# **Gulf Energy Development**

**Gulf Energy Development** Bloomberg **GULF TB Public Company Limited** Reuters **GULF.BK** 



# 2Q24: Record high, as expected

In line with estimates, 2Q24 net profit was Bt4.7bn to a record high, up 64.3% YoY and 35.5% QoQ, driven by contribution from associates and JVs and fullquarter operations of GPD units 2 and 3. Profit is expected to continue to grow over the rest of the year, driven by new capacity additions: GPD unit 4 (662.5MW, startup October 2024) and several solar projects under development. Outperform with end-2024 DCF-based TP of Bt63/share.

Record-high quarter in 2Q24 net profit, in line with consensus, driven by a 70.0% QoQ and 73.3% YoY increase in contribution from associates and JVs: 1) a rise of 5.6% QoQ and 20.4% YoY from INTUCH, which benefited from higher profit at ADVANC, 2) better profit at GJP without scheduled maintenance, 3) the full-quarter recognition of the COD of HKP unit 1 (377 MWe), 4) improved performance at PTT NGD driven by lower gas costs and higher selling prices in line with fuel oil prices, and 5) a full-quarter of GPD unit 3 (464 MWe) revenue.

**2H24 outlook remains solid.** We expect core profit to continue grow through the rest of the year, driven by a 2,700MW increase in capacity to 15,167MW in 2024 via several projects: 1) a full contribution of new IPP, GPD unit 3 (capacity 662.5 MW, startup October 2024) and GPD unit 4 (662.5MW, startup October 2024), 2) a full contribution from the new IPP at Hin Kong Power (HKP) unit 1 (capacity 770MW, startup March 2024) and 3) the planned COD of its solar, solar + battery energy storage system (BESS) and solar rooftop projects adding 605MW in 2H24. We are also positive about the upcoming bidding for two power projects in Thailand: the second phase of 3.6GW renewable power and the new PDP2024, which is expected to add new 30-40GW of renewable capacity to meet future demand for green power. Note that Gulf's current renewable capacity accounts for only 10% of its total electricity capacity, with a goal to reach 40% by 2035. Also, we are also positive on the merger deal between GULF and INTUCH, which is scheduled to be approved by shareholders meetings (EGM) on Oct 3, 2024.

Attractive valuation. GULF trades at only 27.8x 2024 PE or -1.0 SD of its 5-year historical PE mean. As a result, we remain positive on the solidity of GULF's earnings for the next 1-2 years. We maintain our Outperform rating with an end-2024 DCF-based TP of Bt63/share.

Key risks: 1) Lower than expected investment return on new projects, but GULF's excellent track record in bringing projects in on time and on budget minimizes this risk, 2) SPP electricity and steam sales to industrial customers, exposed to a poor economy and fuel costs, and weather-related risk at renewable power projects. Key ESG risk are the environmental impact from its exposure to fossil fuels.

### **Forecasts and valuation**

Year to 31 Dec	Unit	2022	2023	2024F	2025F	2026F
Revenue	(Btmn)	94,151	114,054	136,067	144,870	166,994
EBITDA	(Btmn)	22,473	25,195	31,725	35,177	44,496
Core profit	(Btmn)	12,045	15,666	20,042	25,043	30,865
Reported profit	(Btmn)	11,418	14,858	20,042	25,043	30,865
Core EPS	(Bt)	1.03	1.34	1.71	2.13	2.63
DPS	(Bt)	0.60	0.88	1.02	1.28	1.58
P/E, core	(x)	46.3	35.6	27.8	22.3	18.1
EPS growth, core	(%)	37.7	30.1	27.9	25.0	23.2
P/BV, core	(x)	5.0	4.8	4.4	4.1	3.7
ROE	(%)	11.6	13.8	16.6	19.0	21.4
Dividend yield	(%)	1.3	1.9	2.1	2.7	3.3
EV/EBITDA	(x)	34.1	31.8	25.0	22.1	16.7

Source: InnovestX Research

# **Tactical: OUTPERFORM** (3-month)

Stock data	
Last close (Aug 8) (Bt)	47.50
Target price (Bt)	63.00
Mkt cap (Btbn)	557.32
Mkt cap (US\$mn)	15,820
Beta	L
Mkt cap (%) SET	3.47
Sector % SET	19.76
Shares issued (mn)	11,733
Par value (Bt)	1.00
12-m high / low (Bt)	51.3 / 37
Avg. daily 6m (US\$mn)	18.16
Foreign limit / actual (%)	49 / 36.77
Free float (%)	25.9
Dividend policy (%)	≥ 30

Share perform	ance		
(%)	1M	3M	12M
Absolute	17.3	14.5	(3.1)
Relative to SET	19.4	20.9	14.3

Source: SET, InnovestX Research

# 2023 Sustainability / 2022 ESG Score

**SET ESG Ratings** AA

<b>ESG Bloomberg Rank in the secto</b>	or
ESG Score Rank	12/67
Environmental Score Rank	5/67
Social Score Rank	7/67
Governance Score Rank	24/67

### **ESG** comment

GULF's ESG score rank in 2022 was acceptable although the ESG disclosure score is below the sector average, based on Bloomberg assessment. Key ESG risk are the environmental impact from its exposure to fossil fuels, energy management, high greenhouse gas emission, and nearby community impact.

Source: Bloomberg Finance L.P.

### **Analyst**

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### **Our view on ESG**

We view that GULF provides concrete targets on environmental and social issues with a committed timeline and actual performance relative to its targets. We view its management and governance as satisfactory, reflecting management's expertise and experience in the business, with a diverse board of directors and transparency with stakeholders. Key ESG risks are the environmental impact from its exposure to fossil fuels, energy management, high greenhouse gas emission, and nearby community impact.

### **ESG Disclosure Score**

Bloomberg ESG Score	63.10 (2022)		CG Ratin	g DJSI	SETESG	SET ESG Ratings			
Rank in Sector	12/67	GULF	5	No	Yes	AA			
		Source: Thai	Source: Thai Institute of Directors and SET						

### Environmental Issue (E)

- GULF aims to increase the proportion of renewables in its generation mix to ≥40% of total gross installed capacity by 2035. Currently, it has over 800MW committed renewable capacity.
- GULF has set a target to reduce its carbon intensity by 25% within 2030 from the base year of 2019 to align with the government's commitment to carbon neutrality and net zero GHG emissions.
- GULF's innovation in operations and several efficiency improvement projects have helped it reduce fuel consumption and carbon intensity, resulting in >Bt300mn operational cost savings.
- GULF was able to maintain its zero waste to landfill target since 2020 and in 2022 was also able to achieve its zerowaste incineration target.
- We view that the environmental issue to be materialize factor for GULF and GULF is in the lagging position compared with peers on the climate exposure, GHG emission management and sustainable products.

### Governance Issue (G)

- GULF's board of directors consists of 12 directors, 8 non-executive directors (66.67% of the entire Board), 7 independent directors (58.33% of the entire Board), and an executive director. This includes four female members (33.33% of the entire board).
- GULF has been rated "Excellent" (5 stars) by the Thai Institute of Directors in 2022.
- We view GULF's management and governance as satisfactory, reflecting management's expertise and experience in the utilities sector, its transparency with stakeholders, and its independent board of directors but the governance score also lagging its peers from the executive compensation and shareholder rights.

### Social Issue (S)

- GULF ensures that its employees are provided with a safe and healthy work environment. It achieved its Zero Accident target, having a lost-time injury frequency rate (LTIFR) of zero for both employees and contractors.
- The employee engagement rate was 77% and the satisfaction rate was 88%. GULF reported that it has not received any complaints regarding human rights violations. Its assessments have also determined that internal controls and human rights risk mitigation plans are adequate and appropriate at all sites.
- GULF has established a strategy to support local communities across the country under the "IMPACT" framework to create positive impacts and elevate quality of life for sustainable growth and development.
- GULF is also a below average position in social issue compared with peers on the operational risk management, access, ethics and compliance issues.

### **ESG Disclosure Score**

	2021	2022
ESG Disclosure Score	61.53	63.10
Environment	68.74	72.43
Emissions Reduction Initiatives	Yes	Yes
Climate Change Policy	Yes	Yes
GHG Scope 1	9,627	10,491
Biodiversity Policy	Yes	Yes
Energy Efficiency Policy	Yes	Yes
Total Energy Consumption	26,054.203	3,604.50
Social	49.94	50.97
Human Rights Policy	Yes	Yes
Equal Opportunity Policy	Yes	Yes
Health and Safety Policy	Yes	Yes
Fatalities - Employees	0.00	0.00
Total Recordable Incident Rate - Employees	_	_
Employee Turnover Pct	5.20	7.80
Governance	65.89	65.89
Size of the Board	10	12
Number of Board Meetings for the Year	16	14
Board Meeting Attendance Pct	98	99
Number of Female Executives	3	3
	_	_

Number of Independent Directors Source: Bloomberg Finance L.P.

### Disclaimer

Bloomberg ESG Disclosure Scores rate companies on their level of disclosure of ESG data. Bloomberg offers four disclosure scores, for overall ESG, as well as Environmental, Social, and Governance. To review the fully transparent methodology, calculate disclosure scores for any company, and compare a company's scores vs its peers, see ESG Disclosure Score Model in Bloomberg.



# **Financial statement**

FY December 31	Unit	2019	2020	2021	2022	2023	2024F	2025F	2026F
Total revenue	(Btmn)	30,040	32,863	47,467	94,151	114,054	136,067	144,870	166,994
Cost of goods sold	(Btmn)	22,791	23,702	34,388	74,711	92,022	106,609	111,974	124,260
Gross profit	(Btmn)	7,249	9,161	13,079	19,440	22,033	29,458	32,896	42,734
SG&A	(Btmn)	1,713	2,116	2,297	2,955	3,915	4,631	4,922	5,861
Other income	(Btmn)	304	543	2,516	925	2,896	2,954	2,974	2,994
Interest expense	(Btmn)	2,896	3,665	5,596	7,652	9,817	9,362	9,058	8,526
Pre-tax profit (before extra)	(Btmn)	2,943	3,923	7,703	9,759	11,197	18,420	21,890	31,341
Corporate tax	(Btmn)	(14)	107	347	1,344	658	2,315	970	3,431
Equity a/c profits	(Btmn)	3,205	2,462	2,886	6,321	10,284	9,271	9,790	9,710
Minority interests	(Btmn)	(2,280)	(1,862)	(1,497)	(2,691)	(5,157)	(5,334)	(5,667)	(6,754)
Core profit	(Btmn)	3,883	4,416	8,745	12,045	15,666	20,042	25,043	30,865
Extra-ordinary items	(Btmn)	1,003	(134)	(1,075)	(627)	(808)	0	0	0
Net Profit	(Btmn)	4,887	4,282	7,670	11,418	14,858	20,042	25,043	30,865
EBITDA	(Btmn)	8,273	11,020	18,287	22,473	25,195	31,725	35,177	44,496
Core EPS	(Btmn)	0.36	0.40	0.75	1.03	1.34	1.71	2.13	2.63
Net EPS	(Bt)	0.46	0.39	0.65	0.97	1.27	1.71	2.13	2.63
DPS	(Bt)	0.13	0.38	0.44	0.60	0.88	1.02	1.28	1.58

## **Balance Sheet**

FY December 31	Unit	2019	2020	2021	2022	2023	2024F	2025F	2026F
Total current assets	(Btmn)	21,531	30,354	38,811	70,249	72,686	42,797	54,374	79,478
Total fixed assets	(Btmn)	112,747	215,226	323,863	347,923	386,828	391,662	390,079	366,438
Total assets	(Btmn)	134,278	245,581	362,674	418,172	459,514	434,459	444,454	445,916
Total loans	(Btmn)	77,161	141,718	223,564	250,565	284,849	246,961	238,950	224,931
Total current liabilities	(Btmn)	9,809	29,643	35,016	51,868	65,623	34,349	40,756	39,962
Total long-term liabilities	(Btmn)	75,429	143,858	220,148	230,502	249,787	241,776	227,757	215,491
Total liabilities	(Btmn)	85,238	173,501	255,165	282,370	315,410	276,125	268,514	255,453
Paid-up capital	(Btmn)	10,667	11,733	11,733	11,733	11,733	11,733	11,733	11,733
Total equity	(Btmn)	38,427	64,027	96,596	110,787	116,585	125,481	137,480	151,567
BVPS	(Bt)	3.60	5.46	8.23	9.44	9.94	10.69	11.72	12.92

## **Cash Flow Statement**

FY December 31	Unit	2019	2020	2021	2022	2023	2024F	2025F	2026F
Core Profit	(Btmn)	3,883	4,416	8,745	12,045	15,666	20,042	25,043	30,865
Depreciation and amortization	(Btmn)	2,434	3,431	4,989	5,063	4,181	3,944	4,229	4,629
Operating cash flow	(Btmn)	8,043	10,566	14,023	11,106	18,291	32,590	38,570	64,024
Investing cash flow	(Btmn)	(14,317)	(70,410)	(78,206)	(25,036)	(34,400)	(17,781)	(12,937)	(12,913)
Financing cash flow	(Btmn)	2,221	63,101	68,128	33,277	15,628	(43,702)	(15,837)	(30,797)
Net cash flow	(Btmn)	(4,053)	3,256	3,945	19,347	(481)	(28,893)	9,796	20,314

### **Key Financial Ratios**

FY December 31	Unit	2019	2020	2021	2022	2023	2024F	2025F	2026F
Gross margin	(%)	24.1	27.9	27.6	20.6	19.3	21.6	22.7	25.6
Operating margin	(%)	18.4	21.4	22.7	17.5	15.9	18.2	19.3	22.1
EBITDA margin	(%)	27.5	33.5	38.5	23.9	22.1	23.3	24.3	26.6
EBIT margin	(%)	19.4	23.1	28.0	18.5	18.4	20.4	21.4	23.9
Net profit margin	(%)	16.3	13.0	16.2	12.1	13.0	14.7	17.3	18.5
ROE	(%)	10.4	8.6	10.9	11.6	13.8	16.6	19.0	21.4
ROA	(%)	3.0	2.3	2.9	3.1	3.6	4.5	5.7	6.9
Net D/E	(x)	1.3	1.7	1.9	1.5	1.7	1.5	1.6	1.2
Interest coverage	(x)	2.9	3.0	3.3	2.9	2.6	3.4	3.9	5.2
Debt service coverage	(x)	1.4	0.5	0.7	0.6	0.5	1.4	1.3	1.7
Payout Ratio	(%)	28.4	97.3	67.3	61.7	69.5	59.7	60.0	60.1

# **Main Assumptions**

Unit	2019	2020	2021	2022	2023	2024F	2025F	2026F
(MW)	5,919	6,409	7,875	9,572	12,420	15,167	16,534	16,813
(MW)	2,701	2,959	3,951	4,966	6,712	8,669	9,643	9,930
(GWh)	7,072	7,541	10,505	14,597	28,061	33,326	36,370	44,594
(GWh)	1,923	1,914	2,238	2,376	2,334	2,381	2,381	2,381
(%)	3.97	3.35	3.12	3.30	3.80	3.80	3.80	3.80
	(MW) (MW) (GWh) (GWh)	(MW) 5,919 (MW) 2,701 (GWh) 7,072 (GWh) 1,923	(MW)     5,919     6,409       (MW)     2,701     2,959       (GWh)     7,072     7,541       (GWh)     1,923     1,914	(MW)         5,919         6,409         7,875           (MW)         2,701         2,959         3,951           (GWh)         7,072         7,541         10,505           (GWh)         1,923         1,914         2,238	(MW)         5,919         6,409         7,875         9,572           (MW)         2,701         2,959         3,951         4,966           (GWh)         7,072         7,541         10,505         14,597           (GWh)         1,923         1,914         2,238         2,376	(MW)         5,919         6,409         7,875         9,572         12,420           (MW)         2,701         2,959         3,951         4,966         6,712           (GWh)         7,072         7,541         10,505         14,597         28,061           (GWh)         1,923         1,914         2,238         2,376         2,334	(MW)         5,919         6,409         7,875         9,572         12,420         15,167           (MW)         2,701         2,959         3,951         4,966         6,712         8,669           (GWh)         7,072         7,541         10,505         14,597         28,061         33,326           (GWh)         1,923         1,914         2,238         2,376         2,334         2,381	(MW)     5,919     6,409     7,875     9,572     12,420     15,167     16,534       (MW)     2,701     2,959     3,951     4,966     6,712     8,669     9,643       (GWh)     7,072     7,541     10,505     14,597     28,061     33,326     36,370       (GWh)     1,923     1,914     2,238     2,376     2,334     2,381     2,381



# **Financial statement**

FY December 31	Unit	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24	2Q24
Total revenue	(Btmn)	23,631	26,888	26,413	32,557	27,419	27,665	31,599	31,592
Cost of goods sold	(Btmn)	18,931	21,148	21,101	27,115	21,866	21,940	25,857	25,575
Gross profit	(Btmn)	4,700	5,740	5,311	5,442	5,553	5,726	5,742	6,017
SG&A	(Btmn)	643	1,121	742	926	832	1,415	772	906
Other income	(Btmn)	75	718	581	951	748	616	681	1,024
Interest expense	(Btmn)	2,036	2,279	2,124	2,416	2,582	2,695	2,606	2,792
Pre-tax profit	(Btmn)	2,096	3,058	3,027	3,051	2,888	2,231	3,044	3,344
Corporate tax	(Btmn)	572	178	186	203	229	39	315	191
Equity a/c profits	(Btmn)	569	2,511	2,089	1,754	2,507	3,933	1,789	3,041
Minority interests	(Btmn)	266	(2,077)	(1,342)	(1,007)	(913)	(1,896)	(524)	(1,215)
Core profit	(Btmn)	2,167	3,593	3,668	3,556	4,203	4,217	4,152	4,779
Extra-ordinary items	(Btmn)	(1,272)	2,092	262	(711)	(892)	532	(495)	(237)
Net Profit	(Btmn)	1,087	5,685	3,850	2,885	3,360	4,735	3,499	4,741
EBITDA	(Btmn)	5,409	6,635	6,104	6,468	6,573	6,050	6,787	7,273
Core EPS	(Btmn)	0.20	0.31	0.31	0.31	0.36	0.36	0.34	0.42
Net EPS	(Bt)	0.09	0.48	0.33	0.25	0.29	0.40	0.30	0.40

# **Balance Sheet**

FY December 31	Unit	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24	2Q24
Total current assets	(Btmn)	54,274	70,249	82,706	70,637	86,835	72,686	77,219	75,338
Total fixed assets	(Btmn)	367,346	347,923	367,912	378,815	389,874	386,828	395,650	406,513
Total assets	(Btmn)	421,621	418,172	450,619	449,453	476,710	459,514	472,868	481,852
Total loans	(Btmn)	263,728	250,565	275,022	275,319	294,090	284,849	289,293	301,567
Total current liabilities	(Btmn)	50,457	51,868	63,666	62,834	79,392	65,623	81,091	75,818
Total long-term liabilities	(Btmn)	248,753	230,502	247,513	249,898	253,061	249,787	271,139	290,545
Total liabilities	(Btmn)	299,210	282,370	311,180	312,732	332,454	315,410	352,230	366,363
Paid-up capital	(Btmn)	11,733	11,733	11,733	11,733	11,733	11,733	11,733	11,733
Total equity	(Btmn)	106,843	110,787	113,033	110,280	116,480	116,585	120,638	115,488
BVPS	(Bt)	9.11	9.44	9.63	9.40	9.93	9.94	10.28	9.84

# **Cash Flow Statement**

FY December 31	Unit	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24	2Q24
Core Profit	(Btmn)	2,167	3,593	3,668	3,556	4,203	4,217	4,152	4,779
Depreciation and amortization	(Btmn)	1,277	1,298	954	1,001	1,103	1,123	1,136	1,137
Operating cash flow	(Btmn)	6,056	(1,685)	5,401	1,341	7,556	3,991	2,249	7,684
Investing cash flow	(Btmn)	(13,617)	4,570	(21,036)	(806)	(3,922)	(8,635)	(4,444)	(5,564)
Financing cash flow	(Btmn)	18,687	8,363	22,815	(11,881)	13,641	(8,946)	(3,394)	(669)
Net cash flow	(Btmn)	11,127	11,248	7,180	(11,345)	17,275	(13,590)	(5,589)	1,452

# **Key Financial Ratios**

FY December 31	Unit	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24	2Q24
Gross margin	(%)	19.9	21.3	20.1	16.7	20.3	20.7	18.2	19.0
Operating margin	(%)	17.2	17.2	17.3	13.9	17.2	15.6	15.7	16.2
EBITDA margin	(%)	22.9	24.7	23.1	19.9	24.0	21.9	21.5	23.0
EBIT margin	(%)	17.5	19.8	19.5	16.8	19.9	17.8	17.9	19.4
Net profit margin	(%)	4.6	21.1	14.6	8.9	12.3	17.1	11.1	15.0
ROE	(%)	9.0	13.2	12.8	12.9	15.0	14.4	13.5	16.9
ROA	(%)	2.3	3.4	3.3	3.2	3.7	3.6	3.4	4.2
Net D/E	(x)	1.9	1.5	1.6	1.7	1.6	1.7	2.1	2.3
Interest coverage	(x)	2.7	2.9	2.9	2.7	2.5	2.2	2.6	2.6
Debt service coverage	(x)	0.7	0.7	0.5	0.5	0.4	0.5	0.4	0.5

## **Key Statistics**

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FY December 31	Unit	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24	2Q24
Gross installed capacity (period-end)	(MW)	8,722	9,572	9,572	11,581	11,581	12,420	13,083	13,853
Equity installed capacity (period-end)	(MW)	4,509	4,966	4,966	6,088	6,088	6,712	7,176	7,553
Electricity sales volume - EGAT	(GWh)	2,735	3,668	4,399	8,201	7,542	7,918	9,027	10,073
Electricity sales volume - IUs	(GWh)	607	565	579	585	605	566	591	577
Effective interest rate	(%)	3.34	3.61	3.35	3.66	3.83	3.98	3.93	4.15



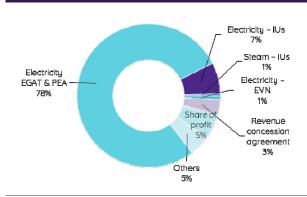
Figure 1: GULF - 2Q24 earnings review

	2Q23	3Q23	4Q23	1Q24	2Q24	%YoY	%QoQ
P&L (Bt, mn)							
Total revenue	32,557	27,419	27,665	31,599	31,592	(3.0)	(0.0)
Gross profit	5,442	5,553	5,726	5,742	6,017	10.6	4.8
EBITDA	6,468	6,573	6,050	6,787	7,273	12.5	7.2
Profit before extra items	3,556	4,203	4,217	4,152	4,779	34.4	15.1
Net Profit	2,885	3,360	4,735	3,499	4,741	64.3	35.5
EPS (Bt)	0.25	0.29	0.40	0.30	0.40	64.3	35.5
B/S (Bt, mn)						n.a.	n.a.
Total assets	449,453	476,710	459,514	472,868	481,852	7.2	1.9
Total liabilities	312,732	332,454	315,410	352,230	366,363	17.1	4.0
Total equity	136,721	144,256	144,104	120,638	115,488	(15.5)	(4.3)
BVPS (Bt)	9.40	9.93	9.94	10.28	9.84	4.7	(4.3)
Financial ratio (%)	_					n.a.	n.a.
Gross margin (%)	16.7	20.3	20.7	18.2	19.0	13.9	4.8
EBITDA margin (%)	19.9	24.0	21.9	21.5	23.0	15.9	7.2
Net profit margin (%)	8.9	12.3	17.1	11.1	15.0	69.4	35.5
ROA (%)	3.2	3.7	3.6	3.4	4.2	30.5	21.8
ROE (%)	12.9	15.0	14.4	13.5	16.9	30.9	25.3
D/E (X)	2.3	2.3	2.2	2.9	3.2	30.8	33.4

Source: GULF and InnovestX Research

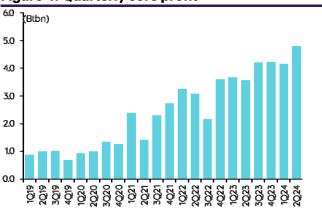
### **Appendix**

Figure 2: Revenue breakdown (2Q24)



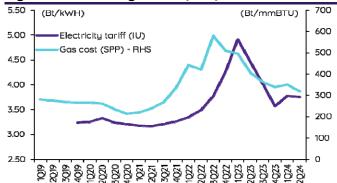
Source: GULF and InnovestX Research

Figure 4: Quarterly core profit



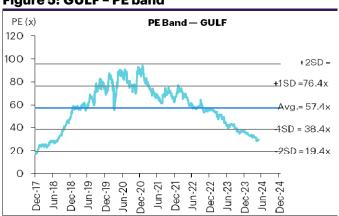
Source: GULF and InnovestX Research

Figure 3: Effective gas cost (SPP) vs. tariff to IU



Source: GULF and InnovestX Research

Figure 5: GULF - PE band



Source: InnovestX Research



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### CG Rating 2023 Companies with CG Rating

#### Companies with Excellent CG Scoring

TUP, AAV, ABM, ACE, ACG, ADB, ADD, ADVANC, AEONTS, AF, AGE, AH, AHC, AIRA, AIT, AJ, AKP, AKR, ALLA, ALT, AMA, AMARIN, AMATA, AMATAV, ANAN, AOT, AP, APCO, APCS, ARIP, ARROW, ASEFA, ASK, ASP, ASW, ATP30, AUCT, AWC, AYUD, B, BA, BAFS, BAM, BANPU, BAY, BBGI, BBIK, BBL, BC, BCH, BCP, BCPG, BDMS, BEC, BEM, BEYOND, BGC, BGRIM, BH, BIZ, BJC, BJCHI, BKI, BLA, BOL, BPP, BRI, BROOK, BRR, BTS, BTW, BWG, BYD, CBG, CENTEL, CFRESH, CHASE, CHEWA, CHG, CHOW, CIMBT, CIVIL, CK, CKP, CM, CNT, COLOR, COM7, COTTO, CPALL, CPAXT, CPF, CPI, CPL, CPN, CPW, CRC, CRD, CSC, CSS, CV, DCC, DDD, DELTA, DEMCO, DMT, DOHOME, DRT, DUSIT, EA, EASTW, ECF, ECL, EE, EGCO, EPR, CRW, ETC, ETE, FE, FLOYD, FN, FPI, FPT, FSX, FVC, GBX, GC, GCAP, GENCO, GFPT, GGC, GLAND, GLOBAL, GPSC, GRAMMY, GULF, GUNKUL, HANA, HARN, HENG, HMPRO, HPT, HTC, ICC, ICHI, ICN, III, ILINK, ILM, IMH, IND, INST, INTUCH, IP, IRC, IRPC, ITC, ITEL, IVL, JAS, JTS, KBANK, KCC, KCE, KEX, KKP, KSL, KTB, KTC, KTMS, KUMWEL, KUN, LALIN, LANNA, LH, LHFG, LIT, LOXLEY, LPN, LRH, LST, M, MAJOR, MALEE, MATCH, MBK, MC, M-CHAI, MCOT, MEGA, MFC, MFEC, MILL, MINT, MONO, MOONG, MSC, MST, MTC, MTI, NC, NCH, NCL, NDR, NER, NKI, NOBLE, NRF, NTV, NVD, NWR, NYT, OCC, OISHI', ONEE, OR, ORI, OSP, OTO, PAP, PATO, PB, PCSGH, PDG, PDJ, PG, PHOL, PIMO, PJW, PLANB, PLAT, PLUS, PM, POLY, PORT, PPP, PPS, PR9, PRG, PRINC, PRM, PRTR, PSH, PSL, PT, PTC, PTT, PTTEP, PTTGC, Q-CON, QH, QTC, RATCH, RBF, RPH, RS, RT, S, S&J, SA, SABINA, SAK, SAMART, SAMTEL, SAPPE, SAT, SBNEXT, SC, SCG, SCGC, SCG, SCGP, SCM, SDC, SEAFCO, SEAOIL, SECURE, SELIC, SENA, SENX, SFP<sup>2</sup>, SFT, SGC, SGF, SGP, SHR, SICT, SIRI, SIS, SITHAI, SJWD, SKR, SM, SMPC, SMT, SNC, SNNP, SNP, SO, PSALI, SPC, SPCG, SPI, SPRC, SR, SSC, SSF, SSSC, STA, STC, STEC, STET, STI, SUC, SUN, SUSCO, SUTHA, SVI, SVT, SYMC, SYNAC, SYNAC, SYNAC, SYNAC, SYNAC, SYNAC, STPIL, TRIP, TPS, TPM, THAI, THOT, TINTY, TNL, TNC, TOAC, TOAC,

#### Companies with Very Good CG Scoring

2S, A5, AAI, AIE, ALUCON, AMR, APURE, ARIN, AS, ASIA, ASIAN, ASIMAR, ASN, AURA, BR, BSBM, BSRC, BTG, CEN, CGH, CH, CHIC, CI, CIG, CMC, COMAN, CSP, DOD, DPAINT, DV8, EFORL, EKH, ESTAR, EVER, FORTH, FSMART, FTI, GEL, GPI, HEALTH, HUMAN, IFS, INSET, IT, J, JCKH, JDF, JKN, JMART, JUBILE, K, KCAR, KGI, KIAT, KISS, KK, KTIS, KWC, KWM, LDC, LEO, LHK, MACO, METCO, MICRO, MK, MVP, NCAP, NOVA, NTSC, PACO, PIN, PQS, PREB, PRI, PRIME, PROEN, PROS, PROUD, PSTC, PTECH, PYLON, RCL, SALEE, SANKO, SCI, SCN, SE, SE-ED, SFLEX, SINGER, SKN, SONIC, SORKON, SPVI, SSP, SST, STANLY, STP, SUPER, SVOA, SWC, TCC, TEKA, TFM, TMILL, TNP, TPLAS, TPOLY, TRC, TRU, TRUBB, TSE, VRANDA, WAVE, WFX, WIIK, WIN, WP, XO

### Companies with Good CG Scoring

24CS, AMANAH, AMARC, AMC, APP, ASAP, BCT, BE8, BIG, BIOTEC, BLESS, BSM, BVG, CAZ, CCET, CHARAN, CHAYO, CHOTI, CITY, CMAN, CMR, CRANE, CWT, DHOUSE, DTCENT, EASON, FNS, FTE, GIFT, GJS, GTB, GTV, GYT, HL, HTECH, HYDRO, IIG, INGRS, INSURE, IRCP, ITD, ITNS, JCK, JMT, JR, JSP, KBS, KGEN, KJL, L&E, LEE, MASTER, MBAX, MEB, MENA, META, MGT, MITSIB, MJD, MOSHI, MUD, NATION, NNCL, NPK, NSL, NV, OGC, PAF, PCC, PEACE, PICO, PK, PL, PLANET, PLE, PMTA, PPM, PRAKIT, PRAPAT, PRECHA, PRIN, PSG, RABBIT, READY, RJH, RSP, RWI, S11, SAAM, SAF, SAMCO, SAWAD, SCAP, SCP, SIAM, SKE, SKY, SMART, SMD, SMIT, SOLAR, SPA, STECH, STPI, SVR, TC, TCCC3, TEAM, TFI, TIGER, TITLE, TKC, TMI, TNH, TPA, TPAC, TRITN, UBA, UMI, UMS, UTP, VARO, VPO, W, WARRIX, WORK, WPH, YONG, ZIGA

#### **Corporate Governance Report**

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The survey result is as of the date appearing in the Corporate Governance Report of Thai Listed Companies. As a result, the survey result may be changed after that date. InnovestX

Securities Company Limited does not conform nor certify the accuracy of such survey result.

To recognize well performers, the list of companies attaining "Good", "Very Good" and "Excellent" levels of recognition (Not including listed companies qualified in the "no announcement of the results" clause from 1 January 2022 to 31 October 2023) is publicized.

<sup>1</sup>OISHI was voluntarily delisted from the Stock Exchange of Thailand, effectively on September 6, 2023

<sup>2</sup>SFP was voluntarily delisted from the Stock Exchange of Thailand, effectively on July 19, 2023

<sup>3</sup>TCCC was voluntarily delisted from the Stock Exchange of Thailand effectively on August 25, 2023

### Anti-corruption Progress Indicator

### Certified (ได้รับการรับรอง)

### Declared (ประกาศเจตนารมณ์)

ACE, ADB, ALT, AMC, ASW, BLAND, BTG, BYD, CAZ, CBG, CV, DEXON, DMT, EKH, FSX, GLOBAL, GREEN, ICN, IHL, ITC, J, JMART, JMT, LEO, LH, MENA, MITSIB, MODERN, NER, NEX, OSP, PEER, PLUS, POLY, PQS, PRIME, PROEN, PRTR, RBF, RT, SA, SANKO, SCB, SENX, SFLEX, SIS, SKE, SM, SVOA, TBN, TEGH, TIPH, TKN, TPAC, TPLAS, TQM, TRUE, W, WPH, XPG

### N/A

24CS, 3K-BAT, A, A5, AAV, ABM, ACAP, ACC, ACG, ADD, ADVICE, AEONTS, AFC, AGE, AHC, AIT, AJA, AKR, AKS, ALL, ALLA, ALPHAX, ALUCON, AMARC, AMARIN, AMR, ANAN, ANI, AOT, APCO, APEX, APO, APP, APURE, AQUA, ARIN, ARIP, ARROW, ASAP, ASEA, ASIA, ASIMAR, ASN, ATP30, AU, AUCT, AURA, B52, BA, BBIK, BC, BCT, BDMS, BEAUTY, BEM, BGT, BH, BIG, BIOTEC, BIS, BIZ, BJC, BJCHI, BKD, BKGI, BKIH, BLC, BLESS, BLISS, BM, BOL, BPS, BR, BRI, BROCK, BSM, BSRC, BTNC, BTW, BUI, BVG, CCET, CCP, CEYE, CFARM, CGD, CH, CHAO, CHARAN, CHASE, CHAYO, CHG, CHIC, CHO, CI, CITY, CIVIL, CK, CKP, CMAN, CMO, CMR, CNT, COCOCO, COLOR, COMAN, CPANEL, CPH, CPR, CPT, CRANE, CRD, CREDIT, CSP, CSR, CSS, CTW, CWT, D, DCON, DDD, DHOUSE, DITTO, DOD, DPAINT, DTCENT, DTCI, DV8, EASON, ECL, EE, EFORL, EMC, ETL, EURO, EVER, F&D, FANCY, FE, FLOYD, FM, FMT, FN, FORTH, FTI, FVC, GABLE, GENCO, GFC, GIFT, GL, GLAND, GLOCON, GLORY, GRAMMY, GRAND, GSC, GTB, GTV, GYT, HEALTH, HFT, HL, HPT, HTECH, HUMAN, HYDRO, I2, IIG, IMH, IND, INGRS, INSET, IP, IRC, IRCP, IT, ITD, ITNS, ITTHI, JAK, JCK, JCKH, JCT, JDF, JPARK, JSP, JUBILE, K, KAMART, KC, KCC, KCG, KCM, KDH, KEX, KIAT, KISS, KJL, KK, KKC, KLINIQ, KOOL, KTIS, KTMS, KUMWEL, KUN, KWC, KWI, KWM, KYE, LALIN, LDC, LEE, LIT, LOXLEY, LPH, LST, LTS, MAGURO, MANRIN, MASTER, MATI, MCA, M-CHAI, MCS, MDX, MEB, MEGA, METCO, MGC, MGI, MGT, MICRO, MIDA, MJD, MK, ML, MORE, MOSHI, MTW, MUD, MVP, NAM, NAT, NC, NCH, NCL, NCP, NDR, NEO, NETBAY, NEW, NEWS, NFC, NL, NNCL, NOK, NOVA, NPK, NSL, NTSC, NTV, NUSA, NV, NVD, NYT, OHTL, ONEE, ORN, PACO, PAF, PANEL, PCC, PEACE, PERM, PF, PHG, PICO, PIN, PJW, PLE, PLT, PMTA, POLAR, PORT, PPM, PRAKIT, PRAPAT, PRECHA, PRI, PRIN, PRO, PROUD, PSG, PSP, PTC, PTL, QTCG, RAM, RCL, READY, RICHY, RJH, ROCK, ROCTEC, ROH, ROJNA, RP, RPC, RPH, RSP, S, S11, SABUY, SAF, SAFARI, SAFE, SALEE, SAM, SAMART, SAMCO, SAMTEL, SAUCE, SAV, SAWAD, SAWANG, SBNEXT, SCAP, SCGD, SCI, SCL, SCP, SDC, SE, SEAFCO, SECURE, SFT, SGF, SHANG, SHR, SIAM, SICT, SIMAT, SINGER, SINO, SISB, SJWD, SK, SKN, SKY, SLM, SLP, SMART, SMD, SMT, SNNP, SO, SOLAR, SONIC, SPA, SPCG, SPG, SPREME, SPVI, SQ, SR, SRS, SSC, STANLY, STARK, STC, STEC, STECH, STHAI, STI, STP, STPI, STX, SUC, SUN, SUPER, SUTHA, SVR, SVT, SWC, SYNEX, TACC, TAN, TAPAC, TC, TCC, TCJ, TCOAT, TEAM, TEAMG, TEKA, TERA, TFM, TGPRO, TH, THAI, THANA, THE, THG, THMUI, TIGER, TITLE, TK, TKC, TLI, TM, TMC, TMI, TMW, TNDT, TNH, TNPC, TOA, TPBI, TPCH, TPIPL, TPIPP, TPL, TPOLY, TPP, TPS, TQR, TR, TRC, tritn, trp, trubb, trv, tse, tti, ttt, ttw, turtle, tvh, tvt, twp, twz, tycn, uac, uba, umi, ums, uniq, up, upf, upoic, ureka, utp, uvan, varo, vibha, vl, vng, vpo, VRANDA, WARRIX, WAVE, WELL, WFX, WGE, WIN, WINDOW, WINMED, WINNER, WORK, WORLD, WP, YGG, YONG, ZAA

### Explanations

Companies participating in Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC) under Thai Institute of Directors (as of November 1, 2023) are categorised into: companies that have declared their intention to join CAC, and companies certified by CAC.