnes	5,250	10,632	10,216	6,720	
Total hazardous waste directed to disposal	Tonnes	1,875	2,111	7,659	4,341	
Incineration (with energy recovery)	Tonnes	293	491	2,053	876	
Onsite	Tonnes	0	0	0	0	

Offsite	Tonnes	293	491	2,053	876
Incineration (without energy recovery)	Tonnes	1,582	1,620	3,395	2,218
Onsite	Tonnes	0	0	0	0
Offsite	Tonnes	1,582	1,620	3,395	2,218
Landfilling	Tonnes	0	0	0	0
Onsite	Tonnes	0	0	0	0
Offsite	Tonnes	0	0	0	0
Other disposal operations	Tonnes			2,211	1,247
Onsite	Tonnes	0	0	0	0
Offsite	Tonnes			2,211	1,247
Total non-hazardous waste directed to disposal	Tonnes	3,375	8,521	2,557	2,379
Incineration (with energy recovery)	Tonnes	2,649	1,850	1,776	1,699
Onsite	Tonnes				
Offsite	Tonnes	2,649	1,850	1,776	1,699
Incineration (without energy recovery)	Tonnes	6		0	
Onsite	Tonnes	0	0	0	0
Offsite	Tonnes	6		0	
Landfilling	Tonnes	720	673	781	680
Onsite	Tonnes				
Offsite	Tonnes	720	673	781	680
Other disposal operations	Tonnes		5,998		
Onsite	Tonnes				
Offsite	Tonnes		5,998		
Municipal waste	Tonnes				
306-5 (2020)	Non-routine waste directed to disposal				
Total weight of waste directed to disposal	Tonnes	0	0	0	0
Total hazardous waste directed to disposal	Tonnes	0	0	0	0

Incineration (with energy recovery)	Tonnes	0	0	0	0
Onsite	Tonnes	0	0	0	0
Offsite	Tonnes	0	0	0	0
Incineration (without energy recovery)	Tonnes	0	0	0	0
Onsite	Tonnes	0	0	0	0
Offsite	Tonnes	0	0	0	0
Landfilling	Tonnes	0	0	0	0
Onsite	Tonnes	0	0	0	0
Offsite	Tonnes	0	0	0	0
Other disposal operations	Tonnes	0	0	0	0
Onsite	Tonnes	0	0	0	0
Offsite	Tonnes	0	0	0	0
Total non-hazardous waste directed to disposal	Tonnes	0	0	0	0
Incineration (with energy recovery)	Tonnes	0	0	0	0
Onsite	Tonnes	0	0	0	0
Offsite	Tonnes	0	0	0	0
Incineration (without energy recovery)	Tonnes	0	0	0	0
Onsite	Tonnes	0	0	0	0
Offsite	Tonnes	0	0	0	0
Landfilling	Tonnes	0	0	0	0
Onsite	Tonnes	0	0	0	0
Offsite	Tonnes	0	0	0	0
Other disposal operations	Tonnes	0	0	0	0
Onsite	Tonnes	0	0	0	0
Offsite	Tonnes	0	0	0	0
Municipal waste	Tonnes	0	0	0	0

G4-OG6 Flared and vented hydrocarbon

	Volume of flared and vented hydrocarbon	Million M3				
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Environmental Compliance						
GRI Standard	Data	Unit	2020	2021	2022	2023
-	Environmental compliance					
	Number of violations of legal obligations/regulations	Case	0	0	0	0
	Amount of fines/penalties related to the above	Baht	0	0	0	0
	Environmental liability accrued at year end	Case	0	0	0	0
	Total actual and opportunity costs (e.g. forgone income) from water-related incidents	Baht	0	0	0	0
-	Environmental reporting					
	Coverage of publicly available environmental data	% of production	100	100	100	100

	Other provinces	Person	0	0	0	0	0	0	0	0	0	0	0	0	
405-1 (2016)	Employee by age group														
	< 30 years	Person	500	40	540	629	73	702	633	83	716	572	75	647	
	< 30 years	% of total employee	11.51	4.96	10.49	16.26	11.09	15.51	16.61	12.99	16.09	15.27	11.85	14.78	
	30-50 years	Person	3,050	572	3,622	2,605	462	3,067	2,372	412	2,784	2,195	385	2,580	
	30-50 years	% of total employee	70.23	70.97	70.34	67.35	70.21	67.76	62.26	64.48	62.58	58.61	60.82	58.93	
	> 50 years	Person	793	194	987	634	123	757	805	144	949	978	173	1,151	
	> 50 years	% of total employee	18.26	24.07	19.17	16.39	18.69	16.73	21.13	22.54	21.33	26.11	27.33	26.29	
405-1 (2016)	Employee by level														
	CEO and Top management (Level 16-18)	Person	5	2	7	5	2	7	9	2	11	11	2	13	
	CEO and Top management (Level 16-18)	% of total employee	0.12	0.25	0.14	0.13	0.30	0.15	0.24	0.31	0.25	0.29	0.32	0.30	
	Middle management (Level 11-15)	Person	198	59	257	186	49	235	199	53	252	199	47	246	
	Middle management (Level 11-15)	% of total employee	4.56	7.32	4.99	4.81	7.45	5.19	5.22	8.29	5.66	5.31	7.42	5.62	
	Junior management (Level 9-10)	Person	453	141	594	342	105	447	400	94	494	432	86	518	
	Junior management (Level 9-10)	% of total employee	10.43	17.49	11.54	8.84	15.96	9.88	10.50	14.71	11.10	11.54	13.59	11.83	
	Operation (Level 2-8)	Person	3,687	604	4,291	3,335	502	3,837	3,202	490	3,692	3,103	498	3,601	
	Operation (Level 2-8)	% of total employee	84.90	74.94	83.34	86.22	76.29	84.78	84.04	76.68	82.98	82.86	78.67	82.25	

People : #2					
		2020	2021	2022	2023

GRI Standard	Data	Person	%	Person	%	Person	%	Person	%
405-1 (2016)	Employee by nationality								
	Thai	5,153	99.92	4,527	99.87	4,450	99.87	4,380	99.86
	Japanese	3	0.06	3	0.07	3	0.07	3	0.07
	Singapore	1	0.02	1	0.02	1	0.02	1	0.02
	German	0	0.00	1	0.02	1	0.02	1	0.02
	Korean	0	0.00	1	0.02	1	0.02	1	0.02
	Others	0	0.00	0	0.00	0	0.00	0	0.00
405-1 (2016)	Management employees by nationality								
	Thai	858	16.64	689	15.20	757	16.99	777	17.72
	Others	0	0.00	0	0.00	0	0.00	1	0.02
405-1 (2016)	People with disability								
	People with disability	0	0.00	1		4		4	
2-30 (2021)	Freedom of Association								
	Employee represented by Labor Union		77.00		77.00		72.00		86.49

People : #3														
GRI Standard	Data	Unit	2020			2021			2022			2023		
			Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
401-1 (2016)	New employee hire													
	New employee	Person	72	2	74	247	60	307	111	30	141	32	18	50
	New hire rate	% of total employee	1.66	0.25	1.44	6.39	9.12	6.78	2.91	4.69	3.17	0.85	2.84	1.14
401-1 (2016)	New employee hires by area													
	Rayong	Person	70	0	70	220	19	239	98	15	113	27	10	37
	Rayong	% of total employee	1.61	0.00	1.36	5.69	2.89	5.28	2.57	2.35	2.54	0.72	1.58	0.85
	Bangkok	Person	2	2	4	18	40	58	11	15	26	2	8	10

	Bangkok	% of total employee	0.05	0.25	0.08	0.47	6.08	1.28	0.29	2.35	0.58	0.05	1.26	0.23
	Other provinces	Person	0	0	0	9	1	10	2	0	2	3	0	3
	Other provinces	% of total employee	0.00	0.00	0.00	0.23	0.15	0.22	0.05	0.00	0.04	0.08	0.00	0.07
401-1 (2016)	New employee hires by age group													
	< 30 years	Person	71	0	71	224	44	268	104	25	129	27	15	42
	< 30 years	% of total employee	1.63	0.00	1.38	5.79	6.69	5.92	2.73	3.91	2.90	0.72	2.37	0.96
	30-50 years	Person	0	2	2	22	15	37	5	4	9	5	2	7
	30-50 years	% of total employee	0.00	0.25	0.04	0.57	2.28	0.82	0.13	0.63	0.20	0.13	0.32	0.16
	> 50 years	Person	1	0	1	1	1	2	2	1	3	0	1	1
	> 50 years	% of total employee	0.02	0.00	0.02	0.03	0.15	0.04	0.05	0.16	0.07	0.00	0.16	0.02
401-1 (2016)	Employee turnover													
	Employee turnover	Person	100	26	126	259	48	307	77	22	99	22	3	25
	Employee turnover rate	% of total employee	2.30	3.23	2.45	6.68	7.29	6.78	2.02	3.44	2.23	0.59	0.47	0.57
401-1 (2016)	Employee turnover by area													
	Rayong	Person	85	14	99	206	12	218	63	7	70	17	2	19
	Rayong	% of total employee	1.96	1.74	1.92	5.33	1.82	4.82	1.65	1.10	1.57	0.45	0.32	0.43
	Bangkok	Person	6	10	16	31	34	65	13	14	27	2	1	3
	Bangkok	% of total employee	0.14	1.24	0.31	0.80	5.17	1.44	0.34	2.19	0.61	0.05	0.16	0.07
	Other provinces	Person	9	2	11	22	2	24	1	1	2	3	0	3
	Other provinces	% of total employee	0.21	0.25	0.21	0.57	0.30	0.53	0.03	0.16	0.04	0.08	0.00	0.07
401-1 (2016)	Employee turnover by age group													
	< 30 years	Person	11	1	12	37	2	39	29	8	37	0	0	0
	< 30 years	% of total employee	0.25	0.12	0.23	0.96	0.30	0.86	0.76	1.25	0.83	0.00	0.00	0.00

	30-50 years	Person	21	10	31	46	7	53	22	8	30	3	3	6	
	30-50 years	% of total employee	0.48	1.24	0.60	1.19	1.06	1.17	0.58	1.25	0.67	0.08	0.47	0.14	
	> 50 years	Person	68	15	83	176	39	215	21	6	27	19	0	19	
	> 50 years	% of total employee	1.57	1.86	1.61	4.55	5.93	4.75	0.55	0.94	0.61	0.51	0.00	0.43	
404-1 (2016)	Training and development														
	Average training hours per employee	Hour/employee/year											31.68	28.24	29.96
	Average amount spent per employee on training and development	Baht/employee/year													7,078
	Total investment on employees training	Million Baht													31
404-1 (2016)	Training and development by level														
	Top management (Level 16-18)	Hour/employee/year											16.27	9.00	12.64
	Middle management (Level 11-15)	Hour/employee/year											24.68	31.95	28.32
	Junior management (Level 9-10)	Hour/employee/year											26.29	31.53	28.91
	Operation (Level 2-8)	Hour/employee/year											32.88	27.22	30.05
404-1 (2016)	Training and development by function														
	Technical function	Hour/employee/year											19.56	36.57	28.06
	Administrative / Support function	Hour/employee/year											20.00	24.65	22.32
	Production	Hour/employee/year											38.75	16.80	27.78
404-1 (2016)	Training and development by Type of Training														
	Environmental	Hour/employee/year											0.22	0.14	0.18

	Production	% of total production employees	100	100	100	100	100	100	100	100	100	100	100	100
-	Employee engagement													
	Employee engagement result	% of actively engaged employees			79.00			85.00			87.00			86.00
	Employee engagement target	% of actively engaged employees			80.00			80.00			80.00			80.00
	Data coverage	% of employees who responded to the survey			82.00			82.00			90.00			93.00

People : #4														
GRI Standard	Data	Unit	2020			2021			2022			2023		
			Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
401-3 (2016)	Parental leave													
	Number of employees entitled to parental leave	Person	4,509	943	5,452	3,947	693	4,640	4,497	845	5,342	3,765	613	4,378
	Number of employees taking parental leave	Person	91	16	107	86	12	98	73	7	80	55	6	61
	Number of employees returning to work after parental leave	Person	91	16	107	86	12	98	73	7	80	55	6	61
	Number of employees returning to work after parental leave who were still employed for 12 months after returning	Person	102	17	119	86	12	98	73	7	80	55	6	61

Employee returning to work retention rate	%	100	100	100	100	100	100	100	100	100	100	100	100	100
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People : #5									
GRI Standard	Data	2020		2021		2022		2023	
		Baht	Ratio	Baht	Ratio	Baht	Ratio	Baht	Ratio
405-2 (2016)	Ratio of basic salary and remuneration of women to men								
	Total employee	7,761,674		7,950,460		9,227,868		10,836,596	
	Executives (Level 17-18)	4,359,728	0.72	4,432,686	0.90	6,897,269	0.79	7,724,501	1.02
	Management (Level 9-16)	2,279,123	0.86	2,235,900	0.85	1,581,433	0.88	2,166,959	0.97
	Non-management Level (Level 2-8)	1,122,823	1.00	1,281,874	1.06	749,166	1.02	945,136	1.06

Occupational Health and Safety :						
GRI Standard	Data	Unit	2020	2021	2022	2023
403-8 (2018)	Workers covered by an occupational health and safety management system					
	Employee	Person	5,149	4,526	4,449	4,378
	Covered by an occupational health and safety management system	Person	5,149	4,526	4,449	4,378
	Covered by an occupational health and safety management system	%	100.00	100.00	100.00	100.00
	Covered by such a system that has been internally audited	Person	5,149	4,526	4,449	4,378
	Covered by such a system that has been internally audited	%	100.00	100.00	100.00	100.00

Covered by such a system that has been audited or certified by an external party	Person	5,149	4,526	4,449	4,378
Covered by such a system that has been audited or certified by an external party	%	100.00	100.00	100.00	100.00
Contractor	Person	10,087	13,184	12,294	14,268
Covered by an occupational health and safety management system	Person	10,087	13,184	12,294	14,268
Covered by an occupational health and safety management system	%	100.00	100.00	100.00	100.00
Covered by such a system that has been internally audited	Person	10,087	13,184	12,294	14,268
Covered by such a system that has been internally audited	%	100.00	100.00	100.00	100.00
Covered by such a system that has been audited or certified by an external party	Person	10,087	13,184	12,294	14,268

	Covered by such a system that has been audited or certified by an external party	%	100.00	100.00	100.00	100.00
403-9 (2018)	Work-related injuries					
	Number of fatalities as a result of work-related injury	Case	0	0	0	0
	Employee	Case	0	0	0	0
	Contractor	Case	0	0	0	0
	Rate of fatalities as a result of work-related injury	Case/Million hours	0.00	0.00	0.00	0.00
	Employee	Case/Million hours	0.00	0.00	0.00	0.00
	Contractor	Case/Million hours	0.00	0.00	0.00	0.00
	Number of high-consequence work-related injuries (excluding fatalities)	Case	0	0	0	0
	Employee	Case	0	0	0	0
	Contractor	Case	0	0	0	0
	Rate of high-consequence work-related injuries (excluding fatalities)	Case/Million hours	0.00	0.00	0.00	0.00
	Employee	Case/Million hours	0.00	0.00	0.00	0.00
	Contractor	Case/Million hours	0.00	0.00	0.00	0.00
	Number of recordable work-related injuries	Case	7	2	8	11

Employee	Case	4	1	1	2
Contractor	Case	3	1	7	9
Rate of recordable work-related injuries	Case/Million hours	0.39	0.12	0.30	0.36
Employee	Case/Million hours	0.36	0.10	0.10	0.10
Contractor	Case/Million hours	0.43	0.14	0.42	0.50
The number of hours worked	Million hours	18.06	16.49	26.34	30.41
Employee	Million hours	11.14	9.59	9.79	9.77
Contractor	Million hours	6.92	6.90	16.55	20.65
Lost-Time Injury Frequency Case	Case	3	0	6	1
Employee	Case	1	0	1	0
Contractor	Case	2	0	5	1
Lost-Time Injury Frequency Rate (LTIFR)	Case/Million hours	0.17	0.00	0.23	0.03
Employee	Case/Million hours	0.09	0.00	0.10	0.00
Contractor	Case/Million hours	0.29	0.00	0.30	0.07
Lost Workday Case (LWC)	Case	3	0	6	1
Employee	Case	1	0	1	0
Contractor	Case	2	0	5	1
Lost Day Rate (LDR)	Case/Million hours	1.27	0.00	5.55	0.00
Employee	Case/Million hours	0.54	0.00	0.11	0.00
Contractor	Case/Million hours	2.46	0.00	8.64	0.20

403-10 (2018)	Work-related ill health					
	The number of fatalities as a result of work-related ill health	Case	0	0	0	0
	Employee	Case	0	0	0	0
	Contractor	Case	0	0	0	0
	The number of cases of recordable work-related ill health	Case	0	0	0	0
	Employee	Case	0	0	0	0
	Contractor	Case	0	0	0	0
	Total Recordable Occupational Illness Rate (TROIR)	Case/Million hours	0.00	0.00	0.00	0.00
	Employee	Case/Million hours	0.00	0.00	0.00	0.00
	Contractor	Case/Million hours	0.00	0.00	0.00	0.00

Process safety events :						
GRI Standard	Data	Unit	2020	2021	2022	2023
-	Process safety events - Tier 1					
	Number of tier 1 process safety events	Case	2	0	1	0
	Data coverage	% of revenue	100	100	100	100
	Target of tier 1 process safety events	Case	0	0	0	0
-	Process safety events - Tier 2					
	Number of tier 2 process safety events	Case	1	2	2	1

Data coverage	% of revenue	100	100	100	100
Target of tier 2 process safety events	Case	0	0	0	0