

## Global Green Chemical

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Public Company Limited

GGC

Bloomberg  
Reuters GGC.TB  
GGC.BK


## 4Q23: Profit lifted by an extra gain

GGC's 4Q23 earnings turned around QoQ to a net profit of Bt14mn from net losses of Bt25mn in 4Q22 and Bt262mn in 3Q23. Behind this was a non-recurring gain of Bt60mn from higher fair value of collateral related to a lawsuit that reduced the value of contingent liabilities. Help was also provided by a lower inventory loss at only Bt3mn and higher EBITDA margin for both methyl ester and fatty alcohol segments. Core earnings were still in the red at Bt22mn as adjusted EBITDA margin remained low, though up QoQ. 2023's net loss of Bt202mn was less than expected due to extra items but operations were slow. Despite a better outlook for 2024F, recovery is more gradual than thought and we thus revise down our 2024F by 14% to net profit of Bt479mn. We also trim TP from Bt10.50 to Bt10, based on 1x PBV (2024F); still Underperform.

**Methyl ester (biodiesel): profit at 6-quarter high.** Better sales volume (+5.2% QoQ but -4.1% YoY) and adjusted EBITDA margin (2.8% vs. 2.3% in 3Q23) led to a stronger ME segment operating profit in 4Q23. Despite high seasonal demand, sales volume in 4Q23 was only 68% of pre-COVID level in 2019 as the government kept its 7% biodiesel mandate. This also reflects high competition. GGC's utilization rate was thus only 58% in 4Q23 vs. industry average of 41%. The segment also had a stock gain of Bt45mn vs a loss of Bt76mn in 3Q23 as biodiesel price rose 2.2% QoQ. ME unit EBITDA contribution fell 48.5% YoY in 2023 on lower price and spread.

**Fatty alcohol: higher EBITDA margin eroded by inventory loss.** FA segment EBITDA contribution turned around in 4Q23 to Bt139mn from minus Bt76mn in 3Q23 thanks to much better adjusted EBITDA margin at 11.7% (5.7% in 3Q23) due to higher production and a 19.6% QoQ rise in sales volume, though average FA price was flat QoQ. GGC ramped up production in 4Q23 to compensate for production lost in 3Q23 from a planned shutdown. Profit was eroded by inventory loss of Bt36mn, though far less than the loss of Bt146mn in 3Q23. FA segment EBITDA fell 76.6% YoY in 2023 on lower FA product margin and huge inventory loss.

**Brighter skies for 1Q24F and 2024F.** We expect 1Q24F earnings to improve QoQ on lower inventory loss and slightly higher product margin for ME and FA. Biodiesel price was up 4% in Jan 2024 from the 4Q23 average, reflecting market concern on CPO supply due to a drought caused by El Niño in 2023, though CPO stock was at 287k tons as of Dec 2023. We expect GGC's 2024F earnings to turn around from a net loss of Bt202mn in 2023 on lower negative impact from inventory and more normalized product spread, especially for FA. Product spread for ME will continue pressured by high competition in the market.

**TP trimmed to Bt10/share based on 1x PBV (2024F).** The earnings recovery is turning out to be more gradual than earlier expected and we have therefore cut our 2024F by 14% to a net profit of Bt479mn. We also trim TP from Bt10.50 to Bt10/share, based on 1x PBV (2024F) or -1SD of 5-year average. The TP implies 7.2x EV/EBITDA vs. 5-year average of 10.6x.

**Risk factors:** Volatile CPO and CPKO prices may cause stock loss and lower product spread. The government's wobbly policy on biodiesel mandate for domestic high-speed diesel also hurts demand for ME in the medium term.

## Forecasts and valuation

Year to 31 Dec	Unit	2022	2023	2024F	2025F	2026F
Revenue	(Btmn)	25,084	17,719	20,135	20,878	22,126
EBITDA	(Btmn)	1,744	520	1,180	1,311	1,452
Core profit	(Btmn)	1,002	(209)	479	593	714
Reported profit	(Btmn)	953	(202)	479	593	714
Core EPS	(Bt)	0.98	(0.20)	0.47	0.58	0.70
DPS	(Bt)	0.50	0.10	0.24	0.29	0.28
P/E, core	(x)	9.2	(44.1)	19.2	15.5	12.9
EPS growth, core	(%)	30.4	n.a.	n.a.	23.8	20.3
P/BV, core	(x)	0.9	0.9	0.9	0.9	0.8
ROE	(%)	9.9	(2.1)	4.8	5.7	6.6
Dividend yield	(%)	5.6	1.1	2.7	3.2	3.1
EV/EBITDA	(x)	4.3	15.0	6.3	5.3	4.4

Source: InnovestX Research

Tactical: UNDERPERFORM  
(3-month)

## Stock data

Last close (Feb 12) (Bt)	8.60
Target price (Bt)	10.00
Mkt cap (Btbn)	8.80
Mkt cap (US\$m)	246

Beta	H
Mkt cap (%) SET	0.05
Sector % SET	1.99
Shares issued (mn)	1,024
Par value (Bt)	9.50
12-m high / low (Bt)	14.8 / 7
Avg. daily 6m (US\$m)	0.01
Foreign limit / actual (%)	37 / 0
Free float (%)	12.7
Dividend policy (%)	≥ 30

## Share performance

(%)	1M	3M	12M
Absolute	(4.4)	(5.5)	(40.7)
Relative to SET	(2.8)	(5.6)	(28.9)

Source: SET, InnovestX Research

## 2023 Sustainability / 2022 ESG Score

SET ESG Ratings	No
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## ESG Bloomberg Rank in the sector

ESG Score Rank	n.a.
Environmental Score Rank	n.a.
Social Score Rank	n.a.
Governance Score Rank	n.a.

## ESG comment

We view that GGC's ESG report requires more disclosures in order to be given a SET ESG rating and scored by Bloomberg. More details about GGC's ESG can be found in its 2022 integrated sustainability report. GGC participated in the CDP assessment on climate change management in 2022 for the second year and received a rating of A-.

Source: Bloomberg Finance L.P.

## Analyst

## Chaipat Thanawattano

Fundamental Investment

Analyst on Securities

(66-2) 949-1005

chaipat.thanawattano@scb.co.th

### Our view on ESG

We view that GGC's ESG report requires more disclosures to be included in THSI and scored by Bloomberg. More details about GGC's ESG can be found in the company's integrated sustainability report 2022. GGC has participated in the CDP assessment on climate change management in 2022 for the second year and received a rating of A-.

### ESG Disclosure Score

Bloomberg ESG Score	n.a.	CG Rating	DJSI	SETESG	SET ESG Ratings
Rank in Sector	n.a.	GGC	5	No	No

Source: Thai Institute of Directors and SET

### Environmental Issue (E)

- GGC's main product, methyl ester (biodiesel) contributes to reduction in pollution, including the PM2.5 problem or environmental impact.
- GGC manages energy under the ISO 50001 standards and implements energy-saving projects to mitigate the impacts of climate change.
- GGC manages waste derived from operations by applying the concept of 3Rs (Reduce, Reuse and Recycle) to control the amount of waste, as well as reducing environmental impacts and waste disposal costs. GGC continues towards its goal of Zero-Waste to Landfill.

### Social Issue (S)

- GGC had no complaints from the community regarding its operations. This resulted in a community satisfaction rating of 91.4% in 2022, slightly higher than the previous year, in line with the company's Corporate Social Responsibility Management Strategy.
- GGC has formulated a Safety, Health, and Environmental (SHE) 5-year Plan (2020 - 2024) that integrated operations with international safety standards. It focuses on occupational health and safety in three areas, including personal safety, process safety, and off the job safety.

### Governance Issue (G)

- GGC's board of directors consists of 11 directors, 10 non-executive directors (90.9% of the entire Board), 6 independent directors, which exceeds half of the board (54.54% of the entire board), and an executive director. This includes one female member (9.1% of the entire board)
- The company has been rated "Excellent" (5 stars) by the Thai Institute of Directors for the fifth consecutive year in 2022.
- We view GGC's management and governance practices as broadly in line with those of other companies in the industry.

### ESG Disclosure Score

	2022
ESG Disclosure Score	n.a.
Environment	n.a.
Social	n.a.
Governance	n.a.

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

### Profit and Loss Statement

FY December 31	Unit	2019	2020	2021	2022	2023	2024F	2025F	2026F
Total revenue	(Btmn)	13,055	18,203	20,923	25,084	17,719	20,135	20,878	22,126
Cost of goods sold	(Btmn)	12,297	16,860	19,379	23,120	17,119	18,743	19,332	20,402
<b>Gross profit</b>	<b>(Btmn)</b>	<b>758</b>	<b>1,342</b>	<b>1,545</b>	<b>1,964</b>	<b>600</b>	<b>1,391</b>	<b>1,546</b>	<b>1,724</b>
SG&A	(Btmn)	839	828	794	904	670	761	789	837
Other income	(Btmn)	118	59	72	81	87	43	44	49
Interest expense	(Btmn)	68	69	49	49	57	68	59	49
<b>Pre-tax profit</b>	<b>(Btmn)</b>	<b>(31)</b>	<b>505</b>	<b>773</b>	<b>1,091</b>	<b>(40)</b>	<b>605</b>	<b>742</b>	<b>888</b>
Corporate tax	(Btmn)	133	15	91	136	82	97	119	142
Equity a/c profits	(Btmn)	29	62	86	47	(87)	(29)	(30)	(32)
Minority interests	(Btmn)	0	0	0	0	0	0	0	0
<b>Core profit</b>	<b>(Btmn)</b>	<b>(135)</b>	<b>552</b>	<b>768</b>	<b>1,002</b>	<b>(209)</b>	<b>479</b>	<b>593</b>	<b>714</b>
Extra-ordinary items	(Btmn)	229	8	(438)	(49)	8	0	0	0
<b>Net Profit</b>	<b>(Btmn)</b>	<b>94</b>	<b>560</b>	<b>330</b>	<b>953</b>	<b>(202)</b>	<b>479</b>	<b>593</b>	<b>714</b>
EBITDA	(Btmn)	550	1,257	1,534	1,744	520	1,180	1,311	1,452
<b>Core EPS</b>	<b>(Btmn)</b>	<b>(0.13)</b>	<b>0.54</b>	<b>0.75</b>	<b>0.98</b>	<b>(0.20)</b>	<b>0.47</b>	<b>0.58</b>	<b>0.70</b>
Net EPS	(Bt)	0.09	0.55	0.32	0.93	(0.20)	0.47	0.58	0.70
DPS	(Bt)	0.35	0.35	0.35	0.50	0.10	0.24	0.29	0.28

### Balance Sheet

FY December 31	Unit	2019	2020	2021	2022	2023	2024F	2025F	2026F
Total current assets	(Btmn)	6,712	6,127	6,647	6,537	6,863	7,408	8,124	8,701
Total fixed assets	(Btmn)	6,219	7,112	6,870	7,096	6,818	6,518	6,219	5,920
<b>Total assets</b>	<b>(Btmn)</b>	<b>12,931</b>	<b>13,239</b>	<b>13,517</b>	<b>13,633</b>	<b>13,681</b>	<b>13,926</b>	<b>14,343</b>	<b>14,621</b>
Total loans	(Btmn)	1,770	1,330	764	945	1,689	1,462	1,501	1,299
Total current liabilities	(Btmn)	1,849	1,886	3,044	1,969	1,954	2,050	2,088	2,151
Total long-term liabilities	(Btmn)	1,434	1,360	503	1,337	1,908	1,680	1,716	1,514
<b>Total liabilities</b>	<b>(Btmn)</b>	<b>3,283</b>	<b>3,246</b>	<b>3,546</b>	<b>3,306</b>	<b>3,862</b>	<b>3,730</b>	<b>3,804</b>	<b>3,665</b>
Paid-up capital	(Btmn)	9,725	9,725	9,725	9,725	9,725	9,725	9,725	9,725
<b>Total equity</b>	<b>(Btmn)</b>	<b>9,648</b>	<b>9,993</b>	<b>9,970</b>	<b>10,327</b>	<b>9,819</b>	<b>10,196</b>	<b>10,539</b>	<b>10,957</b>
<b>BVPS</b>	<b>(Bt)</b>	<b>9.43</b>	<b>9.76</b>	<b>9.74</b>	<b>10.09</b>	<b>9.59</b>	<b>9.96</b>	<b>10.30</b>	<b>10.70</b>

### Cash Flow Statement

FY December 31	Unit	2019	2020	2021	2022	2023	2024F	2025F	2026F
Core Profit	(Btmn)	(135)	552	768	1,002	(209)	479	593	714
Depreciation and amortization	(Btmn)	514	683	712	604	502	506	510	515
Operating cash flow	(Btmn)	630	391	1,120	1,733	360	675	999	1,056
Investing cash flow	(Btmn)	(143)	(152)	(268)	(1,292)	(942)	(198)	(203)	(208)
Financing cash flow	(Btmn)	(563)	(807)	(1,084)	(569)	285	(330)	(211)	(499)
<b>Net cash flow</b>	<b>(Btmn)</b>	<b>(76)</b>	<b>(568)</b>	<b>(231)</b>	<b>(127)</b>	<b>(297)</b>	<b>147</b>	<b>586</b>	<b>350</b>

### Key Financial Ratios

FY December 31	Unit	2019	2020	2021	2022	2023	2024F	2025F	2026F
Gross margin	(%)	5.8	7.4	7.4	7.8	3.4	6.9	7.4	7.8
Operating margin	(%)	(0.6)	2.8	3.6	4.2	(0.4)	3.1	3.6	4.0
EBITDA margin	(%)	4.2	6.9	7.3	7.0	2.9	5.9	6.3	6.6
EBIT margin	(%)	0.3	3.2	3.9	4.5	0.1	3.3	3.8	4.2
Net profit margin	(%)	0.7	3.1	1.6	3.8	(1.1)	2.4	2.8	3.2
ROE	(%)	(1.4)	5.6	7.7	9.9	(2.1)	4.8	5.7	6.6
ROA	(%)	(1.0)	4.2	5.7	7.4	(1.5)	3.5	4.2	4.9
Net D/E	(x)	(0.2)	(0.1)	(0.1)	(0.2)	(0.1)	(0.2)	(0.2)	(0.3)
Interest coverage	(x)	8.1	18.2	31.0	35.3	9.1	17.2	22.4	29.8
Debt service coverage	(x)	1.4	2.5	2.5	2.1	3.6	4.0	4.6	5.2
Payout Ratio	(%)	381.1	64.0	108.5	53.7	(50.8)	52.1	50.0	40.0

### Main Assumptions

FY December 31	Unit	2019	2020	2021	2022	2023	2024F	2025F	2026F
ME - sales volume	(kt)	481	463	374	339	370	389	408	400
FA - sales volume	(kt)	97	95	86	97	97	98	98	90
Spread B100 - CPO	(Bt/kg)	7.6	8.7	9.4	10.0	7.9	7.9	7.9	9.0
Spread CPKO-CPO	(Bt/kg)	1.4	(3.8)	7.5	6.3	6.3	6.4	6.4	6.4
Spread FA-CPKO	(Bt/kg)	19.7	15.2	18.4	30.0	21.7	24.8	24.8	24.1
FX	(Bt/US\$)	31.06	31.29	31.99	35.04	34.80	35.50	35.50	35.50

## Financial statement

### Profit and Loss Statement

FY December 31	Unit	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23
Total revenue	(Btmn)	7,316	7,503	5,761	4,505	4,662	4,744	3,940	4,374
Cost of goods sold	(Btmn)	6,585	6,784	5,401	4,349	4,463	4,539	3,991	4,127
<b>Gross profit</b>	<b>(Btmn)</b>	<b>731</b>	<b>719</b>	<b>360</b>	<b>155</b>	<b>199</b>	<b>205</b>	<b>(51)</b>	<b>247</b>
SG&A	(Btmn)	190	216	239	259	190	194	173	113
Other income	(Btmn)	15	8	28	29	18	22	22	25
Interest expense	(Btmn)	11	13	12	13	13	14	13	17
<b>Pre-tax profit</b>	<b>(Btmn)</b>	<b>545</b>	<b>497</b>	<b>137</b>	<b>(88)</b>	<b>14</b>	<b>19</b>	<b>(215)</b>	<b>142</b>
Corporate tax	(Btmn)	85	84	43	(76)	20	13	(2)	51
Equity a/c profits	(Btmn)	5	38	(6)	11	48	(25)	(53)	(56)
Minority interests	(Btmn)	0	0	0	0	0	0	0	0
<b>Core profit</b>	<b>(Btmn)</b>	<b>465</b>	<b>451</b>	<b>87</b>	<b>(1)</b>	<b>41</b>	<b>(19)</b>	<b>(266)</b>	<b>34</b>
Extra-ordinary items	(Btmn)	22	(29)	(17)	(24)	(1)	26	3	(20)
<b>Net Profit</b>	<b>(Btmn)</b>	<b>487</b>	<b>422</b>	<b>70</b>	<b>(25)</b>	<b>40</b>	<b>7</b>	<b>(262)</b>	<b>14</b>
EBITDA	(Btmn)	713	664	303	64	157	163	(77)	278
<b>Core EPS</b>	<b>(Bt)</b>	<b>0.45</b>	<b>0.44</b>	<b>0.09</b>	<b>(0.00)</b>	<b>0.04</b>	<b>(0.02)</b>	<b>(0.26)</b>	<b>0.03</b>
Net EPS	(Bt)	0.48	0.41	0.07	(0.02)	0.04	0.01	(0.26)	0.01

### Balance Sheet

FY December 31	Unit	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23
Total current assets	(Btmn)	7,277	6,887	6,361	6,537	6,207	6,095	6,170	6,863
Total fixed assets	(Btmn)	6,721	7,081	6,998	7,096	7,029	6,961	6,875	6,818
<b>Total assets</b>	<b>(Btmn)</b>	<b>13,998</b>	<b>13,967</b>	<b>13,359</b>	<b>13,633</b>	<b>13,236</b>	<b>13,056</b>	<b>13,045</b>	<b>13,681</b>
Total loans	(Btmn)	813	962	963	945	945	907	1,340	1,689
Total current liabilities	(Btmn)	2,998	2,498	2,076	1,969	1,530	1,683	1,604	1,954
Total long-term liabilities	(Btmn)	543	948	949	1,337	1,339	1,254	1,688	1,908
<b>Total liabilities</b>	<b>(Btmn)</b>	<b>3,541</b>	<b>3,446</b>	<b>3,025</b>	<b>3,306</b>	<b>2,869</b>	<b>2,938</b>	<b>3,292</b>	<b>3,862</b>
Paid-up capital	(Btmn)	9,725	9,725	9,725	9,725	9,725	9,725	9,725	9,725
<b>Total equity</b>	<b>(Btmn)</b>	<b>10,457</b>	<b>10,521</b>	<b>10,335</b>	<b>10,327</b>	<b>10,367</b>	<b>10,118</b>	<b>9,752</b>	<b>9,819</b>
<b>BVPS</b>	<b>(Bt)</b>	<b>10.22</b>	<b>10.28</b>	<b>10.10</b>	<b>10.09</b>	<b>10.13</b>	<b>9.88</b>	<b>9.53</b>	<b>9.59</b>

### Cash Flow Statement

FY December 31	Unit	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23
Core Profit	(Btmn)	465	451	87	(1)	41	(19)	(266)	34
Depreciation and amortization	(Btmn)	157	153	154	139	130	129	125	119
Operating cash flow	(Btmn)	(334)	556	1,304	207	116	234	302	(290)
Investing cash flow	(Btmn)	31	(142)	(451)	(729)	367	(51)	(657)	(600)
Financing cash flow	(Btmn)	12	(243)	(293)	(44)	(27)	(318)	304	325
<b>Net cash flow</b>	<b>(Btmn)</b>	<b>(291)</b>	<b>171</b>	<b>560</b>	<b>(567)</b>	<b>456</b>	<b>(136)</b>	<b>(52)</b>	<b>(565)</b>

### Key Financial Ratios

FY December 31	Unit	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23
Gross margin	(%)	10.0	9.6	6.2	3.4	4.3	4.3	(1.3)	5.6
Operating margin	(%)	7.4	6.7	2.1	(2.3)	0.2	0.2	(5.7)	3.1
EBITDA margin	(%)	9.8	8.8	5.3	1.4	3.4	3.4	(2.0)	6.4
EBIT margin	(%)	7.6	6.8	2.6	(1.7)	0.6	0.7	(5.1)	3.6
Net profit margin	(%)	6.7	5.6	1.2	(0.6)	0.9	0.1	(6.7)	0.3
ROE	(%)	18.2	17.2	3.3	(0.1)	1.6	(0.7)	(10.7)	1.4
ROA	(%)	13.5	12.9	2.6	(0.0)	1.2	(0.6)	(8.1)	1.0
Net D/E	(x)	(0.1)	(0.1)	(0.2)	(0.2)	(0.2)	(0.2)	(0.2)	(0.1)
Interest coverage	(x)	65.2	50.3	25.1	4.8	12.4	11.4	(6.0)	16.0
Debt service coverage	(x)	0.9	0.9	0.6	0.1	1.6	1.6	(0.5)	1.9

### Main Assumptions

FY December 31	Unit	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23
ME - sales volume	(kt)	74	70	74	76	86	91	69	73
FA - sales volume	(kt)	24	25	28	21	22	22	24	29
Spread B100 - CPO	(Bt/kg)	10.3	11.5	10.3	8.0	8.1	8.0	7.9	7.7
Spread CPKO-CPO	(Bt/kg)	20.3	13.0	6.5	1.9	(0.4)	(1.5)	(0.6)	(2.4)
Spread FA-CPKO	(Bt/kg)	23.9	34.8	32.5	29.2	25.2	22.0	19.2	20.4
FX	(Bt/US\$)	33.05	34.39	36.41	36.33	33.94	34.46	35.17	35.63

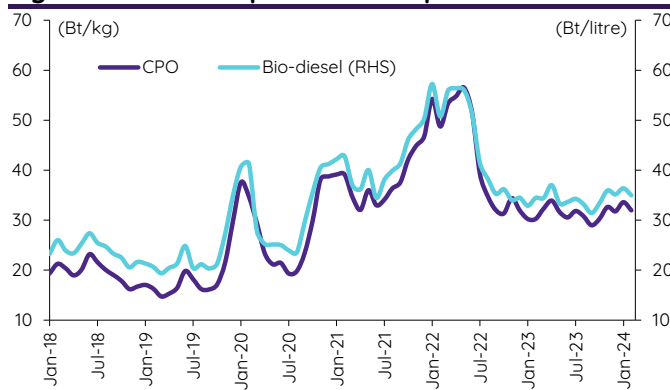
Figure 1: GGC - 4Q23 earnings review

	4Q22	3Q23	4Q23	%YoY	%QoQ	12M22	12M23	%YoY
<b>P&amp;L (Bt, mn)</b>								
Total revenue	4,505	3,940	4,374	(2.9)	11.0	25,084	17,719	(29.4)
Gross profit	155	(51)	247	59.2	n.a.	1,964	600	(69.4)
EBITDA	64	(77)	278	333.9	n.a.	1,744	520	(70.2)
Profit before extra items	(1)	(266)	34	n.a.	n.a.	1,002	(209)	n.a.
<b>Net Profit</b>	<b>(25)</b>	<b>(262)</b>	<b>14</b>	<b>n.a.</b>	<b>n.a.</b>	<b>953</b>	<b>(202)</b>	<b>n.a.</b>
EPS (Bt)	(0.02)	(0.26)	0.01	n.a.	n.a.	0.93	(0.20)	n.a.
<b>B/S (Bt, mn)</b>								
Total assets	13,633	13,045	13,681	0.4	4.9	13,633	13,681	0.4
Total liabilities	3,306	3,292	3,862	16.8	17.3	3,306	3,862	16.8
Total equity	10,327	9,752	9,819	(4.9)	0.7	10,327	9,819	(4.9)
BVPS (Bt)	10.09	9.53	9.59	(4.9)	0.7	10.09	9.59	(4.9)
<b>Financial ratio (%)</b>								
Gross margin (%)	3.4	(1.3)	5.6	2.2	6.9	7.8	3.4	(4.4)
EBITDA margin (%)	1.4	(2.0)	6.4	4.9	8.3	7.0	2.9	(4.0)
Net profit margin (%)	(0.6)	(6.7)	0.3	0.9	7.0	3.8	(1.1)	(4.9)
ROA (%)	(0.0)	(8.1)	1.0	1.1	9.2	7.0	(1.5)	(8.5)
ROE (%)	(0.1)	(10.7)	1.4	1.5	12.1	9.4	(2.0)	(11.4)
D/E (X)	0.3	0.3	0.4	7.3	5.6	0.3	0.4	7.3

Source: GGC and InnovestX Research

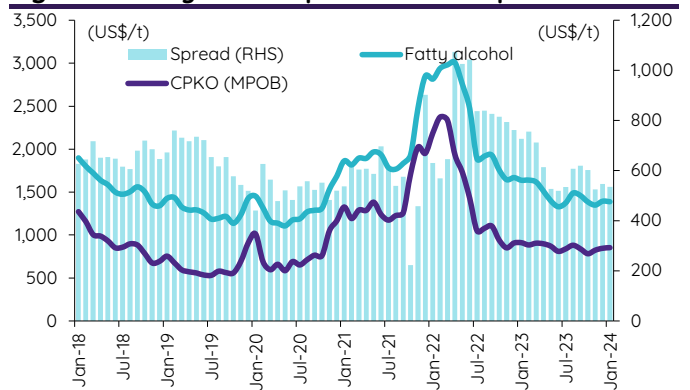
Appendix

Figure 2: Biodiesel price vs. CPO price



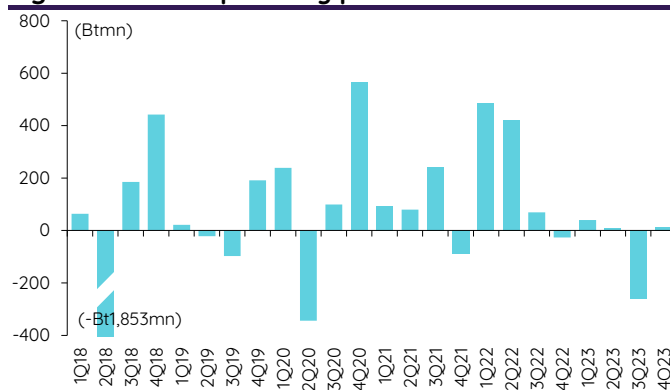
Source: EPPO, DIT and InnovestX Research

Figure 3: Fatty alcohol price vs. CPKO price



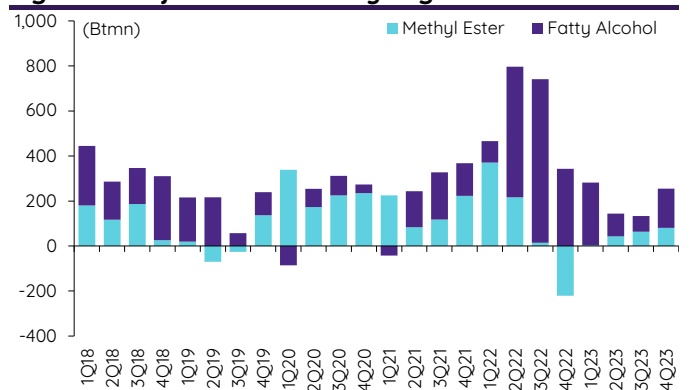
Source: GGC and InnovestX Research

Figure 4: GGC - quarterly profit



Source: GGC and InnovestX Research

Figure 5: Adjusted EBITDA by segment



Source: GGC and InnovestX Research

Figure 6: Valuation summary (price as of Feb 12, 2024)

	Rating	Price (Bt/Sh)	Target (Bt/Sh)	ETR (%)	P/E (x)			EPS growth (%)			P/BV (x)			ROE (%)			Div. Yield (%)			EV/EBITDA (x)		
					22A	23F	24F	22A	23F	24F	22A	23F	24F	22A	23F	24F	22A	23F	24F	22A	23F	24F
GGC	Underperform	8.60	10.0	17.4	8.8	n.m.	18.4	30	n.m.	n.m.	0.9	0.9	0.9	10	(2)	5	5.8	1.2	2.8	4.0	14.2	6.0
IVL	Neutral	24.30	35.0	45.3	3.5	50.7	10.6	44	(93)	377	0.7	0.7	0.7	22	1	7	6.6	1.2	2.9	4.3	7.2	5.1
PTTGC	Neutral	35.25	50.0	44.7	11.5	n.m.	13.0	(57)	n.m.	n.m.	0.5	0.6	0.5	4	(1)	4	2.8	2.8	4.0	8.7	9.5	7.3
<b>Average</b>					<b>7.9</b>	<b>50.7</b>	<b>14.0</b>	<b>6</b>	<b>(93)</b>	<b>377</b>	<b>0.7</b>	<b>0.7</b>	<b>0.7</b>	<b>12</b>	<b>(1)</b>	<b>5</b>	<b>5.1</b>	<b>1.7</b>	<b>3.2</b>	<b>5.7</b>	<b>10.3</b>	<b>6.1</b>

Source: InnovestX Research

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**CG Rating 2023 Companies with CG Rating**

**Companies with Excellent CG Scoring**

7UP, 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, AUCTION, 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, EPG, ERW, ETC, ETE, FE, FLOYD, FN, FPI, FPT, FSX, FVC, GBX, GC, GCAP, GENCO, GFPT, GGC, GLAND, GLOBAL, GPSC, GRAMMY, GULF, GUNKUL, HANA, HARN, HENG, HMPPRO, HPT, HTC, ICC, ICHI, ICN, III, ILINK, ILM, IMH, IND, INET, INTUCH, IP, IRC, IRPC, ITC, ITTEL, 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<sup>1</sup>, 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, SCB, SCC, SCCC, SCG, SCGP, SCM, SDC, SEAFCO, SEAOL, 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, SPALI, SPC, SPCG, SPI, SPRC, SR, SSC, SSF, SSSC, STA, STC, STEC, STGT, STI, SUC, SUN, SUSCO, SUTHA, SVI, SVT, SYMC, SYNEX, SYNTEC, TACC, TAE, TCAP, TCMC, TEAMG, TEGH, TFG, TFMAMA, TGE, TGH, THANA, THANI, THCOM, THIP, THRE, THREL, TIDLOR, TIPH, TISCO, TK, TKN, TKS, TKT, TLI, TM, TMD, TMT, TNDT, TNITY, TNL, TNR, TOA, TOG, TOP, TPBI, TPCS, TPIPL, TPIPP, TPL, TPOLY, TQP, TR, TRC, TRU, TRUBB, TRV, TSC, TSTE, TSTH, TTA, TTB, TTCL, TTW, TURTLE, TVDH, TVH, TVO, TVT, TWPC, UAC, UBE, UBIS, UKEM, UP, UPF, UPOIC, UV, VCOM, VGI, VIBHA, VIH, VL, WACOAL, WGE, WHA, WHAUP, WICE, WINMED, WINNER, XPG, YUASA, ZEN

**Companies with Very Good CG Scoring**

2S, A5, AAI, AIE, ALUCON, AMR, APURE, ARIN, AS, ASIA, ASIAN, ASIMAR, ASN, AURA, BR, BSBM, BTG, CEN, CGH, CH, CHIC, CI, CIG, CMC, COMAN, CSP, DOD, DPAINT, DV8, EFORL, EKH, ESSO, 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, NTSCO, 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, TCCC<sup>3</sup>, TEAM, TFI, TIGER, TITL, 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 (ได้รับรับรอง)**

2S, 7UP, AAI, ADVANC, AF, AH, AI, AIE, AIRA, AJ, AKP, AMA, AMANAH, AMATA, AMATAV, AP, APCS, AS, ASIAN, ASK, ASP, AWC, AYUD, B, BAFS, BAM, BANPU, BAY, BBGI, BBL, BCH, BCP, BCPG, BE8, BEC, BEYOND, BGC, BGRIM, BKI, BLA, BPP, BROOK, BRR, BSBM, BTS, BWG, CEN, CENTEL, CFRESH, CGH, CHEWA, CHOTI, CHOW, CIG, CIMBT, CM, CMC, COM7, CPALL, CPAXT, CPF, CPI, CPL, CPN, CPW, CRC, CSC, DCC, DELTA, DEMCO, DIMET, DOHOME, DRT, DUSIT, EA, EASTW, ECF, EGCO, EP, EPG, ERW, ESTAR, ETC, ETE, FNS, FPI, FPT, FSMART, FTE, GBX, GC, GCAP, GEL, GFPT, GGC, GJS, GPI, GPSC, GSTEEL, GULF, GUNKUL, HANA, HARN, HENG, HMPPRO, HTC, ICC, ICHI, IFS, III, ILINK, ILM, INET, INOX, INSURE, INTUCH, IRPC, ITTEL, IVL, JAS, JKN, JR, JTS, KASET, KBANK, KBS, KCAR, KCC, KCE, KGEN, KGI, KKP, KSL, KTB, L&E, LANNA, LHFG, LHK, LPN, LRH, M, MAJOR, MALEE, MATCH, MBAX, MBK, MC, MCOT, META, MFC, MFEC, MILL, MINT, MONO, MOONG, MSC, MST, MTC, MTI, NATION, NCAP, NEP, NKI, NOBLE, NRF, NWR, OCC, OGC, OR, ORI, PAP, PATO, PB, PCSGH, PDG, PDJ, PG, PHOL, PIMO, PK, PL, PLANB, PLANET, PLAT, PM, PPP, PPPM, PPS, PR9, PREB, PRG, PRINC, PRM, PROS, PSH, PSL, PSTC, PT, PTECH, PTG, PTT, PTTEP, PTTGC, PYLON, Q-CON, QH, QLT, QTC, RABBIT, RATCH, RML, RS, RWI, S&J, SAAM, SABINA, SAK, SAPPE, SAT, SC, SCC, SCCC, SCG, SCGP, SCM, SCN, SEAOL, SE-ED, SELIC, SENA, SGC, SGP, SIRI, SITHAI, SKR, SMIT, SMK, SMPC, SNC, SNP, SORKON, SPACK, SPALI, SPC, SPI, SPRC, SRICHA, SSF, SSP, SSSC, SST, STA, STGT, STOWER, SUSCO, SVI, SYMC, SYNTEC, TAE, TAKUNI, TASCO, TCAP, TCMC, TFG, TFI, TFMAMA, TGE, TGH, THANI, THCOM, THIP, THRE, THREL, TIDLOR, TIPCO, TISCO, TKS, TKT, TMD, TMILL, TMT, TNITY, TNL, TNP, TNR, TOG, TOP, TOPP, TPA, TPCS, TRT, TRU, TSC, TSI, TSTE, TSTH, TTA, TTB, TTCL, TU, TVDH, TVO, TWPC, UBE, UBIS, UEC, UKEM, UOBKH, UV, VCOM, VGI, VIH, WACOAL, WHA, WHAUP, WICE, WIIK, XO, YUASA, ZEN, ZIGA

**Declared (ได้ประกาศ)**

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, OTO, 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, APP, APURE, AQUA, ARIN, ARIP, ARROW, ASAP, ASEFA, ASIA, ASIMAR, ASN, ATP30, AU, AUCTION, AURA, B52, BA, BBIK, BC, BCT, BDMS, BEAUTY, BEM, BGT, BH, BIG, BIOTEC, BIS, BIZ, BJC, BJCHI, BKG, BLESS, BLISS, BM, BOL, BR, BRI, BROCK, BSM, BSRC, BTNC, BTW, BUI, BVG, CCET, CCP, CEYE, CGD, CH, 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, DTCL, DV8, EASON, ECL, EE, EFORL, EMC, ETL, EVER, F&D, FANCY, FE, FLOYD, 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, IFEC, IIG, IMH, IND, INGRS, INSET, IP, IRC, IRCP, IT, ITD, ITNS, ITTHI, JAK, JCK, JCHK, JCT, JDF, JPARK, JSP, JUBILE, K, KAMART, KC, KCG, KCM, KDH, KEX, KIAT, KISS, KJL, KK, KKC, KLINI, KOOL, KTIS, KTMS, KUMWEL, KUN, KWC, KWI, KWM, KYE, LALIN, LDC, LEE, LIT, LOXLEY, LPH, LST, 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, NC, NCH, NCL, NDR, NETBAY, NEW, NEWS, NFC, NNCL, NOK, NOVA, NPK, NSL, NTSC, NTV, NUSA, NV, NVD, NYT, OHTL, ONEE, ORN, PACE, PACO, PAF, PCC, PEACE, PERM, PF, PHG, PICO, PIN, PJW, PLE, PLT, PMTA, POLAR, POMPU, PORT, POST, PPM, PRAKIT, PRAPAT, PRECHA, PRI, PRIN, PRO, PROUD, PSG, PSP, PTC, PTL, 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, SPVI, SQ, SR, SRS, SSC, SSS, STANLY, STARK, STC, STEC, STECH, STHAI, STI, STP, STPI, SUK, SUN, SUPER, SUTHA, SVR, SVT, SWC, SYNEX, TACC, TAN, TAPAC, TC, TCC, TCJ, TCOAT, TEAM, TEAMG, TEKA, TFM, TGPRO, TH, THAI, THANA, THE, THG, THMUI, TIGER, TITL, 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, 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.