EQUITY RESEARCH - COMPANY REPORT

CH.KARNCHANG CK TB THAILAND / CONSTRUCTION SERVICES

3Q23 core profit hit its six-year peak

- 3Q23 core profit came in at THB641m (+32% q-q, +19% y-y) due to continuously high construction revenue, supported by a seasonal profit recovery of its subsidiaries.
- Maintain our 2023E normalized earnings (+63% y-y) but cut our 2024-25 estimate to +30% y-y and +8% y-y, respectively.
- Retain our BUY rating at our 2024 TP of THB26 (SOTP).

3Q23 core profit jumped 32% q-q and 19% y-y

CK reported a 3Q23 net profit of THB641m (+32% q-q, +12% y-y). Excluding extra items, the normalized earnings jumped 32% q-q and 19% y-y. It increased q-q due to higher profit sharing from associates. In particular, CKP benefited from the rainy season, while BEM reported higher traffic and ridership. Also, it soared y-y due mainly to sharply higher construction revenue growth. Specifically, construction revenue remained high at THB8.9b (-3% q-q, +144% y-y) due to the realization of the Luang Prabang hydropower plant from 1Q23 and the progress of the South Purple Line and Den Chai double-track project, while the gross margin stood at 7.4%, close to 2Q23. Also, CK recorded contributions from its subsidiaries. In particular, it recognized dividends earned of THB232m from TTW and profit sharing of THB595m from associates. It surged by 133% q-q due to seasonality but plunged 19% y-y due to the impact of El Niño. Interest expenses sharply increased by 35% y-y to THB480m due to advanced payments in the Luang Prabang hydropower plant, which the project owner promised to repay afterward.

Maintain 2023 estimate but cut 2024-25 forecasts due to lower-thanexpected earnings from subsidiaries

We have adjusted our assumptions for 2023-2025. Specifically, we have increased our construction revenue estimate to reflect the sooner-than-expected progress on the Luang Prabang hydropower project. However, we have slashed our forecast for profit sharing from associates, including BEM and CKP. As a result, we maintain our 2023E normalized earnings of THB1.4b (+63% y-y). However, we have cut our 2024-2025 projection by 22-27% to THB1.9b (+80% y-y) and THB2b (+8% y-y). In 4Q23, we expect the core profit to jump y-y from a loss of THB75m in 4Q22. However, it should decrease q-q due to an absence of dividends earned from TTW, a slowdown in the performance of BEM (due to several holidays), and CKP (in line with lower water levels), while construction should remain high.

High backlog plus the potential to sign new contracts

CK has a high-end-3Q23 backlog of THB140b, equaling 3-4 years of revenue. Meanwhile, CK has the potential to sign many more new sizable contracts. In particular, the Orange Line (THB110b) is waiting for a ruling from the Supreme Administrative Court. Also, several new auctions should see concrete progress in 2024, such as the double-track project phase 2 (Khon Kaen - Nong Khai). It has a project value of THB30b, and the cabinet has approved it.

Maintain BUY on solid fundamentals

We retain our BUY call at our 2024 TP of THB26 (SOTP) due to our positive view of its core contractor unit. Its core operation should make a turnaround in 2023, the first in four years. Also, revenue should accelerate to form an S-Curve growth, supported by the strength of its associates. Meanwhile, the progress of new projects, especially the Orange Line, will provide a catalyst for its share price.



Thanyatorn Songwutti

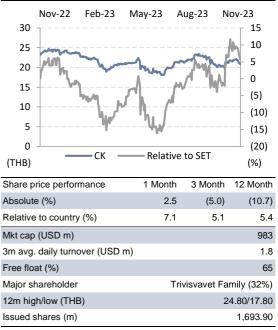
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TARGET PRICE	THB26.00
CLOSE	THB20.90
UP/DOWNSIDE	+24.4%
PRIOR TP	THB26.00
CHANGE IN TP	UNCHANGED
TP vs CONSENSUS	-2.1%

KEY STOCK DATA

YE Dec (THB m)	2022	2023E	2024E	2025E
Revenue	18,097	35,736	40,460	41,825
Net profit	1,105	1,485	1,862	2,019
EPS (THB)	0.65	0.88	1.10	1.19
vs Consensus (%)	-	(7.7)	(10.1)	(29.3)
EBITDA	1,438	2,697	2,983	3,077
Recurring net profit	882	1,436	1,862	2,019
Core EPS (THB)	0.52	0.85	1.10	1.19
Chg. In EPS est. (%)	-	0.6	(22.2)	(27.1)
EPS growth (%)	783.4	62.7	29.7	8.4
Core P/E (x)	40.1	24.7	19.0	17.5
Dividend yield (%)	1.2	1.7	2.1	2.3
EV/EBITDA (x)	52.2	27.3	25.0	24.2
Price/book (x)	1.5	1.4	1.4	1.3
Net debt/Equity (%)	160.3	146.2	144.5	139.2
ROE (%)	3.6	5.9	7.3	7.6



Sources: Bloomberg consensus; FSSIA estimates

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Investment thesis

In 2019-22, CK's core profit was below THB1b from construction operating losses and a shrinking backlog due to fewer new projects. Moreover, its share of profits from BEM plunged due to the Covid-19 situation.

However, we think that CK is on the path to better performance in 2023. CK's overall operations this year should be driven by the construction business recovery, solid backlog prospects, and promising earnings from its associates, especially from BEM's expected higher 2023 profit following the traffic and ridership recovery.

Company profile

CH. Karnchang (CK) was incorporated in 1972 as a construction contractor. The company has experience and expertise in engineering and construction of all categories, such as infrastructure construction work. Moreover, the company has invested in the comprehensive infrastructure project development business, which includes Bangkok Expressway and Metro (BEM TB, NR), CK Power (CKP TB, NR), and TTW (TTW TB, NR) as associated companies.

www.ch-karnchang.co.th

Catalysts

Contracts for new projects, especially the Orange Line, and higher expected contributions from associates, are key potential growth drivers.

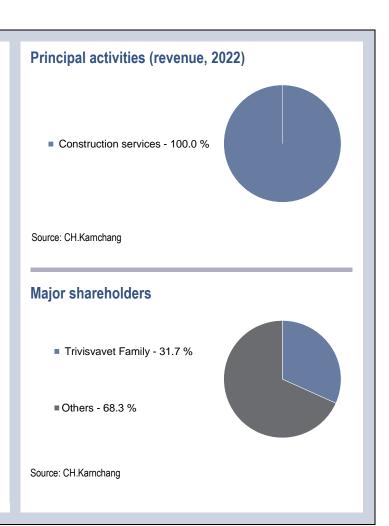
Risks to our call

Key downside risks to our SoTP-based TP include 1) delays in the signing of the Luang Prabang hydropower plant and Orange Line projects; 2) fewer new projects than expected; 3) political uncertainty; 4) delays in construction; 5) labour shortages; 6) higher raw material and labour costs; and 7) intense competition.

Event calendar

 Date
 Event

 February 2024
 4Q23 results announcement



key assumptions		
	2023E	2024E
Construction revenue (THB m)	35,736	40,460
GPM (%)	7.2	7.4
SG&A to sales (%)	5.4	8.0

Source: FSSIA estimates

17 C

Associates (THB m)

Dividend income (THB m)

Earnings sensitivity

 For every 5% increase in revenue, we estimate 2024 net profit to rise by 6.4%, and vice versa, all else being equal.

1,371

465

1.595

465

- For every 0.25% increase in GPM, we estimate 2024 net profit to rise by 4.3%, and vice versa, all else being equal.
- For every 5% increase in SG&A, we estimate 2024 net profit to fall by 4.2%, and vice versa, all else being equal.
- For every 5% increase in share profit from associates, we estimate 2024 net profit to rise by 4.3 %, and vice versa, all else being equal.

Source: FSSIA estimates



2025E

41.825

7.4 4.7

1.681

465

Exhibit 1: 3Q23 results summary

	3Q22	4Q22	1Q23	2Q23	3Q23	Change	·
	(THB m)	(q- q%)	(y-y%)				
Total revenue	3,663	3,920	9,425	9,220	8,925	(3.2)	143.7
Cost of sales	3,414	3,617	8,756	8,541	8,267	(3.2)	142.1
Gross profit	248	303	669	679	658	(3.1)	165.1
SG&A	480	481	495	470	533	13.4	10.9
Operating profit	(232)	(178)	174	209	125	(40.0)	na
Other income	422	224	217	545	440	(19.2)	4.4
Interest expense	355	362	396	474	480	1.2	35.2
Tax expense	(19)	8	(10)	(23)	(19)	na	na
Associates	736	241	200	255	595	133.1	(19.1)
Reported net profit	571	112	217	486	641	31.9	12.2
Core profit	536	(75)	169	486	641	31.9	19.5
Key ratios (%)						(ppt)	(ppt)
Gross margin	6.8	7.7	7.1	7.4	7.4	0.3	0.3
SG&A / Sales	13.1	12.3	5.2	5.1	6.0	(0.2)	(9.2)
Operating margin	(6.3)	(4.5)	1.9	2.3	1.4	0.4	9.5
Net margin	15.6	2.9	2.3	5.3	7.2	3.0	(3.3)
Norm margin	14.6	(1.9)	1.8	5.3	7.2	3.5	(3.3)

Sources: CK; FSSIA's compilation

Exhibit 2: Quarterly revenue and GPM

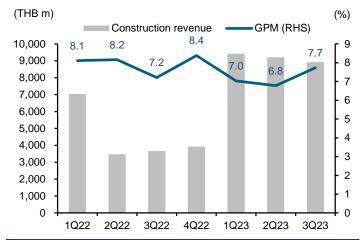
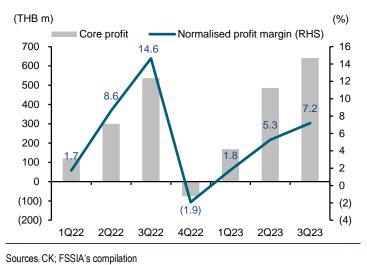


Exhibit 3: Quarterly core profit and normalised profit margin



Sources: CK; FSSIA's compilation

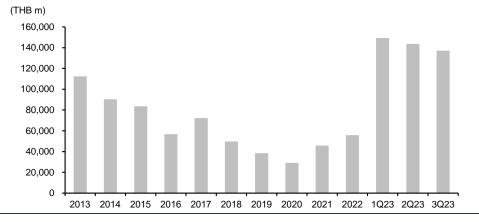
Exhibit 4: Key assumptions for CK

		Current			Previous			- Change	
	2023E	2024E	2025E	2023E	2024E	2025E	2023E	2024E	2025E
	(THB m)	(THB m)	(%)	(%)	(%)				
Revenue from construction services (THB m)	35,736	40,460	41,825	20,696	31,720	37,517	73	28	11
Cost of construction services (THB m)	33,163	37,466	38,730	19,112	29,277	34,628	74	28	12
Gross margin (%)	7.2	7.4	7.4	7.7	7.7	7.7	(0.5)	(0.3)	(0.3)
SG&A (THB m)	1,946	1,966	1,975	1,908	1,917	1,955	2	3	1
SG&A to revenue (%)	5.4	8.0	4.7	9.2	8.0	5.2	(3.8)	0.0	(0.5)
Other income (THB m)	1,420	1,300	1,300	1,315	1,265	1,265	8	3	3
Interest expense (THB m)	1,812	1,869	1,873	1,472	1,469	1,494	23	27	25
Share of profit/loss from associates (THB m)	1,371	1,595	1,681	1,955	2,155	2,225	(30)	(26)	(24)
Core profit (THB m)	1,436	1,862	2,019	1,427	2,394	2,769	1	(22)	(27)
Net profit (THB m)	1,485	1,862	2,019	1,427	2,394	2,769	4	(22)	(27)

Source: FSSIA estimates

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Exhibit 5: Backlog



Sources: CK; FSSIA's compilation

Exhibit 6: Key projects targeted in 2023-2024

	Construction	Project			Activi	ties	
Projects	Value (MB)	Owner	Project Progress	Q3/23	Q4/23	Q1/24	Q2/24
MRT Orange Line : Taling Chan - Thailand Cultural Centre (Western Extension)	109,216	MRTA	Considerations for Proposals	Signing & Construction			
Red Line : Taling chan - Salaya	10,670						
Red Line : Taling chan - Siriraj Hospital	4,694]		Waiting for a New Cabinet Continues the Proje		ect	
Red Line : Rangsit - Thammasat University	6,469	SRT	RT Cabinet Approved	T Cabinet Approved			
Red Line : Bang Sue Hua Mark & Bang Sue - HuaLamphong (Missing Link)	44,158			Modifyi	ng the Construction Dr	awing & Revised EIA	Process
Double Track : Khonkaen – Nong Khai	28,759	SRT	To Submit to MOT		Waiting for a New	Cabinet Approval	
Double Track : Chira Junction – Ubonratchathani	36,000	SRT	To Submit to MOT	Under MOT Process			
Double Track : Pak nam Pho — Den Chai	62,800	SRT	To Submit to MOT		Under MO	T Process	
Motorway : Western Outer Ring Road - Bang Khun Thian - Bang Bua Thong (M9)	46,000	DOH	Submit to PPP Board		Waiting for a New	Cabinet Approval	
Mortorway : Nakhon Pathom - Cha-am (M8)	61,000	DOH	Preparing PPP Report		Revised El/	A Process	
Motorway : Rangsit- Bang pa - in (M5)	25,000	DOH	Preparing PPP Report		Waiting for a New	Cabinet Approval	
Bangkok International Airport Phase 3	36,829	ΑΟΤ	Cabinet Approved	Survey & Design Process			
Bridge over Songkhla Lake	4,829	DOR	EIA Approved	Waiting for a New Cabinet Approval			
Total	490,424		II				

Source: CK

Exhibit 7: Historical P/E band

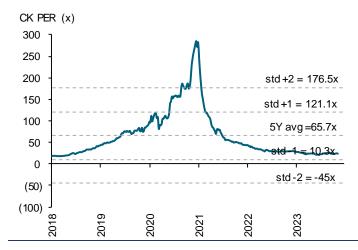


Exhibit 8: Historical P/BV band



Sources: Bloomberg; FSSIA estimates

Sources: Bloomberg; FSSIA estimates

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14 NOVEMBER 2023

Financial Statements

CH.Karnchang

Profit and Loss (THB m) Year Ending Dec	2021	2022	2023E	2024E	2025E
Revenue	12,199	18,097	35,736	40,460	41,825
Cost of goods sold	(11,235)	(16,711)	(33,163)	(37,466)	(38,730)
Gross profit	963	1,386	2,573	2,994	3,095
Other operating income	1,415	1,341	1,420	1,300	1,300
Operating costs	(1,915)	(1,927)	(1,946)	(1,966)	(1,975)
Operating EBITDA	1,158	1,438	2,697	2,983	3,077
Depreciation	(695)	(638)	(651)	(654)	(658)
Goodwill amortisation	0	0	0	0	(
Operating EBIT	463	800	2,047	2,328	2,420
Net financing costs	(1,386)	(1,411)	(1,812)	(1,869)	(1,873)
Associates	1,088	1,530	1,371	1,595	1,681
Recurring non-operating income	1,088	1,530	1,371	1,595	1,681
Non-recurring items	806	222	49	0	C
Profit before tax	971	1,142	1,655	2,054	2,228
Tax	(38)	(21)	(71)	(92)	(109
Profit after tax	933	1,121	1,585	1,962	2,119
Minority interests	(28)	(16)	(100)	(100)	(100
Preferred dividends	()	0	0	0	(100)
Other items	-	-	-	-	
Reported net profit	906	1,105	1,485	1,862	2,019
Non-recurring items & goodwill (net)	(806)	(222)	(49)	0	_,
Recurring net profit	100	882	1,436	1,862	2,019
	100		1,400	1,002	2,010
Per share (THB)	0.06	0.52	0.95	1 10	1.40
Recurring EPS *	0.06	0.52	0.85	1.10	1.19
Reported EPS	0.53	0.65	0.88	1.10	1.19
DPS	0.25	0.25	0.35	0.44	0.48
Diluted shares (used to calculate per share data)	1,694	1,694	1,694	1,694	1,694
Growth					
Revenue (%)	(27.2)	48.3	97.5	13.2	3.4
Operating EBITDA (%)	(24.1)	24.2	87.5	10.6	3.2
Operating EBIT (%)	(42.0)	72.8	155.8	13.8	3.9
Recurring EPS (%)	(70.4)	783.4	62.7	29.7	8.4
Reported EPS (%)	48.0	22.0	34.4	25.4	8.4
Operating performance					
Gross margin inc. depreciation (%)	7.9	7.7	7.2	7.4	7.4
Gross margin exc. depreciation (%)	13.6	11.2	9.0	9.0	9.0
Operating EBITDA margin (%)	9.5	7.9	7.5	7.4	7.4
Operating EBIT margin (%)	3.8	4.4	5.7	5.8	5.8
Net margin (%)	0.8	4.9	4.0	4.6	4.8
Effective tax rate (%)	3.9	1.8	4.3	4.5	4.9
Dividend payout on recurring profit (%)	424.0	48.0	41.4	40.0	40.0
nterest cover (X)	1.1	1.7	1.9	2.1	2.2
nventory days	167.4	161.3	129.3	129.7	98.4
Debtor days	88.7	48.6	38.6	48.1	50.3
Creditor days	83.3	57.0	49.5	63.0	65.7
Dperating ROIC (%)	2.7	4.2	9.6	10.0	10.0
ROIC (%)	1.9	2.8	4.1	4.5	4.7
ROE (%)	0.4	3.6	5.9	7.3	7.6
ROA (%)	1.5	2.4	3.2	3.5	3.8
* Pre-exceptional, pre-goodwill and fully diluted					
Revenue by Division (THB m)	2021	2022	2023E	2024E	2025E
Construction services	12,199	18,097	35,736	40,460	41,825
	12,199	10,097	33,730	40,400	41,025

Sources: CH.Karnchang; FSSIA estimates

Financial Statements CH.Karnchang

CH.Karnchang					
Cash Flow (THB m) Year Ending Dec	2021	2022	2023E	2024E	2025E
Recurring net profit	100	882	1,436	1,862	2,019
Depreciation	695	638	651	654	658
Associates & minorities	331	377	449	446	444
Other non-cash items Change in working capital	(1,109)	(2,237)	(381)	- (2,207)	- (1,538)
Cash flow from operations	16	(340)	2,154	756	1,582
Capex - maintenance	-	-	-	-	-
Capex - new investment Net acquisitions & disposals	(1,346)	-	(207)	(646)	(644)
Other investments (net)	-	233	-	-	-
Cash flow from investing	(1,346)	233	(207)	(646)	(644)
Dividends paid	-	(509)	(645)	(845)	(907)
Equity finance Debt finance	(821) 827	(2,031)	346	(179) 200	(126) 0
Other financing cash flows	531	2,835	(1,790)	- 200	-
Cash flow from financing	537	295	(2,089)	(824)	(1,033)
Non-recurring cash flows	-	-	-	-	-
Other adjustments Net other adjustments	0 0	0 0	0 0	0 0	0 0
Movement in cash	(793)	187	(142)	(715)	(96)
Free cash flow to firm (FCFF)	55.04	1,303.02	3,758.35	1,978.47	2,810.41
Free cash flow to equity (FCFE)	27.94	2,727.35	156.88	309.47	937.21
Per share (THB)					
FCFF per share	0.03	0.77	2.22	1.17	1.66
FCFE per share	0.02 0.66	1.61	0.09	0.18	0.55
Recurring cash flow per share	0.66	1.12	1.50	1.75	1.84
Balance Sheet (THB m) Year Ending Dec	2021	2022	2023E	2024E	2025E
Tangible fixed assets (gross)	17,891	18,625	18,141	18,247	18,352
Less: Accumulated depreciation	(5,996)	(6,798)	(7,204)	(7,764)	(8,327)
Tangible fixed assets (net) Intangible fixed assets (net)	11,895 0	11,827 0	10,936 0	10,482 0	10,025 0
Long-term financial assets	-	-	-	-	-
Invest. in associates & subsidiaries	50,910	49,847	49,947	50,047	50,147
Cash & equivalents	6,772	6,960	6,818	6,103	6,007
A/C receivable Inventories	2,273 6,094	2,549 8,112	5,003 14,923	5,664 11,240	5,856 9,295
Other current assets	4,930	5,436	10,821	12,238	9,295 12,648
Current assets	20,069	23,057	37,565	35,245	33,805
Other assets	546	420	441	463	486
Total assets Common equity	83,421 25,669	85,151 24,026	98,889 24,917	96,237 26,034	94,464 27,246
Minorities etc.	439	24,020 440	786	607	481
Total shareholders' equity	26,108	24,466	25,703	26,641	27,727
Long term debt	36,634	37,991	37,662	37,842	37,842
Other long-term liabilities Long-term liabilities	2,931 39,565	2,651 40,642	5,306 42,968	4,496 42,338	3,873 41,715
A/C payable	2,174	2,850	5,969	6,744	6,971
Short term debt	6,721	8,199	6,738	6,758	6,758
Other current liabilities	8,853	8,994	17,511	13,756	11,293
Current liabilities Total liabilities and shareholders' equity	17,748 83,421	20,043 85,151	30,218 98,889	27,258 96,237	25,022 94,464
Net working capital	2,270	4,253	7,267	8,642	9,534
Invested capital	65,621	66,347	68,592	69,634	70,193
* Includes convertibles and preferred stock which is being	g treated as debt				
Per share (THB)					
Book value per share	15.15	14.18	14.71	15.37	16.08
Tangible book value per share	15.15	14.18	14.71	15.37	16.08
Financial strength	140.4	160.0	146.0		400.0
Net debt/equity (%) Net debt/total assets (%)	140.1 43.9	160.3 46.1	146.2 38.0	144.5 40.0	139.2 40.9
Current ratio (x)	1.1	1.2	1.2	1.3	1.4
CF interest cover (x)	2.0	2.9	1.2	1.5	1.8
Valuation	2021	2022	2023E	2024E	2025E
Recurring P/E (x) *	354.5	40.1	24.7	19.0	17.5
Recurring P/E @ target price (x) *	441.0	49.9	30.7	23.6	21.8
Reported P/E (x) Dividend yield (%)	39.1 1.2	32.0 1.2	23.8 1.7	19.0 2.1	17.5 2.3
Price/book (x)	1.2	1.2	1.7	2.1 1.4	2.3 1.3
Price/tangible book (x)	1.4	1.5	1.4	1.4	1.3
EV/EBITDA (x) **	62.6	52.2	27.3	25.0	24.2
EV/EBITDA @ target price (x) ** EV/invested capital (x)	70.0 1.1	58.2 1.1	30.6 1.1	27.9 1.1	27.0 1.1
	DA includes associate				1.1
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Sources: CH.Karnchang; FSSIA estimates



CH Karnchang PCL (CK TB)

Exhibit 9: FSSIA ESG score implication

FSSIA ESG rating $\star \star$

38.06 /100

Rating	Score	Implication
****	>79-100	Leading its industry peers in managing the most significant ESG risks which not only better cost efficiency but also lead to higher profitability.
$\star \star \star \star$	>59-79	A mixed track record of managing the most significant ESG risks and opportunities relative to industry peers.
$\star \star \star$	>39-59	Relevant ESG materiality matrix has been constructively addressed, well-managed and incorporated into day-to-day operations, in which targets and achievements are evaluated annually.
**	>19-39	Relevant ESG materiality matrix has been identified with key management in charge for progress to be followed up on and to provide intensive disclosure. Most targets are conventional and achievable.
*	1-19	The company has adopted the United Nations Sustainable Development Goals (UN SDGs), established sustainability management guidelines and fully complies with regulations or ESG suggested guidance from related organizations such as the SET and SEC.

Sources: FSSIA estimates

Exhibit 10: ESG – peer comparison

	FSSIA			Domes	stic ratings					Glo	bal ratings	;		BI	oomberg
	ESG score	DJSI	SET THSI	THSI	CG score	AGM level	Thai CAC	Morningstar ESG risk	ESG Book	MSCI	Moody's	Refinitiv	S&P Global	ESG score	Disclosure score
SET100	69.20	5.34	4.40	4.40	4.76	4.65	3.84	Medium	51.76	BBB	20.87	58.72	63.91	3.72	28.17
Coverage	67.12	5.11	4.15	4.17	4.83	4.71	3.53	Medium	52.04	BB	16.97	56.85	62.09	3.40	31.94
СК	38.06				5.00	4.00		High	50.15	BB		43.93	22.00	2.13	43.16
ITD	14.63				4.00	4.00		Severe					13.00		
STEC	39.73				5.00	5.00		Severe	62.52	BBB		36.51	22.00	1.64	37.87
SYNTEC	36.38			Y	5.00	5.00	Certified		53.14			37.86			
NWR	24.97				4.00	5.00	Certified		47.79						

Sources: <u>SETTRADE.com</u>; FSSIA's compilation

Exhibit 11: ESG score by Bloomberg

FY ending Dec 31	FY 2019	FY 2020	FY 2021	FY 2022
ESG financial materiality scores - ESG score	_	—	1.93	2.13
BESG environmental pillar score	—	—	0.00	0.10
BESG social pillar score	—	—	4.64	5.11
BESG governance pillar score	_	_	3.08	3.14
ESG disclosure score	32.81	33.67	38.17	43.16
Environmental disclosure score	0.91	0.91	6.10	20.48
Social disclosure score	16.26	18.83	27.15	27.78
Governance disclosure score	81.10	81.10	81.10	81.10
Environmental				
Emissions reduction initiatives	No	No	Yes	Yes
Climate change policy	No	No	No	No
Climate change opportunities discussed	No	No	No	No
Risks of climate change discussed	No	No	No	No
GHG scope 1	_	_	_	_
GHG scope 2 location-based	_	_	2	2
GHG Scope 3	_	_	_	_
Carbon per unit of production	_	_	_	_
Biodiversity policy	No	No	No	No
Energy efficiency policy	Yes	Yes	Yes	Yes
Total energy consumption	_	_	643	3
Renewable energy use	_	_	_	_
Electricity used	_	_	643	3
Fuel used - natural gas	—	—	—	—

Sources: Bloomberg; FSSIA's compilation

Exhibit 12: ESG score by Bloomberg (cont.)

FY ending Dec 31	FY 2019	FY 2020	FY 2021	FY 2022
Fuel used - crude oil/diesel	No	No	No	No
Waste reduction policy	Yes	Yes	Yes	Yes
Hazardous waste	_	_	_	_
Total waste	-	—	—	—
Waste recycled	_	_	-	_
Waste sent to landfills	_	_	-	_
Environmental supply chain management	No	No	No	Yes
Water policy	No	No	No	No
Water consumption	—	_	_	_
Social				
Human rights policy	Yes	Yes	Yes	Yes
Policy against child labor	No	No	No	Yes
Quality assurance and recall policy	Yes	Yes	Yes	Yes
Consumer data protection policy	No	No	No	No
Equal opportunity policy	Yes	Yes	Yes	Yes
Gender pay gap breakout	No	No	No	No
Pct women in workforce	_	—	18	26
Pct disabled in workforce	_	—	_	_
Business ethics policy	Yes	Yes	Yes	Yes
Anti-bribery ethics policy	Yes	Yes	Yes	Yes
Health and safety policy	Yes	Yes	Yes	Yes
Lost time incident rate - employees	0	0	0	0
Total recordable incident rate - employees	0	0	0	_
Training policy	No	No	No	Yes
Fair remuneration policy	No	No	No	No
Number of employees – CSR	_	2,380	2,124	2,304
Employee turnover pct	_	_	_	_
Total hours spent by firm - employee training	_	_	13,785	17,303
Social supply chain management	No	No	No	Yes
Governance				
Board size	10	9	10	10
No. of independent directors (ID)	4	3	4	4
No. of women on board	1	1	1	1
No. of non-executive directors on board	4	3	4	4
Company conducts board evaluations	Yes	Yes	Yes	Yes
No. of board meetings for the year	7	7	7	8
Board meeting attendance pct	100	100	100	100
Board duration (years)	3	3	3	3
Director share ownership guidelines	No	No	No	No
Age of the youngest director	45	46	47	43
Age of the oldest director	82	80	81	82
No. of executives / company managers	17	16	14	14
No. of female executives	2	2	2	
Executive share ownership guidelines	No	No	No	No
Size of audit committee	3	3	3	3
No. of ID on audit committee	3	3	3	3
Audit committee meetings	4	4	4	4
Audit commutee meetings Audit meeting attendance %	100	100	100	100
Size of compensation committee	4	3	3	3
-	4	3 1	3	3 1
No. of ID on compensation committee				
No. of compensation committee meetings	2	2	3	4
Compensation meeting attendance %	100	100	100	100
Size of nomination committee	4	3	3	3
No. of nomination committee meetings	2	2	3	4
Nomination meeting attendance %	100	100	100	100
Sustainability governance				
Verification type	No	No	No	No

Sources: Bloomberg; FSSIA's compilation

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Disclaimer for ESG scoring

ESG score	Methodology					Rating									
The Dow Jones Sustainability Indices (<u>DJSI</u>) By S&P Global	The DJSI World applies a transparent, rules-based component selection process based on the companies' Total Sustainability Scores resulting from the annual S&P Global Corporate Sustainability Assessment (CSA). Only the top-ranked companies within each industry are selected for inclusion.					Be a member and invited to the annual S&P Global Corporate Sustainability Assessment (CSA) for DJSI. Companies with an S&P Global ESG Score of less than 45% of the S&P Global ESG Score of the highest scoring company are disqualified. The constituents of the DJSI indices are selected from the Eligible Universe.									
Sustainability Investment List (<u>THSI</u>) by The Stock Exchange of Thailand (<u>SET</u>)	managing busine Candidates must 1) no irregular tra float of >150 sha up capital. Some 70%; 2) independ wrongdoing relate	lity in Environmer ansparency in Go preemptive criteri te board members , and combined hu alifying criteria in tors and free float social & environn arnings in red for	To be eligible for <u>THSI inclusion</u> , verified data must be scored at a minimum of 50% for each indicator, unless the company is a part of DJSI during the assessment year. The scoring will be fairly weighted against the nature of the relevant industry and materiality. <u>SETTHSI Index</u> is extended from the THSI companies whose 1) market capitalization > THB5b (~USD150b); 2) free float >20%; and 3) liquidity >0.5% of paid-up capital for at least 9 out of 12 months. The SETTHSI Index is a market capitalisation-weighted index, cap 5% quarterly weight at maximum, and no cap for number of stocks.												
CG Score by Thai Institute of Directors Association (Thai IOD)	annually by the T			Scores are rated in six categories: 5 for Excellent (90-100), 4 for Very Good (80-89), 3 for Good (70-79), 2 for Fair (60-69), 1 for Pass (60-69), and not rated for scores below 50. Weightings include: 1) the rights; 2) and equitable treatment of shareholders (weight 25% combined); 3) the role of stakeholders (25%); 4) disclosure & transparency (15%); and 5) board responsibilities (35%).											
AGM level By Thai Investors Association (TIA) with support from the SEC	It quantifies the extent to which shareholders' rights and equitable treatment are incorporated into business operations and information is transparent and sufficiently disclosed. All form important elements of two out of five the CG components to be evaluated annually. The assessment criteria cover AGM procedures before the meeting (45%), at the meeting date (45%), and after the meeting (10%). (<i>The first assesses 1</i>) advance circulation of sufficient information for voting; and 2) facilitating how voting rights can be exercised. The second assesses 1) the ease of attending meetings; 2) transparency and verifiability; and 3) openness for Q&A. The third involves the meeting minutes that should contain discussion issues, resolutions and voting results.)														
Thai CAC By Thai Private Sector Collective Action Against Corruption (CAC)	establishment of policies. The Cer (Companies decidir Declaration of Inten Certification, includi	ols, and the monit s good for three y a CAC certified m an 18-month deadlin essment, in place of ablishment of whistle	t by submitting a it the CAC Checklist for control, training of	The document will be reviewed by a committee of nine professionals. A passed Checklist will move for granting certification by the CAC Council approvals whose members are twelve highly respected individuals in professionalism and ethical achievements.											
Morningstar Sustainalytics	The Sustainalytics' ESG risk rating provides an overall company score based on an assessment of how much of a company's exposure to ESG risk is unmanaged. Sources to be reviewed include corporate publications and regulatory filings, news and other media, NGO reports/websites, multi-sector					A company's ESG risk rating score is the sum of unmanaged risk. The more risk is unmanaged, the higher ESG risk is scored.									
		k, ESG controversies	edback on draft ESG	NEGL 0-10	Low 10-20	Medium 20-30	High 30-40	Severe 40+							
ESG Book	positioned to out the principle of fir helps explain fut	perform or nancial ma ure risk-ac atures wit	ateriality including djusted performan th higher material	The meth informatince. Mater	nodology considers ion that significantly iality is applied by	scores using r	nateriality-ba	culated as a we sed weights. T indicating bett	he score is s	caled betwee					
<u>MSCI</u>					agement of financially						logy to				
		eaders an		ding to the	eir exposure to ESG ri	sks and how we	I they manag	je those risks r	elative to pe	ers.					
		Leade	I a sufficient tes for developments and			risks and opport	unities								
	AA 7	7 143-8 570			leading its industry in n	nanaging the most	ignificant ESG								
		7.143-8.570 5.714-7.142)		leading its industry in n	nanaging the most s	ignificant ESG								
	A 5		2	1e:	a mixed or unexceptior	0.0	0		G risks and op	oportunities rela	ative to				
	A 5 BBB 4	5.714-7.142	Averag	le:	0 ,	0.0	0		G risks and op	oportunities rela	ative to				
	A 5 BBB 4 BB 2	5.714-7.142 1.286-5.713) 2. 3. Averag	-	a mixed or unexceptior industry peers	al track record of n	anaging the m	ost significant ES	·		ative to				
	A 5 BBB 4 BB 2 B 1	5.714-7.142 4.286-5.713 2.857-4.285) 5 Averag 5 5 Laggar	-	a mixed or unexceptior	al track record of n	anaging the m	ost significant ES	·		ative to				
Moody's ESG solutions	A 5 BBB 4 BB 2 B 1 CCC 0 Moody's assesses believes that a co	5.714-7.142 4.286-5.713 2.857-4.285 1.429-2.856 0.000-1.428 os the deg company in	Averag Laggar ree to which com	rd: panies tal ctors into	a mixed or unexceptior industry peers	ed on its high expo	anaging the m sure and failure	ost significant ES e to manage signi	ficant ESG rision of their str	ks rategy policie:	s. It				
	A 5 BBB 4 BB 2 B 2 B 2 CCC 0 Moody's assesse believes that a co create sustainable Designed to trans based on publicly	5.714-7.142 4.286-5.713 2.857-4.285 1.429-2.856 0.000-1.428 es the deg ompany in le value for sparently available	Average Laggar rece to which com tegrating ESG fac or shareholders ov and objectively m e and auditable da	rd: panies tal ctors into ver the me easure a ata. The s	a mixed or unexceptior industry peers lagging its industry bas ke into account ESG o its business model an	ed on its high expo bjectives in the d relatively outpo GG performance, 100 on relative f	anaging the m sure and failure lefinition and rforming its p commitment SG performation	ost significant ES e to manage signi l implementatic peers is better and effectiver ance and insuf	ficant ESG rision of their str positioned to ress across of ficient degre	ks rategy policie o mitigate risk	s. It ks and les,				
solutions Refinitiv ESG	A 5 BBB 4 BB 2 B 1 CCC 0 Moody's assesses believes that a co create sustainabl Designed to trans based on publicly reporting material The S&P Global	5.714-7.142 4.286-5.713 2.857-4.285 6.000-1.428 es the deg pompany in le value for sparently <i>y</i> available at ESG dat ESG Score	Average Laggar Tree to which com tegrating ESG far or shareholders ov and objectively m e and auditable da ta publicly. <i>(Score</i> re is a relative sco	rd: panies tal ctors into ver the me easure a ata. The s ratings are pre measu	a mixed or unexceptior industry peers lagging its industry bas ke into account ESG of its business model an edium to long term. company's relative ES core ranges from 0 to	ed on its high expo bjectives in the d relatively outpo GG performance, 100 on relative f = satisfactory; >50 formance on and	anaging the m sure and failure lefinition and rforming its p commitment SG performator to 75 = good; a managemer	ost significant ES e to manage signi l implementatic peers is better and effectiver ance and insuf and >75 to 100 =	ficant ESG risk on of their str positioned to ress across 7 ficient degre excellent.)	ks rategy policie o mitigate risk 10 main them e of transpar	s. It ks and les, ency in				
solutions Refinitiv ESG rating	A 5 BBB 4 BB 2 B 1 CCC 0 Moody's assesses believes that a co create sustainabl Designed to trans based on publicly reporting material The S&P Global	5.714-7.142 4.286-5.713 2.857-4.285 6.000-1.428 es the deg pompany in le value for sparently <i>y</i> available at ESG dat ESG Score	Average Laggar Laggar rece to which com tegrating ESG fac or shareholders ov and objectively m e and auditable da ta publicly. (Score re is a relative score in the same indus Bloomberg scorr score is based o	rd: panies tal ctors into ver the me leasure a ata. The s ratings are ore measus try classif e evaluation Bloomb	a mixed or unexceptior industry peers lagging its industry bas ke into account ESG of its business model an edium to long term. company's relative ES core ranges from 0 to 0 to 25 = poor; >25 to 50 uring a company's per	ed on its high expo objectives in the d relatively outpo GG performance, 100 on relative f = satisfactory; >50 formance on and iges from 0 to 10 regated Environ ancial materiality	anaging the m sure and failure reforming its p commitment SG perform to 75 = good; a managemer 0. mental, Socia The score is	ost significant ES e to manage signi l implementatio peers is better and effectiver ance and insuf and >75 to 100 = nt of ESG risks al and Governa s a weighted g	ficant ESG risi n of their str positioned to ess across a ficient degre excellent.) , opportunition nce (ESG) p eneralized m	ks ategy policie o mitigate risk 10 main them e of transpar- es, and impace performance. hean (power r	s. It ks and les, ency in cts The mean)				

Rating regarding the sustainable development of Thai listed companies, both on the SET and MAI, are publicly available on the website of the Securities and Exchange Commission of Thailand (SEC). Currently, ratings available are 1) "CG Score"; 2) "AGM Level"; 3) "Thai CAC"; and 4) THSI. The ratings are updated on an annual basis. FSSIA does not confirm nor certify the accuracy of such ratings. Source: FSSIA's compilation

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History of change in investment rating and/or target price



Thanyatorn Songwutti started covering this stock from 11-Apr-2023

Price and TP are in local currency

Source: FSSIA estimates

Company	Ticker	Price	Rating	Valuation & Risks
CH.Karnchang	СК ТВ	THB 20.90	BUY	Key downside risks to our SoTP-based TP include 1) delays in the signing of the Luang Prabang hydropower plant and Orange Line projects; 2) fewer new projects than expected; 3) political uncertainty; 4) delays in construction; 5) labour shortages; 6) higher raw material and labour costs; and 7) intense competition.

Source: FSSIA estimates

Additional Disclosures

Target price history, stock price charts, valuation and risk details, and equity rating histories applicable to each company rated in this report is available in our most recently published reports. You can contact the analyst named on the front of this note or your representative at Finansia Syrus Securities Public Company Limited.

All share prices are as at market close on 13-Nov-2023 unless otherwise stated.

RECOMMENDATION STRUCTURE

Stock ratings

Stock ratings are based on absolute upside or downside, which we define as (target price* - current price) / current price.

BUY (B). The upside is 10% or more.

HOLD (H). The upside or downside is less than 10%.

REDUCE (R). The downside is 10% or more.

Unless otherwise specified, these recommendations are set with a 12-month horizon. Thus, it is possible that future price volatility may cause a temporary mismatch between upside/downside for a stock based on market price and the formal recommendation.

* In most cases, the target price will equal the analyst's assessment of the current fair value of the stock. However, if the analyst doesn't think the market will reassess the stock over the specified time horizon due to a lack of events or catalysts, then the target price may differ from fair value. In most cases, therefore, our recommendation is an assessment of the mismatch between current market price and our assessment of current fair value.

Industry Recommendations

Overweight. The analyst expects the fundamental conditions of the sector to be positive over the next 12 months. **Neutral.** The analyst expects the fundamental conditions of the sector to be maintained over the next 12 months. **Underweight.** The analyst expects the fundamental conditions of the sector to be negative over the next 12 months.

Country (Strategy) Recommendations

Overweight (O). Over the next 12 months, the analyst expects the market to score positively on two or more of the criteria used to determine market recommendations: index returns relative to the regional benchmark, index sharpe ratio relative to the regional benchmark and index returns relative to the market cost of equity.

Neutral (N). Over the next 12 months, the analyst expects the market to score positively on one of the criteria used to determine market recommendations: index returns relative to the regional benchmark, index sharpe ratio relative to the regional benchmark and index returns relative to the market cost of equity.

Underweight (U). Over the next 12 months, the analyst does not expect the market to score positively on any of the criteria used to determine market recommendations: index returns relative to the regional benchmark, index sharpe ratio relative to the regional benchmark and index returns relative to the market cost of equity.

