

Offshore & Marine | Singapore | March 23, 2022



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HOLD (no change)

Consensus ratings*:	Buy 1	Hold 5	Sell 2
Current price:		5	\$\$0.093
Target price:			S\$0.09
Previoustarget:			S\$0.09
Up/downside:			-3.2%
CGS-CIMB/Consens	us:		-1.6%
Reuters:		S	CMN.SI
Bloomberg:		S	SMM SP
Market cap:		US\$	2,151m
		S\$	2,919m
Average daily turnove	er:	US	\$3.90m
		S	\$5.29m
Current shares o/s		3	1,388m
Free float: *Source: Bloonberg			45.4%
Source. Droomberg			

Key financial forecasts

	Dec-22F	Dec-23F	Dec-24F
Net Profit (S\$m)	(389.4)	(106.0)	(81.0)
Core EPS (S\$)	(0.012)	(0.003)	(0.003)
Core EPS Growth	(85.2%)	(72.8%)	(23.6%)
FD Core P/E (x)	NA	NA	NA
Recurring ROE	(10.2%)	(3.0%)	(2.3%)
P/BV (x)	0.81	0.83	0.85
DPS (S\$)	-	-	-
Dividend Yield	0%	0%	0%



		Source:	Bloomberg
Price performance	1 <i>M</i>	ЗМ	12M
Absolute (%)	8.1	14.8	-33.7
Relative (%)	9.6	6.3	-40.8
Major shareholders			% held
Temasek			54.6

Temasek

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Sembcorp Marine

Moving in the right wind direction

- SMM announced its first contract for the year, the company's first wind turbine installation vessel. The vessel is scheduled for delivery in 2025.
- Given the lead time of construction, we believe the contract to worth US\$300-500m based on the latest transactions by Keppel, China and Korean yards.
- We believe this project could yield 5-6% EBIT margin as it is SMM's first.
- Order book stood at S\$1.3bn at end-21 and we project S\$2bn order wins for 2022. Its share price could react positively. Reiterate Hold, TP of S\$0.09.

First wind turbine installation vessel, no amount disclosed

- SMM has secured a contract for the construction of a wind turbine installation vessel (WTIV), which will be based on its in-house design in collaboration with the customer.
- The WTIV is scheduled for completion in early-2025. SMM said it will tap its technological bench strength and offshore engineering competencies to build a highly efficient WTIV capable of handling the next generation of wind turbines that are scaled up in size with longer, lighter rotor blades, taller towers, more reliable drivetrains, performance-optimising control systems, and multi-megaw att pow er generation.

How much could it cost?

- In Apr 21, China Raffles CIMC secured an order of US\$184.8m for its 3060 WTIV series • vessel (2,200-tonne crane and capability of installing up to 20MW) for 1Q23 delivery.
- In May 21 and Dec 21, Eneti Inc awarded two mega WTIV (2.600-tonne crane and capable of installing up to 20MW turbines) for US\$330m and US\$326m, respectively.
- In Dec 20, Keppel AMFELS secured a contract for a WTV with a 2,200-tonne crane • with 12MW and above handling capacity for US Dominion Energy at S\$600m. The vessel is Jones-Act compliant and scheduled for 2023 delivery.

Increased demand for wind installation vessels

According to Rystard Energy, global demand for offshore WTIVs (excluding China) is • expected to increase to 79 vessel years by 2030 from 11 vessel years in 2021. Most of the demand in 2030 (62 vessels) will be 9-MW-plus turbines. Currently, there are a handful of purpose-built vessels suitable for 10-MW-plus turbines, which generally need a 1,500-tonne crane with 150-metres lifting height. Several vessels are upgrading to 1,600-tonne cranes over 2022-2024 and new builds will also start being delivered.

Reiterate Hold and TP of S\$0.09

We peg SMM at 0.8x CY22F P/BV (20% discount to 3-year historical average of 1x). • We see scope for narrow er discount on consistent order win momentum, earnings recovery or a clear strategy from larger entity with KEP O&M. Key catalysts: more order wins, faster-than-expected project deliveries, and clarity on merger with KEP O&M. Key risks: further manpow er shortage due to Covid-19 impact, cancellation of orders.

Contract date	No.	Crane tonnage	MW	Builder	Customer	Price (US\$ m)	Delivery
02-Dec-21	1	2,600	20	DSME	Eneti	326	2Q25
23-Nov-21	1		20	CIMC- Raffle	J.P. Morgan Global Alternatives and Havfram AS		2024
01-Oct-21	1	> 3,000	20	CIMC- Raffle	Van Oord	1,160	2024
12-May-21	1	2,600	20	DSME	Eneti	330	3Q24
17-Apr-21	Multiple	2,200		CIMC- Raffle	Boqiang Heavy Industry Group	184.8	1Q23
17-Dec-20	1	2,200	12	KEP O&M	Dominion Energy	442	2023
4Q20	1	1,500		DSME	Eneti	265-290	2023

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				Target	Market							Recurring	Dividend
	Bbg		Price	Price	Cap		P/E (x)		2-year EPS	P/BV	(x)	ROE (%)	Yield (%)
Company	Ticker	Recom.	(Icl curr)	(Icl curr)	(US\$ m)	CY22F		CY24F	CAGR (%)	CY22F	CY23F	CY22F	CY22F
Keppel Corporation	KEP SP	Add	6.41	7.20	8,505	13.6	14.1	14.5	-10.5%	0.94	0.91	7.0%	4.1%
Sembcorp Marine	SMM SP	Hold	0.09	0.09	2,151	na	na	na	na	0.81	0.83	-13.0%	0.0%
Singapore offshore - big cap sim	ple average					13.6	14.1	14.5	-10.5%	0.87	0.87	-3.0%	2.0%
COSCO SHIPPING International S	COS SP	NR	0.25	na	421	na	na	na	na	na	na	na	na
Yangzijiang Shipbuilding	YZJSGD SP	Add	1.40	1.78	4,037	7.3	5.5	5.6	12.1%	0.65	0.60	9.2%	3.7%
Chinese Shipbuilder simple avera		7100			1,001	7.3	5.5	5.6	12.1%	0.65	0.60	9.2%	3.7%
SATS Ltd	SATS SP	Add	3.96	4.77	3,274	46.7	21.8	na	272.8%	2.84	2.77	6.1%	2.3%
Sembcorp Industries	SCI SP	Add	2.63	2.96	3,451	11.0	9.5	9.1	32.3%	1.13	1.01	10.9%	2.7%
ST Engineering	STE SP	Add	4.10	4.70	9,403	21.3	18.1	16.6	10.8%	5.09	4.70	24.4%	3.9%
SIA Engineering	SIE SP	Add	2.22	2.92	1,836	36.7	32.8	na	20.4%	1.52	1.53	4.2%	3.6%
Industrial conglomerate simple av	verage					28.9	20.5	12.8	84.1%	2.65	2.50	11.4%	3.1%
CSE Global	CSE SP	Add	0.47	0.57	177	12.0	9.8	8.7	26.9%	1.23	1.16	10.4%	5.9%
Ezion Holdings Ltd	EZI SP	NR	0.04	na	160	na	na	na	na	na	na	na	na
Mermaid Maritime PCL	MMT SP	NR	0.08	na	84	na	na	na	na	na	na	na	na
MTQ Corp Ltd	MTQ SP	NR	0.23	na	37	na	na	na	na	na	na	na	na
Singapore OSV owner simple ave	erage					12.0	9.8	8.7	26.9%	1.23	1.16	10.4%	5.9%
Bumi Armada	BAB MK	Add	0.43	0.55	595	4.3	4.3	4.5	-6.4%	0.55	0.49	13.7%	0.0%
Velesto Energy Berhad	VEB MK	Hold	0.43	0.55	214	25.6	4.3	14.8	-0.4%	0.39	0.49	1.5%	0.0%
Yinson Holdings	YNS MK	Add	4.95	8.03	1.250	13.1	6.7	14.0 na	60.9%	1.37	1.16	10.4%	1.2%
Coastal Contracts Bhd	COCO MK	NR	1.85	na	228	9.5	9.3	na	26.1%	na	na	8.3%	na
Dialog Group Bhd	DLG MK	NR	2.74	na	3.709	25.7	23.7	na	8.8%	3.01	2.78	12.0%	1.4%
Malaysia Marine and Heavy Engi	MMHE MK	NR	0.38	na	144	na	38.0	14.1	na	0.35	0.36	1.8%	0.0%
Petronas Dagangan Bhd	PETD MK	NR	21.04	na	4,998	28.9	26.3	24.7	22.4%	3.80	3.78	12.6%	3.2%
Uzma Bhd	UZMA MK	NR	0.47	na		8.5	6.1		35.3%	0.32	0.30	4.0%	0.2 /t
Wah Seong Corp Bhd	YNS MK	NR	0.47	na	118	9.3	7.7	4.7	na	0.64	0.60	9.5%	0.8%
Malaysia offshore simple average	-		0.04	na	110	15.6	15.2	12.5	24.5%	1.30	1.23	8.2%	0.9%



BY THE NUMBERS

(S\$m)	Dec-21A	Dec-22F	Dec-23F	Dec-24F
Total Net Revenues	1,862	1,135	1,622	2,083
Gross Profit	(1,082)	(397)	(49)	0
Operating EBITDA	(1,396)	(236)	101	126
Depreciation And Amortisation	(172)	(186)	(182)	(178)
Operating EBIT	(1,567)	(422)	(81)	(52)
Financial Income/(Expense)	(32)	(49)	(49)	(49)
Pretax Income/(Loss) from Assoc.	1	2	2	3
Non-Operating Income/(Expense)	0	0	0	0
Profit Before Tax (pre-El)	(1,598)	(469)	(128)	(98)
Exceptional Items	0	0	0	0
Pre-tax Profit	(1,598)	(469)	(128)	(98)
Taxation	79	70	19	15
Exceptional Income - post-tax	(4.540)	(000)	(400)	(00)
Profit After Tax	(1,518)	(399)	(109)	(83)
Minority Interests Preferred Dividends	5	9	3	2
	U	U	U	0
FX Gain/(Loss) - post tax				
Other Adjustments - post-tax Net Profit	(1,514)	(389)	(106)	(81)
Recurring Net Profit				
Fully Diluted Recurring Net Profit	(1,514) (1,514)	(389) (389)	(106) (106)	(81) (81)
Cash Flow				
Cash Flow (S\$m)	Dec-21A	Dec-22F (236)	Dec-23F	
Cash Flow (S\$m) EBITDA	Dec-21A (1,396)	Dec-22F (236)	Dec-23F 101	Dec-24F 126
Cash Flow (S\$m) EBITDA Cash Flow from Invt. & Assoc.			101	
Cash Flow (S\$m) EBITDA Cash Flow from Invt. & Assoc. Change In Working Capital	(1,396)	(236)		
Cash Flow (S\$m) EBITDA Cash Flow from Invt. & Assoc. Change In Working Capital (Incr)/Decr in Total Provisions	(1,396)	(236)	101	126
Cash Flow (S\$m) EBITDA Cash Flow from Invt. & Assoc. Change In Working Capital (Incr)/Decr in Total Provisions Other Non-Cash (Income)/Expense	(1,396)	(236)	101	126
Cash Flow (S\$m) EBITDA Cash Flow from Invt. & Assoc. Change In Working Capital (Incr)/Decr in Total Provisions	(1,396)	(236)	101	(314)
Cash Flow (S\$m) EBITDA Cash Flow from Invt. & Assoc. Change In Working Capital (Incr)/Decr in Total Provisions Other Non-Cash (Income)/Expense Other Operating Cashflow	(1,396) 295	(236) 305	(647)	(314)
Cash Flow (S\$m) EBITDA Cash Flow from Invt. & Assoc. Change In Working Capital (Incr)/Decr in Total Provisions Other Non-Cash (Income)/Expense Other Operating Cashflow Net Interest (Paid)/Received	(1,396) 295 (54)	(236) 305 (49)	(647) (49)	(314)
Cash Flow (S\$m) EBITDA Cash Flow from Invt. & Assoc. Change In Working Capital (Incr)/Decr in Total Provisions Other Non-Cash (Income)/Expense Other Operating Cashflow Net Interest (Paid)/Received Tax Paid	(1,396) 295 (54) (5)	(236) 305 (49) 70	101 (647) (49) 19	126 (314) (49) 15
Cash Flow (S\$m) EBITDA Cash Flow from Invt. & Assoc. Change In Working Capital (Incr)/Decr in Total Provisions Other Non-Cash (Incorne)/Expense Other Operating Cashflow Net Interest (Paid)/Received Tax Paid Cashflow From Operations	(1,396) 295 (54) (5) (1,159)	(236) 305 (49) 70 91	101 (647) (49) 19 (576)	(314) (314) (49) 15 (222)
Cash Flow (S\$m) EBITDA Cash Flow from Invt. & Assoc. Change In Working Capital (Incr)/Decr in Total Provisions Other Non-Cash (Income)/Expense Other Operating Cashflow Net Interest (Paid)/Received Tax Paid Cashflow From Operations Capex	(1,396) 295 (54) (5) (1,159) (46)	(236) 305 (49) 70 91 (50)	(647) (647) (49) 19 (576) (100)	(314) (314) (49) 15 (222) (100)
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Cash Flow (S\$m) EBITDA Cash Flow from Invt. & Assoc. Change In Working Capital (Incr)/Decr in Total Provisions Other Non-Cash (Incorne)/Expense Other Operating Cashflow Net Interest (Paid)/Received Tax Paid Cashflow From Operations Capex Disposals Of FAs/subsidiaries Acq. Of Subsidiaries/investments Other Investing Cashflow Cash Flow From Investing Debt Raised/(repaid) Proceeds From Issue Of Shares Shares Repurchased	(1,396) 295 (54) (55) (1,159) (46) 4 (22) 0 (44) (512)	(236) 305 (49) 70 91 (50) 0 0 (50) 0 0 (50) 0 0 0 0 0 0 0 0 0	(49) (647) (9) (100) (100) (100) (100) 0 0 0 0 0 0 0 0 0 0 0 0	(49) (314) (49) (15) (222) (100) 0 0 0 0 0 (100) 0 0 0 0 0 0 0 0
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Cash Flow (S\$m) EBITDA Cash Flow from Invt. & Assoc. Change In Working Capital (Incr)/Decr in Total Provisions Other Non-Cash (Income)/Expense Other Operating Cashflow Net Interest (Paid)/Received Tax Paid Cashflow From Operations Capex Disposals Of FAs/subsidiaries Acq. Of Subsidiaries/investments Other Investing Cashflow Cash Flow From Investing Debt Raised/(repaid) Proceeds From Issue Of Shares Shares Repurchased Dividends Paid Preferred Dividends Other Financing Cashflow Cash Flow From Financing	(1,396) 295 (54) (5) (1,159) (46) 4 (2) 0 (44) (512) 1,499 (0) (0) (0) 986	(236) 305 (49) 70 91 (50) 0 0 (50) 0 0 0 0 0 0 0 0 0 0 0 0 0	101 (647) (49) 19 (576) (100) 0 0 0 (100) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(49) (314) (49) (100) (100) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Balance Sheet				
(S\$m)	Dec-21A	Dec-22F	Dec-23F	Dec-24F
Total Cash And Equivalents	1,104	1,146	473	154
Total Debtors	471	315	451	579
Inventories	67	95	135	174
Total Other Current Assets	1,384	965	1,372	1,756
Total Current Assets	3,026	2,521	2,430	2,662
Fixed Assets	3,993	3,857	3,775	3,696
Total Investments	256	256	256	256
Intangible Assets	198	198	198	198
Total Other Non-Current Assets	1,827	1,364	1,364	1,364
Total Non-current Assets	6,274	5,674	5,592	5,514
Short-term Debt	842	842	842	842
Current Portion of Long-Term Debt				
Total Creditors	1,514	870	758	950
Other Current Liabilities	178	116	164	209
Total Current Liabilities	2,533	1,828	1,763	2,000
Total Long-term Debt	2,513	2,513	2,513	2,513
Hybrid Debt - Debt Component			,	
Total Other Non-Current Liabilities	210	210	210	210
Total Non-current Liabilities	2,722	2,722	2,722	2,722
Total Provisions	19	19	19	19
Total Liabilities	5,275	4,569	4,505	4,742
Shareholders' Equity	4,001	3,612	3,506	3,425
Minority Interests	24	14	12	10
Total Equity	4,025	3,626	3,518	3,435
	Dec-21A	Dec-22F	Dec-23F	D 045
Revenue Growth	23.3%	(39.1%)	43.0%	28.4%
Revenue Growth Operating EBITDA Growth				
	23.3%	(39.1%)	43.0%	28.4%
Operating EBITDA Growth	23.3% 259%	(39.1%) (83%)	43.0% N/A	28.4% 25%
Operating EBITDA Growth Operating EBITDA Margin	23.3% 259% (74.9%)	(39.1%) (83%) (20.8%)	43.0% N/A 6.2%	28.4% 25% 6.1%
Operating EBITDA Growth Operating EBITDA Margin Net Cash Per Share (S\$)	23.3% 259% (74.9%) (0.12)	(39.1%) (83%) (20.8%) (0.07)	43.0% N/A 6.2% (0.09)	28.4% 25% 6.1% (0.10)
Operating EBITDA Growth Operating EBITDA Margin Net Cash Per Share (S\$) BVPS (S\$)	23.3% 259% (74.9%) (0.12) 0.22	(39.1%) (83%) (20.8%) (0.07) 0.12	43.0% N/A 6.2% (0.09) 0.11	28.4% 25% 6.1% (0.10) 0.11
Operating EBITDA Growth Operating EBITDA Margin Net Cash Per Share (S\$) BVPS (S\$) Gross Interest Cover	23.3% 259% (74.9%) (0.12) 0.22 (18.97)	(39.1%) (83%) (20.8%) (0.07) 0.12 (4.19)	43.0% N/A 6.2% (0.09) 0.11 (0.81)	28.4% 25% 6.1% (0.10) 0.11 (0.52)
Operating EBITDA Growth Operating EBITDA Margin Net Cash Per Share (S\$) BVPS (S\$) Gross Interest Cover Effective Tax Rate	23.3% 259% (74.9%) (0.12) 0.22 (18.97) 0%	(39.1%) (83%) (20.8%) (0.07) 0.12 (4.19) 0%	43.0% N/A 6.2% (0.09) 0.11 (0.81) 0%	28.4% 25% 6.1% (0.10) 0.11 (0.52) 0%
Operating EBITDA Growth Operating EBITDA Margin Net Cash Per Share (S\$) BVPS (S\$) Gross Interest Cover Effective Tax Rate Net Dividend Payout Ratio Accounts Receivables Days Inventory Days	23.3% 259% (74.9%) (0.12) 0.22 (18.97) 0% NA 106.8 10.00	(39.1%) (83%) (20.8%) (0.07) 0.12 (4.19) 0% NA 126.5 19.24	43.0% NVA 6.2% (0.09) 0.11 (0.81) 0% NA 86.1 25.09	28.4% 25% 6.1% (0.10) 0.11 (0.52) 0% NA
Operating EBITDA Growth Operating EBITDA Margin Net Cash Per Share (S\$) BVPS (S\$) Gross Interest Cover Effective Tax Rate Net Dividend Payout Ratio Accounts Receivables Days Inventory Days Accounts Payables Days	23.3% 259% (74.9%) (0.12) 0.22 (18.97) 0% NA 106.8 10.00 154.0	(39.1%) (83%) (20.8%) (0.07) 0.12 (4.19) 0% NA 126.5 19.24 264.5	43.0% N/A 6.2% (0.09) 0.11 (0.81) 0% NA 86.1 25.09 159.9	28.4% 25% 6.1% (0.10) 0.11 (0.52) 0% NA 90.4 27.13 135.6
Operating EBITDA Growth Operating EBITDA Margin Net Cash Per Share (S\$) BVPS (S\$) Gross Interest Cover Effective Tax Rate Net Dividend Payout Ratio Accounts Receivables Days Inventory Days Accounts Payables Days ROIC (%)	23.3% 259% (74.9%) (0.12) 0.22 (18.97) 0% NA 106.8 10.00	(39.1%) (83%) (20.8%) (0.07) 0.12 (4.19) 0% NA 126.5 19.24 264.5 (6.7%)	43.0% N/A 6.2% (0.09) 0.11 (0.81) 0% NA 86.1 25.09 159.9 (1.4%)	28.4% 25% 6.1% (0.10) 0.11 (0.52) 0% NA 90.4 27.13 135.6 (0.8%)
Operating EBITDA Growth Operating EBITDA Margin Net Cash Per Share (\$\$) BVPS (\$\$) Gross Interest Cover Effective Tax Rate Net Dividend Payout Ratio Accounts Receivables Days Inventory Days Accounts Payables Days ROIC (%) ROCE (%)	23.3% 259% (74.9%) (0.12) 0.22 (18.97) 0% NA 106.8 10.00 154.0	(39.1%) (83%) (20.8%) (0.07) 0.12 (4.19) 0% NA 126.5 19.24 264.5	43.0% N/A 6.2% (0.09) 0.11 (0.81) 0% NA 86.1 25.09 159.9	28.4% 25% 6.1% (0.10) 0.11 (0.52) 0% NA 90.4 27.13 135.6
Operating EBITDA Growth Operating EBITDA Margin Net Cash Per Share (S\$) BVPS (S\$) Gross Interest Cover Effective Tax Rate Net Dividend Payout Ratio Accounts Receivables Days Inventory Days Accounts Payables Days ROIC (%)	23.3% 259% (74.9%) 0.22 (18.97) 0% NA 106.8 10.00 154.0 (23.5%)	(39.1%) (83%) (20.8%) (0.07) 0.12 (4.19) 0% NA 126.5 19.24 264.5 (6.7%)	43.0% N/A 6.2% (0.09) 0.11 (0.81) 0% NA 86.1 25.09 159.9 (1.4%)	28.4% 25% 6.1% (0.10) 0.11 (0.52) 0% NA 90.4 27.13 135.6 (0.8%)
Operating EBITDA Growth Operating EBITDA Margin Net Cash Per Share (\$\$) BVPS (\$\$) Gross Interest Cover Effective Tax Rate Net Dividend Payout Ratio Accounts Receivables Days Inventory Days Accounts Payables Days ROIC (%) ROCE (%)	23.3% 259% (74.9%) 0.22 (18.97) 0% NA 106.8 10.00 154.0 (23.5%) (20.3%)	(39.1%) (83%) (20.8%) (0.07) 0.12 (4.19) 0% NA 126.5 19.24 264.5 (6.7%) (5.1%)	43.0% N/A 6.2% (0.09) 0.11 (0.81) 0% NA 86.1 25.09 159.9 (1.4%) (0.4%)	28.4% 25% 6.1% (0.10) 0.11 (0.52) 0% NA 90.4 27.13 135.6 (0.8%) (0.0%)
Operating EBITDA Growth Operating EBITDA Margin Net Cash Per Share (S\$) BVPS (S\$) Gross Interest Cover Effective Tax Rate Net Dividend Payout Ratio Accounts Receivables Days Inventory Days Accounts Payables Days ROIC (%) ROCE (%)	23.3% 259% (74.9%) 0.22 (18.97) 0% NA 106.8 10.00 154.0 (23.5%) (20.3%)	(39.1%) (83%) (20.8%) (0.07) 0.12 (4.19) 0% NA 126.5 19.24 264.5 (6.7%) (5.1%)	43.0% N/A 6.2% (0.09) 0.11 (0.81) 0% NA 86.1 25.09 159.9 (1.4%) (0.4%)	28.4% 25% 6.1% (0.10) 0.11 (0.52) 0% NA 90.4 27.13 135.6 (0.8%) (0.0%)

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Corporate Governance Report:

The disclosure of the survey result of the Thai Institute of Directors Association ("IOD") regarding corporate governance is made pursuant to the policy of the Office of the Securities and Exchange Commission. The survey of the IOD is based on the information of a company listed on the Stock Ex change of Thailand and the Market for Alternative Investment disclosed to the public and able to be accessed by a general public investor. The result, therefore, is from the perspective of a third party. It is not an evaluation of operation and is not based on inside information.

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. CGS-CIMB Thailand does not confirm nor certify the accuracy of such survey result.

Score Range:	90 - 100	80 – 89	70 - 79	Below 70	No Survey Result
Description:	Excellent	Very Good	Good	N/A	N/A

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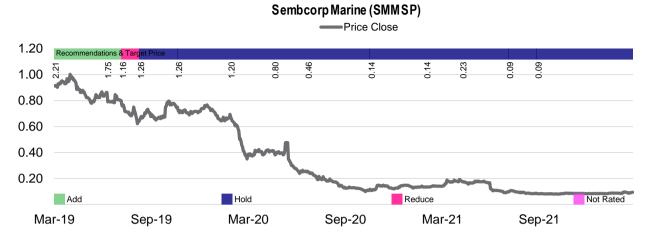
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Distribution of stock ratings and investment banking clier	ts for quarter ended on 31 December 2021	
619 companies under coverage for quarter ended on 31		
	Rating Distribution (%)	Investment Banking clients (%)
Add	71.1%	1.5%
Hold	21.8%	0.0%
Reduce	7.1%	0.0%



Spitzer Chart for stock being researched (2 year data)



Corporate Governance Report of Thai Listed Companies (CGR). CG Rating by the Thai Institute of Directors Association (Thai IOD) in 2021, Anti-Corruption 2021

ADVANC - Excellent, Certified, AMATA - Excellent, Certified, ANAN - Excellent, n/a, AOT - Excellent, n/a, AP - Excellent, Certified, ASP - Excellent, n/a, AWC - Excellent, Declared, AU - Good, n/a, BAM - Very Good, Certified, BAY - Excellent, Certified, BBL - Excellent, Certified, BCH - Very Good, Certified, BCP - Excellent, Certified, BCPG - Excellent, Certified, BDMS - Excellent, n/a, BEAUTY - Good, n/a, BEM - Excellent, n/a BH -Good, n/a, BJC - Very Good, n/a, BLA - Very Good, Certified, BTS - Excellent, Certified, CBG - Very Good, n/a, CCET - n/a, n/a, CENTEL -Excellent, Certified, CHAYO - Very Good, n/a, CHG - Very Good, n/a, CK - Excellent, n/a, COM7 - Excellent, Certified, CPALL - Excellent, Certified, CPF - Excellent, Certified, CPN - Excellent, Certified, CPNREIT - n/a, n/a, CRC - Excellent, Declared, DELTA - Excellent, Certified, DDD - Excellent n/a, DIF - n/a, n/a, DOHOME - Very Good, Declared, DREIT - n/a, n/a, DTAC - Excellent, Certified, ECL - Excellent, Certified, EGCO - Excellent Certified, EPG - Excellent, Certified, ERW - Very Good, Certified, GFPT - Excellent, Certified, GCC - Excellent, Certified, GLOBAL - Excellent, n/a, HANA - Excellent, Certified, HMPRO - Excellent, Certified, HUMAN - Good, n/a, ICHI - Excellent, Certified, III - Excellent, Declared, INTUCH -Excellent, Certified, IRPC – Excellent, Certified, ITD – Very Good, n/a, IVL - Excellent, Certified, JASIF – n/a, n/a, JKN – n/a, Certified, JMT – Very Good, n/a, KBANK - Excellent, Certified, KCE - Excellent, Certified, KEX - Very Good, Declared, KKP - Excellent, Certified, KSL - Excellent, Certified, KTB - Excellent, Certified, KTC - Excellent, Certified, LH - Excellent, n/a, LPN - Excellent, Certified, M - Very Good, Certified, MAKRO - Excellent Certified, MC - Excellent, Certified, MEGA - Very Good, n/a, MINT - Excellent, Certified, MTC - Excellent, Certified, NETBAY - Very Good, n/a, NRF - Very Good, Declared, OR - Excellent, n/a, ORI - Excellent, Certified, OSP - Excellent, n/a, PLANB - Excellent, Certified, PRINC - Very Good, Certified, PR9 - Excellent, Declared, PSH - Excellent, Certified, PTT - Excellent, Certified, PTTEP - Excellent, n/a, PTTGC - Excellent, Certified, QH - Excellent, Certified, RAM - n/a, n/a, RBF - Very Good, n/a, RS - Excellent, Declared, RSP - Good, n/a, S - Excellent, n/a, SAK - Very Good, Declared, SAPPE - Very Good, Certified, SAWAD - Very Good, n/a, SCB - Excellent, Certified, SCC - Excellent, Certified, SCGP - Excellent, Declared, SECURE - n/a, n/a, SHR - Excellent, n/a, SIRI - Excellent, Certified, SPA - Very Good, n/a, SPALI - Excellent, Certified, SPRC - Excellent, Certified, SSP - Good, Certified, STEC - Excellent n/a, SV - Excellent, Certified, SYNEX - Very Good, Certified, TCAP - Excellent, Certified, THANI - Excellent, Certified, TIDLOR - n/a, Certified TISCO - Excellent, Certified, TKN - Very Good, n/a, TOP - Excellent, Certified, TRUE - Excellent Certified. TTB - Excellent Certified. TU - Excellent Certified. TVO - Excellent Certified. VGI - Excellent Certified. WHA - Excellent Certified. WHART - n/a, n/a, WICE - Excellent, Certified, WORK - Good, n/a.

- CG Score 2021 from Thai Institute of Directors Association (IOD)

- Companies participating in Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC) under Thai Institute of Directors (as of August 5, 2021) are categorised into: companies that have declared their intention to join CAC, and companies certified by CAC.

Recommendation	Framework
Stock Ratings	Definition:
Add	The stock's total return is expected to exceed 10% over the next 12 months.
Hold	The stock's total return is expected to be between 0% and positive 10% over the next 12 months.
Reduce	The stock's total return is expected to fall below 0% or more over the next 12 months.
	im of a stock is defined as the sum of the: (i) percentage difference between the target price and the current price and (ii) the forward net tock. Stock price targets have an investment horizon of 12 months.
Sector Ratings	Definition:
Ov erw eight	An Overweight rating means stocks in the sector have, on a market cap-weighted basis, a positive absolute recommendation.
Neutral	A Neutral rating means stocks in the sector have, on a market cap-weighted basis, a neutral absolute recommendation.
Underw eight	An Underweight rating means stocks in the sector have, on a market cap-weighted basis, a negative absolute recommendation.
Country Ratings	Definition:
Ov erw eight	An Overweight rating means investors should be positioned with an above-market weight in this country relative to benchmark.
Neutral	A Neutral rating means investors should be positioned with a neutral weight in this country relative to benchmark.
Underw eight	An Underweight rating means investors should be positioned with a below-market weight in this country relative to benchmark.

