

# Thailand Healthcare

# 2020: Alive and kicking

# Maintain POSITIVE; healthy growth to resume in 2020

The Thai healthcare index has dropped 3% YTD and underperformed the SET by 4% due to weak core 2019 EPS growth. However, we expect core EPS to resume healthy growth in 2020 led by improving EBITDA margins. We have BUYs on BDMS, BCH and CHG, and a HOLD on BH. Our top pick is CHG due to outstanding growth in 4Q19 and 2020E will be driven by turnaround of its two new hospitals.

# Expect SSO budget to significantly increase

Thailand's medical council has approved the new budget for SSO payment rates which are set to rise by 13% from THB2,707 to THB3,064/head/year, effective Jan 2020. The new budget requires approval by the SSO committee, and we expect an official announcement by end of this year. The 13% hike is much higher than the average 4% CAGR over 2005-18. Thus, this should benefit hospitals that have joined the SSO scheme. Under our coverage, SSO patient revenue contributed 32% to CHG and 33% to BCH. We estimate that the new SSO budget will lift core FY20E EPS by 14-15% for BCH and CHG. Note that we have not factored these in our models yet, pending an official announcement.

# Margin improvement next year

We expect to see EBITDA margin improvement for almost all hospitals in 2020E. CHG should see the highest EBITDA margin improvement thanks to the turnaround of two new hospitals which contributed total losses of THB109m in 2019 (15% of core profit). We also expect BDMS's EBITDA margin to improve as it is at the tail end of its capex cycle given that it is close to its target of 50 hospitals. BCH's margin should improve following the turnaround of KH RAM and the opening of the IVF centre at WMC, but it may be partially offset by the opening of its greenfield hospital, KIH Aranyaprathet, in 2Q20. Meanwhile, BH's EBITDA margin is likely to remain flat in 2020 as it continues to offer medical fee discounts for selected markets to maintain its patient volume.

# Appealing valuation; top pick CHG

Healthcare stocks under our coverage are trading at an attractive valuation at 26-34x FY20E P/E, compared to an average of 32x for regional peers and a 5-year average of 35x for the overall Thai healthcare sector. We expect to see CHG and BDMS to offer mid-teens EPS growth in 2020E. CHG is our top pick due to i) its best PEG ratio of 2.5x, ii) the highest ROE of 22% in 2020E and iii) less competition than other healthcare providers as all CHG's hospitals are located out of Bangkok, which has started to see intense competition.

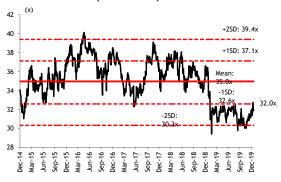
# **POSITIVE**

[Unchanged]

# **Analyst**

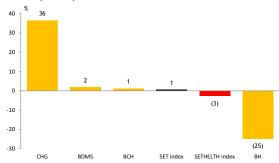
Teerapol Udomvej, CFA (66) 2658 6300 ext 1394 teerapol.U@maybank-ke.co.th

### Thai healthcare (SETHELTH) P/E bands



Source: Bloomberg

# Stock-price performances



Source: SET

# Glossary

SSO	Social Security Office scheme
NHSO	National Health Security scheme
OPD	Out-Patient department
IPD	In-Patient department

Stock	Bloomberg	Mkt cap	Rating	Price	TP	Upside	P/E (x)		E (x) P/B (x)		Div yld (%)	
	code	(USD'm)		(LC)	(LC)	(%)	18A	19E	18A	19E	18A	19E
Bangkok Dusit	BDMS TB	13,284	Buy	25.25	28.00	11	39.2	40.0	5.5	4.8	1.3	1.2
Bumrungrad	вн тв	3,402	Hold	141.00	140.00	(1)	32.9	26.3	7.4	5.1	1.5	1.9
Bangkok Chain	всн тв	1,395	Buy	16.90	19.00	12	38.2	35.1	7.3	6.7	1.4	1.5
Chularat Hosp.	CHG TB	954	Buy	2.62	3.10	18	33.3	39.3	5.9	7.7	2.6	1.5



# 1. SSO to announce higher payment budget

Thailand's medical council has approved the new budget for SSO payment rate to hospitals and has proposed it to the SSO committee for approval. We expect SSO to approve the new budget by end of this year. The proposed budget is up by 13% from THB2,707 to THB3,064/head/year, effective Jan 2020. The 13% hike is much higher than the average 4% CAGR in 2005-18. The structure of the proposed budget is as follows:

- Fixed payment: the budget should increase to THB1,540/head/year from THB1,500
- Quality of treatments: the budget should increase to THB160/head/year from THB120. The first THB80 will be calculated based on the number of complaints (fewer is better) for each hospital and the remaining THB80 depends on the discharge rate (treatment success rate) for each hospital.
- 3) OPD cases: (26 types of chronic diseases): the budget should increase to THB512/head/year from THB447.
- 4) IPD cases: the budget should increase to THB752/head/year from THB640. However, the reimbursement rate should remain at THB12,800/AdjRW. Note that AdjRW stands for Adjusted Relative Weight, which is a measure of the average cost of caring for individual patients.

Under our coverage, SSO patient revenue contributed 32% to CHG and 33% to BCH. Thus, both hospitals will benefit significantly from the new budget in 2020. During 2018-2019, most hospitals in the SSO scheme were required to book a provision expense as the SSO had a limited budget. The higher budget should result in fewer provisioning expenses.

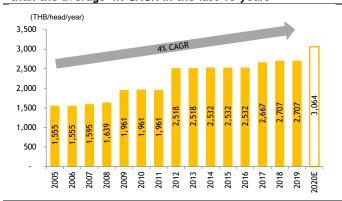
We estimate that the new payment rates should lift SSO revenue for BCH and CHG by 2-3%. Higher SSO revenue should percolate directly to the bottom line, as operating expenses are unchanged. Thus, we forecast the new payment rates to lift core FY20E EPS by 14-15% for BCH and CHG. Note that we have not factored these in our model yet, pending an official announcement.

Fig 1: Potential new SSO rates in 2020E

SSO (THB/hear/year)	2016	July 2017	% Increase	2019	2020E	% Increase
Fixed payment	1,460	1,500	3%	1,500	1640	9%
OPD (26 Chronic diseases)	432	447	3%	447	512	15%
IPD (RW>2)	560	640	14%	640	752	18%
Quality of hospitals	80	120	50%	120	160	33%
	2,532	2,707	<b>7</b> %	2,707	3.064	13%

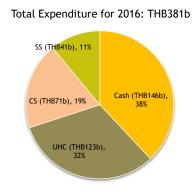
Source: BCH Company data, MKE-ISR

Fig 2: The new budget is expected to go up 13%, higher than the average 4% CAGR in the last 15 years



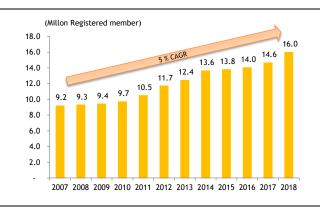
Source: BCH Company data

Fig 4: Healthcare segment in Thailand



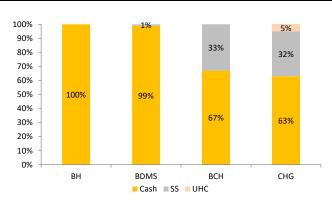
 ${\it Source: BDMS presentation, NHSO, NESDB, SSO}$ 

Fig 3: Number of registered SSO members in Thailand



Source: SSO

Fig 5: Revenue breakdown for healthcare stocks under our coverage



Source: Company Data, MKE-ISR

Fig 6: Comparison of SSO operations between BCH and CHG

	ВСН	CHG
Member quota	1,207,500	437,500
Registered members as of 9M19	873,000	434,113
SSO revenue in 2018 (THB,m)	2,685	1,409
SSO revenue contribution	33%	32%
Revenue per head in 2018 (THB/head/year)	3,418	3,341

Source: Company Data, MKE-ISR



# 2. High competition in Bangkok

Hospital bed supply is low in Thailand, at only 23 beds/10,000 people vs the global median of 26 and 46 beds on average in developed countries. However, we see high competition in Bangkok, which has 51 beds/10,000 people as of 2018. There will be new supply in Bangkok in 2020 such as TPP Healthcare International (550 beds), Wimut international (250 beds), RSU International (345 beds), Synphaet Bangna (264 beds) and expansion of Praram 9 Hospital (143 beds).

We have started to see hospitals in Bangkok offering discounts since 2019 and the trend should continue in 2020. Thus, we believe BH, which has only one standalone hospital in Bangkok, to be most pressured by high competition. BDMS and BCH have diversified their source of revenue to upcountry hospitals, which contribute c.42% and 25% of total revenue, respectively. Meanwhile, all of CHG's hospitals are located outside Bangkok, and so are less impacted by competition.

Fig 7: Supply of hospital beds breakdown by region as of 2018

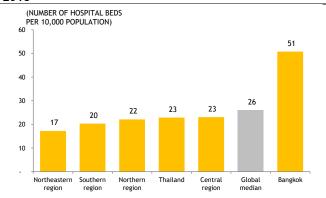
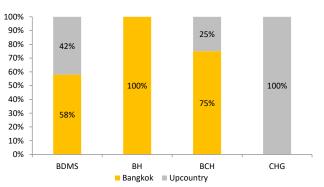


Fig 8: Revenue breakdown between Bangkok and upcountry hospitals



Source: Company Data for BDMS, BH and CHG, MKE-ISR estimate for BCH

Source: NESDB

December 20, 2019

Fig 9: Notable Hospital expansion summary

Project owner	Existing beds	Existing beds Expansion project		Expected opening	% increase
		Bangkok International	175	2019	
BDMS		Jomtien Hospital	233	2020	
	8,091		408		5%
		Kasemrad Sa Kaeo	90	2020	
ВСН		Kasemrad Prachinburi	115	2021	
ВСП		Kasemrad International Vientiane	254	2021	
	2,245		459		229
		New building at CHG3	52	2019	
CHG		Cancer Center	10	2020	
	749		62		89
		Lanna Hospital building 3	220	2021	
		Ramkamhaeng Chiangmai	300	2022	
Attheres di Madisal Castas AURIA TRA		Hariphunchai memorial	150	2021	
Vibhavadi Medical Center (VIBHA TB)		Bangpo expansion	50	N/A	
		Vibharam Pattanakarn 2	100	2019	
	2,275		820		36
Thonburi Healthcare Group		Thonburi Thungsong	200	2019	
(THG TB)		Thonburi 2 Expansion	52	2020	
,	916	·	252		28
Principal Capital		Pisanuvej Uttaradit Hospital	60	2019	
(PRINC TB)		Prince Hospital Uthai Thani	60	2019	
,	599		120		20
Pramram 9 Hospital		New building	59	2019	
(PR9 TB)		Renovation existing building	84	2022	
,	170	3 3	143		84
Wattanapat Hospital		Wanttanapat Hospital Ao Nang	59	2019	
(WPH TB)		Wanttanapat Hospital Samui	29	2020	
	120		88		73
		Medical complex	213	N/A	
		Synphaet Bangna	264	2020	
Synphaet		Tunyawej Lumlukka	211	2020	
	387		688		178
Rajthanee Hospital (RJH TB)	353	New hospital	120	2021	34
Ekachai Medical Care (EKH)	80	New building	60	2019	75
Thai Nakarin Hospital (TNH TB)	190	New building	110	2022	58
Mahachai Hospital (M-CHAI, TB)	681	TPP Healthcare International	550	2020	81
Pruksa Holding (PSH TB)	-	Wimut international	250	2020	N/
Rangsit University	-	RSU International	345	2020	N/
Saha-Union and Sahapat	-	KPN Healthcare	152	N/A	N/
Intrarat Hospital	_	Intrarat	152	N/A	N/
Central General	_	Hathairaj	126	N/A	N/
Total	16,856	<b></b>	4,905		29

Source: MKE-ISR, Company data, Public information



# 3. Margin to improve in 2020

In 2019E, EBITDA margin of hospitals under our coverage should stay flat or drop. We expect to see margin improvement for BDMS, BCH and CHG in 2020E. However, BH's EBITDA margin should stay relatively flat. The details are as follows:

BDMS: margin has been dragged by two new hospitals, Mövenpick BDMS Wellness Resort which opened in June and the International Hospital at Bangkok Hospital HQ which opened in July. We expect both hospitals to improve in 2020. Further, BDMS will have only one greenfield project, Jomtien Hospital, to open in 2020, while four loss-making hospitals - Samitivej Chinatown, Sri Rayong, Bangkok Phetchaburi, and Bangkok Surat - are expected to turn profitable in 2020. Overall, we expect EBITDA margin to improve from 21.8% in 2019E to 22.9% in 2021E.

BCH: margin should improve due to i) higher SSO payment rates, ii) turnaround of KH RAM, which contributed THB50m losses in 9M19 and iii) opening of IVF Center at WMC, which commands higher margins. However, margin will be partially offset by the opening of its greenfield hospital, KIH Aranyaprathet, in 2Q20. Overall, we expect EBITDA margin to improve from 26.9% in 2019E to 27.3% in 2021E.

CHG: margin should significantly improve due to i) higher SSO payment rates, ii) turnaround of two new hospitals, CHG304 and RPC, which contributed total losses of THB109m losses in 2019E, and iii) 2.5% increase in reimbursement rate of the NHSO scheme. Overall, we expect EBITDA margin to improve from 24.2% in 2019E to 26.4% in 2021E.

BH: EBITDA margin should stay flat at 32% in 2019-21E due to medical fee discounts in selected markets, which tends to lead to lower revenue per head. Further, aside from high competition in Bangkok, the THB appreciation makes BH less appealing compared to hospitals in other countries, which focus on medical tourism such as Singapore, Malaysia and India.

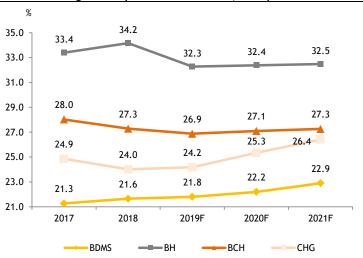


Fig 10: EBITDA margin to improve for all stocks, except BH

Source: MKE-ISR

Note: excluding potential hike in SSO budget for BCH and CHG

#### 4. Attractive valuation

Healthcare stocks under our coverage are trading at 26-34x, compared to the healthcare sector 5-year average of 35x and regional peers' average of 32x. We believe this should be an opportunity to accumulate stocks to capture strong earnings growth in 2020.

The sector will benefit from i) an aging society with the share of the total population aged over 65 years expected to increase from 16% currently to 25% by 2030, ii) healthcare insurance in Thailand is trending up, based on the 12% CAGR in the total value of premiums paid over 2011-18 and iii) medical tourism following high-quality healthcare services with reasonable prices.

We have a BUY on BDMS, BCH and CHG, while we have a HOLD on BH. CHG is our top pick due to i) its superior EPS CAGR of 16% over 2019-22E, ii) the highest ROE of 22% in 2020E and iii) the best PEG ratio of 2.5x.

Fig 11: P/E valuations

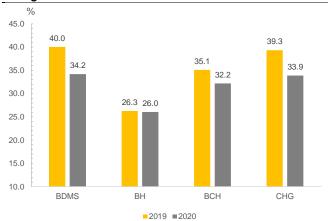
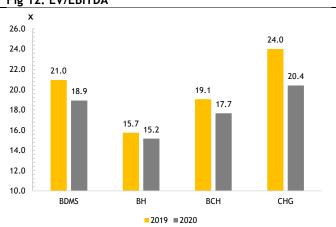


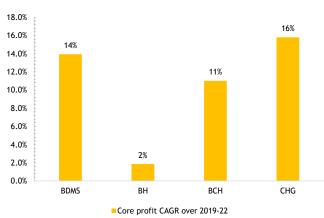
Fig 12: EV/EBITDA



Source: MKE-ISR

Source: MKE-ISR

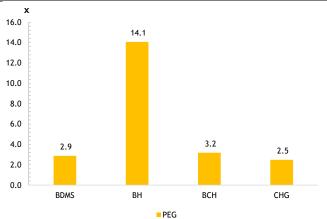
Fig 13: Core-profit growth comparisons



Source: MKE-ISR

Note: excluding potential hike in SSO budget for BCH and CHG

Fig 14: PEG ratios



Source: MKE-ISR

December 20, 2019

Fig 15: ROE comparisons

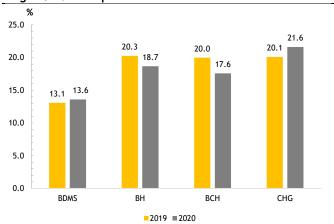
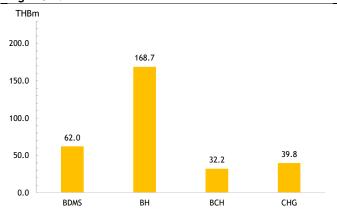


Fig 16: EV/bed



Source: MKE-ISR Source: MKE-ISR

Fig 17: Peer comparisons

															EPS	5
		Mktcap	Rating	Price	TP	Upside	P/E	(x)	P/BV	(x)	EV/EBIT	DA (X)	ROE (x)	Yield(%)	growt	h(%)
Ticker	Name	USDb					2019E	2020E	2019E	2020E	2019E	2020E	2019E	2019E	2019E	2020E
Thai Health	ncare															
BDMS TB	BANGKOK DUSIT MED SERVICE	13.3	BUY	25.25	28.00	11%	40.0	34.2	4.8	4.5	21.0	18.9	13.1	1.2	-0.4	17.1
вн тв	BUMRUNGRAD HOSPITAL PCL	3.4	HOLD	141.00	140.00	-1%	26.3	26.0	5.1	4.6	15.7	15.2	20.3	1.9	-5.9	0.8
BCH TB	BANGKOK CHAIN HOSPITAL PCL	1.4	BUY	16.90	19.00	12%	35.1	32.2	6.7	6.0	19.1	17.7	20.0	1.5	10.2	9.0
CHG TB	CHULARAT HOSPITAL PCL	1.0	BUY	2.62	3.10	18%	39.3	33.9	7.7	7.0	24.0	20.4	20.1	1.5	15.6	16.1
PR9 TB	PRARAM 9 HOSPITAL PCL	0.2	N/A	8.10	N/A	N/A	17.7	18.1	1.6	1.6	8.9	8.7	7.9	1.8	86.0	-2.2
RJH TB	RAJTHANEE HOSPITAL PCL	0.3	N/A	25.75	N/A	N/A	22.3	21.8	5.4	5.1	15.0	13.9	27.4	3.8	36.4	2.2
THG TB	THONBURI HEALTHCARE GROUP PC	0.8	N/A	26.75	N/A	N/A	68.6	41.8	2.7	2.6	N/A	N/A	4.2	1.1	10.2	64.1
VIBHA TB	VIBHAVADI MEDICAL CENTER PCL	0.8	N/A	1.76	N/A	N/A	17.6	17.6	N/A	N/A	19.5	17.2	10.0	0.0	104.5	0.0
EKH TB	EKACHAI MEDICAL CARE PCL	0.1	N/A	6.40	N/A	N/A	24.1	21.8	4.2	3.9	13.8	12.1	17.0	3.2	36.6	10.5
	Average						32.3	27.5	4.8	4.4	17.1	15.5	15.6	1.8	32.6	13.1
Regional H	ealthcare															
RHC AU	RAMSAY HEALTH CARE LTD	10.2	N/A	73.74	N/A	N/A	25.6	23.7	5.3	4.8	12.4	10.3	21.1	2.1	-0.4	7.7
IHH SP	IHH HEALTHCARE BHD	11.7	HOLD	1.81	1.90	5%	53.2	42.5	0.7	0.6	18.3	16.3	3.9	1.6	N/A	25.0
RYM NZ	RYMAN HEALTHCARE LTD	5.3	N/A	16.00	N/A	N/A	30.9	27.2	4.4	3.2	31.9	28.4	11.4	1.6	N/A	13.5
APHS IN	APOLLO HOSPITALS ENTERPRISE	2.7	N/A	1396.4	N/A	N/A	52.9	38.4	5.4	5.0	16.9	13.9	10.4	0.5	56.6	37.9
KPJ MK	KPJ HEALTHCARE BERHAD	1.0	BUY	0.93	1.08	16%	22.7	21.1	2.1	2.0	10.6	10.0	9.3	2.0	13.3	7.3
RFMD SP	RAFFLES MEDICAL GROUP LTD	1.3	HOLD	0.97	1.07	10%	30.3	29.4	2.1	2.1	18.8	17.7	7.4	2.4	-13.2	3.1
MIKAIJ	MITRA KELUARGA KARYASEHAT TB	2.7	N/A	2670.0	N/A	N/A	54.0	48.5	8.7	7.9	35.1	31.3	16.9	0.8	16.3	11.3
300015 CH	AIER EYE HOSPITAL GROUP CO-A	17.4	N/A	39.44	N/A	N/A	88.0	67.3	17.5	14.0	49.7	38.0	20.3	0.6	2.4	30.8
HMI SP	HEALTH MANAGEMENT INTL LTD	0.4	HOLD	0.73	0.73	1%	28.8	27.0	1.6	1.5	16.7	15.5	19.6	2.9	30.4	6.5
	Average						42.9	36.1	5.3	4.6	23.4	20.2	13.4	1.6	15.1	15.9
	Average - Bloomberg consensus	5					37.6	31.8	5.1	4.5	20.4	18.0	14.5	1.7	24.9	14.5

Source: MKE-ISR, Bloomberg

Fig 18: Bear-to-bull case for EBITDA margin

	Bear	r case	Base	e case	Bull case			
	EBITDA margin	FV-DCF	EBITDA margin	FV-DCF	EBITDA margin	FV-DCF		
BDMS	21.2%	26.6	22.2%	28.0	23.2%	29.4		
ВН	31.4%	136.0	32.4%	140.0	33.4%	144.0		
ВСН	26.1%	18.1	27.1%	19.0	28.1%	19.9		
CHG	24.3%	2.9	25.3%	3.1	26.3%	3.3		

Source: MKE-ISR



# **Research Offices**

#### MACRO

Sadiq CURRIMBHOY Head of Regional Macro Research (65) 6231 5836 sadig@maybank-ke.com.sg

#### **ECONOMICS**

Suhaimi ILIAS

Chief Economist Malaysia | Philippines | Global (603) 2297 8682 suhaimi ilias@mavbank-ib.com

CHUA Hak Bin

Regional Thematic Macroeconomist (65) 6231 5830 chuahb@maybank-ke.com.sg

LEE Ju Ye Singapore | Thailand (65) 6231 5844

leejuye@maybank-ke.com.sg Linda LIU

Singapore | Vietnam (65) 6231 5847 lindaliu@maybank-ke.com.sg

Dr Zamros DZULKAFLI (603) 2082 6818 zamros.d@maybank-ib.com

Ramesh LANKANATHAN (603) 2297 8685 ramesh@maybank-ib.com

William POH (603) 2297 8683 william.poh@maybank-ib.com

Saktiandi SUPAAT

Head of FX Research (65) 6320 1379 saktiandi@maybank.com.sg

Christopher WONG (65) 6320 1347 wongkl@maybank.com.sg

(65) 6320 1378 tanyx@maybank.com.sg

(65) 6320 1374 fionalim@maybank.com.sg

# **STRATEGY**

Willie CHAN

Regional (852) 2268 0631 williechan@kimeng.com.hk

Anand PATHMAKANTHAN

ASEAN (603) 2297 8783 anand.pathmakanthan@maybank-ib.com

# FIXED INCOME

Winson PHOON, ACA (65) 6812 8807 winsonphoon@maybank-ke.com.sg

SE THO Mun Yi (603) 2074 7606 munvi.st@mavbank-ib.com

#### **REGIONAL EQUITIES**

Anand PATHMAKANTHAN Head of Regional Equity Research (603) 2297 8783 anand.pathmakanthan@maybank-ib.com

WONG Chew Hann, CA Head of ASEAN Equity Research (603) 2297 8686

wchewh@maybank-ib.com

ONG Seng Yeow Research, Technology & Innovation (65) 6231 5839 ongsengyeow@maybank-ke.com.sg

#### MALAYSIA

Anand PATHMAKANTHAN, Head of Research (603) 2297 8783

anand.pathmakanthan@maybank-ib.com Strategy

Desmond CH'NG, ACA

(603) 2297 8680 desmond.chng@maybank-ib.com • Banking & Finance

LIAW Thong Jung (603) 2297 8688 tjliaw@maybank-ib.com Oil & Gas Services- Regional

ONG Chee Ting, CA (603) 2297 8678 ct.ong@maybank-ib.com

Plantations - Regional

YIN Shao Yang, CPA (603) 2297 8916 samuel.y@maybank-ib.com • Gaming - Regional • Media

TAN Chi Wei, CFA

(603) 2297 8690 chiwei.t@maybank-ib.com

• Power • Telcos

WONG Wei Sum, CFA (603) 2297 8679 weisum@maybank-ib.com

Property

LEE Yen Ling (603) 2297 8691 lee.yl@maybank-ib.com · Glove · Ports · Shipping · Healthcare

Kevin WONG (603) 2082 6824 kevin.wong@maybank-ib.com REITs • Consumer Discretionary • Technology

Adrian WONG, CFA

(603) 2297 8675 adrian.wki@mavbank-ib.com

Constructions • Building Materials

Jade TAM

(603) 2297 8687 jade.tam@maybank-ib.com
• Consumer Staples

TEE Sze Chiah Head of Retail Research (603) 2082 6858 szechiah.t@maybank-ib.com

Nik Ihsan RAJA ABDULLAH, MSTA, CFTe (603) 2297 8694

nikmohdihsan.ra@maybank-ib.com

Amirah AZMI

(603) 2082 8769 amirah.azmi@maybank-ib.com • Retail Research

#### SINGAPORE

CHUA Su Tye (65) 6231 5842 chuasutye@maybank-ke.com.sg • REITs

LAI Gene Lih. CFA

(65) 6231 5832 laigenelih@maybank-ke.com.sg • Technology • Healthcare

Thilan WICKRAMASINGHE (65) 6231 5840 thilanw@maybank-ke.com.sg • Banks • Consumer

TAN Chin Poh Head of Retail Research (65) 6231 5928 chinpoh@maybank-ke.com.sg

Eric ONG

(65) 6231 5924 ericong@maybank-ke.com.sg • Retail Research

Matthew SHIM (65) 6231 5929

matthewshim@maybank-ke.com.sg

Retail Research

Kareen CHAN (65) 6231 5926 kareenchan@maybank-ke.com.sg • Retail Research

INDIA

Jigar SHAH Head of Research

(91) 22 4223 2632 jigar@maybank-ke.co.in

• Strategy • Oil & Gas • Automobile • Cement

Neeray DALAL

(91) 22 4223 2606 neerav@maybank-ke.co.in • Software Technology • Telcos

Vishal PERIWAL

(91) 22 4223 2605

vishalperiwal@maybank-ke.co.in

Infrastructure

Kshitiz PRASAD (91) 22 4223 2607

kshitiz@maybank-ke.co.in

Banks

#### INDONESIA

Isnaputra ISKANDAR Head of Research (62) 21 8066 8680

isnaputra.iskandar@maybank-ke.co.id
Strategy • Metals & Mining • Cement
• Autos • Consumer • Utility

Rahmi MARINA

(62) 21 8066 8689 rahmi.marina@maybank-ke.co.id • Banking & Finance

Aurellia SETIABUDI

(62) 21 8066 8691 aurellia.setiabudi@maybank-ke.co.id

 Property Luthfi RIDHO

(62) 21 8066 8690

luthfi.ridho@mavbank-ke.co.id

Macro/Strategy

#### **PHILIPPINES**

Katherine TAN (63) 2 8849 8843

kat\_tan@maybank-atrke.com
Banks • Conglomerates • Ports

Romel LIBO-ON

(63) 2 8849 8844

romel\_libo-on@maybank-atrke.com
• Property

(63) 2 8849 8839

Kayzer\_llanda@maybank-atrke.com
• Utilities

(63) 2 8849 8847 fredrickdaniel.deguzman@maybank.com

Fredrick De GUZMAN

Consumer

# THAILAND

Maria LAPIZ Head of Institutional Research Dir (66) 2257 0250 | (66) 2658 6300 ext 1399 Maria.L@maybank-ke.co.th

• Strategy • Consumer • Materials • Services

Teerapol UDOMVEJ, CFA (66) 2658 6300 ext 1394

teerapol.U@maybank-ke.co.th
• Healthcare Jesada TECHAHUSDIN, CFA

(66) 2658 6300 ext 1395 jesada.t@maybank-ke.co.th • Banking & Finance

Kaushal LADHA, CFA (66) 2658 6300 ext 1392 Kaushal.l@maybank-ke.co.th • Oil & Gas

Ekachai TARAPORNTIP Head of Retail Research (66) 2658 5000 ext 1530

Ekachai.t@maybank-ke.co.th Surachai PRAMUALCHAROENKIT

(66) 2658 5000 ext 1470 Surachai.p@maybank-ke.co.th · Auto · Conmat · Contractor · Steel

Suttatip PEERASUB (66) 2658 5000 ext 1430 suttatip.p@maybank-ke.co.th
• Media • Commerce

Jaroonpan WATTANAWONG (66) 2658 5000 ext 1404 jaroonpan.w@maybank-ke.co.th
• Transportation • Small cap

Thanatphat SUKSRICHAVALIT (66) 2658 5000 ext 1401 thanaphat.s@maybank-ke.co.th

· Media · Electronics Wiiit ARAYAPISIT (66) 2658 5000 ext 1450 wijit.a@maybank-ke.co.th

 Strategist Kritsapong PATAN (66) 2658 5000 ext 1310 kritsapong.p@maybank-ke.co.th

Chartist

VIETNAM

LE Hong Lien, ACCA Head of Institutional Research (84 28) 44 555 888 ext 8181 lien.le@maybank-kimeng.com.vn
• Strategy • Consumer • Diversified

LE Nguyen Nhat Chuyen (84 28) 44 555 888 ext 8082 chuyen.le@maybank-kimeng.com.vn

• Oil & Gas QUAN Trong Thanh (84 28) 44 555 888 ext 8184 thanh.quan@maybank-kimeng.com.vn

NGUYEN Thi Sony Tra Mi (84 28) 44 555 888 ext 8084 mi.nguven@mavbank-kimeng.com.vn

 Consumer Tyler Manh Dung Nguyen (84 28) 44 555 888 ext 8180 dung.nguyen@maybank-kimeng.com.vn
• Utilities

NGUYEN Thi Ngan Tuyen Head of Retail Research (84 28) 44 555 888 ext 8081 tuyen.nguyen@maybank-kimeng.com.vn
• Food & Beverage • Oil&Gas • Banking

(84 28) 44 555 888 ext 8086 thanhlam.nguyen@maybank-kimeng.com.vn Technical Analysis

NGUYEN Thanh Lam



#### APPENDIX I: TERMS FOR PROVISION OF REPORT, DISCLAIMERS AND DISCLOSURES

#### **DISCLAIMERS**

This research report is prepared for general circulation and for information purposes only and under no circumstances should it be considered or intended as an offer to sell or a solicitation of an offer to buy the securities referred to herein. Investors should note that values of such securities, if any, may fluctuate and that each security's price or value may rise or fall. Opinions or recommendations contained herein are in form of technical ratings and fundamental ratings. Technical ratings may differ from fundamental ratings as technical valuations apply different methodologies and are purely based on price and volume-related information extracted from the relevant jurisdiction's stock exchange in the equity analysis. Accordingly, investors' returns may be less than the original sum invested. Past performance is not necessarily a guide to future performance. This report is not intended to provide personal investment advice and does not take into account the specific investment objectives, the financial situation and the particular needs of persons who may receive or read this report. Investors should therefore seek financial, legal and other advice regarding the appropriateness of investing in any securities or the investment strategies discussed or recommended in this report.

The information contained herein has been obtained from sources believed to be reliable but such sources have not been independently verified by Maybank Investment Bank Berhad, its subsidiary and affiliates (collectively, "MKE") and consequently no representation is made as to the accuracy or completeness of this report by MKE and it should not be relied upon as such. Accordingly, MKE and its officers, directors, associates, connected parties and/or employees (collectively, "Representatives") shall not be liable for any direct, indirect or consequential losses or damages that may arise from the use or reliance of this report. Any information, opinions or recommendations contained herein are subject to change at any time, without prior notice.

This report may contain forward looking statements which are often but not always identified by the use of words such as "anticipate", "believe", "estimate", "intend", "plan", "expect", "forecast", "predict" and "project" and statements that an event or result "may", "will", "can", "should", "could" or "might" occur or be achieved and other similar expressions. Such forward looking statements are based on assumptions made and information currently available to us and are subject to certain risks and uncertainties that could cause the actual results to differ materially from those expressed in any forward looking statements. Readers are cautioned not to place undue relevance on these forward-looking statements. MKE expressly disclaims any obligation to update or revise any such forward looking statements to reflect new information, events or circumstances after the date of this publication or to reflect the occurrence of unanticipated events.

MKE and its officers, directors and employees, including persons involved in the preparation or issuance of this report, may, to the extent permitted by law, from time to time participate or invest in financing transactions with the issuer(s) of the securities mentioned in this report, perform services for or solicit business from such issuers, and/or have a position or holding, or other material interest, or effect transactions, in such securities or options thereon, or other investments related thereto. In addition, it may make markets in the securities mentioned in the material presented in this report. One or more directors, officers and/or employees of MKE may be a director of the issuers of the securities mentioned in this report to the extent permitted by law.

This report is prepared for the use of MKE's clients and may not be reproduced, altered in any way, transmitted to, copied or distributed to any other party in whole or in part in any form or manner without the prior express written consent of MKE and MKE and its Representatives accepts no liability whatsoever for the actions of third parties in this respect.

This report is not directed to or intended for distribution to or use by any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction where such distribution, publication, availability or use would be contrary to law or regulation. This report is for distribution only under such circumstances as may be permitted by applicable law. The securities described herein may not be eligible for sale in all jurisdictions or to certain categories of investors. Without prejudice to the foregoing, the reader is to note that additional disclaimers, warnings or qualifications may apply based on geographical location of the person or entity receiving this report.

### Malaysia

Opinions or recommendations contained herein are in the form of technical ratings and fundamental ratings. Technical ratings may differ from fundamental ratings as technical valuations apply different methodologies and are purely based on price and volume-related information extracted from Bursa Malaysia Securities Berhad in the equity analysis.

# Singapore

This report has been produced as of the date hereof and the information herein may be subject to change. Maybank Kim Eng Research Pte. Ltd. ("Maybank KERPL") in Singapore has no obligation to update such information for any recipient. For distribution in Singapore, recipients of this report are to contact Maybank KERPL in Singapore in respect of any matters arising from, or in connection with, this report. If the recipient of this report is not an accredited investor, expert investor or institutional investor (as defined under Section 4A of the Singapore Securities and Futures Act), Maybank KERPL shall be legally liable for the contents of this report, with such liability being limited to the extent (if any) as permitted by law.

# Thailand

Except as specifically permitted, no part of this presentation may be reproduced or distributed in any manner without the prior written permission of Maybank Kim Eng Securities (Thailand) Public Company Limited. ("MBKET") accepts no liability whatsoever for the actions of third parties in this respect.

Due to different characteristics, objectives and strategies of institutional and retail investors, the research reports of MBKET Institutional and Retail Research Department may differ in either recommendation or target price, or both. MBKET Retail Research is intended for retail investors (http://kelive.maybank-ke.co.th) while Maybank Kim Eng Institutional Research is intended only for institutional investors based outside Thailand only.

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 Exchange 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 may be changed after that date. MBKET does not confirm nor certify the accuracy of such survey result.

The disclosure of the Anti-Corruption Progress Indicators of a listed company on the Stock Exchange of Thailand, which is assessed by Thaipat Institute, is made in order to comply with the policy and sustainable development plan for the listed companies of the Office of the Securities and Exchange Commission. Thaipat Institute made this assessment based on the information received from the listed company, as stipulated in the form for the assessment of Anti-corruption which refers to the Annual Registration Statement (Form 56-1), Annual Report (Form 56-2), or other relevant documents or reports of such listed company. The assessment result is therefore made from the perspective of Thaipat Institute that is a third party. It is not an assessment of operation and is not based on any inside information. Since this assessment result as of the date appearing in the assessment result, it may be changed after that date or when there is any change to the relevant information. Nevertheless, MBKET does not confirm, verify, or certify the accuracy and completeness of the assessment result.

#### US

This third-party research report is distributed in the United States ("US") to Major US Institutional Investors (as defined in Rule 15a-6 under the Securities Exchange Act of 1934, as amended) only by Maybank Kim Eng Securities USA Inc ("Maybank KESUSA"), a broker-dealer registered in the US (registered under Section 15 of the Securities Exchange Act of 1934, as amended). All responsibility for the distribution of this report by Maybank KESUSA in the US shall be borne by Maybank KESUSA. This report is not directed at you if MKE is prohibited or restricted by any legislation or regulation in any jurisdiction from making it available to you. You should satisfy yourself before reading it that Maybank KESUSA is permitted to provide research material concerning investments to you under relevant legislation and regulations. All U.S. persons receiving and/or accessing this report and wishing to effect transactions in any security mentioned within must do so with: Maybank Kim Eng Securities USA Inc. 400 Park Avenue, 11th Floor, New York, New York 10022, 1-(212) 688-8886 and not with, the issuer of this report.



#### UK

This document is being distributed by Maybank Kim Eng Securities (London) Ltd ("Maybank KESL") which is authorized and regulated, by the Financial Conduct Authority and is for Informational Purposes only. This document is not intended for distribution to anyone defined as a Retail Client under the Financial Services and Markets Act 2000 within the UK. Any inclusion of a third party link is for the recipients convenience only, and that the firm does not take any responsibility for its comments or accuracy, and that access to such links is at the individuals own risk. Nothing in this report should be considered as constituting legal, accounting or tax advice, and that for accurate guidance recipients should consult with their own independent tax advisers.

### **DISCLOSURES**

#### **Legal Entities Disclosures**

Malaysia: This report is issued and distributed in Malaysia by Maybank Investment Bank Berhad (15938- H) which is a Participating Organization of Bursa Malaysia Berhad and a holder of Capital Markets and Services License issued by the Securities Commission in Malaysia. Singapore: This report is distributed in Singapore by Maybank KERPL (Co. Reg No 198700034E) which is regulated by the Monetary Authority of Singapore. Indonesia: PT Maybank Kim Eng Securities ("PTMKES") (Reg. No. KEP-251/PM/1992) is a member of the Indonesia Stock Exchange and is regulated by the Financial Services Authority (Indonesia). Thailand: MBKET (Reg. No.0107545000314) is a member of the Stock Exchange of Thailand and is regulated by the Ministry of Finance and the Securities and Exchange Commission. Philippines: Maybank ATRKES (Reg. No.01-2004-00019) is a member of the Philippines Stock Exchange and is regulated by the Securities and Exchange Commission. Vietnam: Maybank Kim Eng Securities Limited (License Number: 117/GP-UBCK) is licensed under the State Securities Commission of Vietnam. Hong Kong: KESHK (Central Entity No AAD284) is regulated by the Securities and Futures Commission. India: Kim Eng Securities India Private Limited ("KESI") is a participant of the National Stock Exchange of India Limited and the Bombay Stock Exchange and is regulated by Securities and Exchange Board of India ("SEBI") (Reg. No. INZ000010538). KESI is also registered with SEBI as Category 1 Merchant Banker (Reg. No. INM 000011708) and as Research Analyst (Reg No: INH000000057) US: Maybank KESUSA is a member of/ and is authorized and regulated by the Financial Conduct Authority.

# Disclosure of Interest

Malaysia: MKE and its Representatives may from time to time have positions or be materially interested in the securities referred to herein and may further act as market maker or may have assumed an underwriting commitment or deal with such securities and may also perform or seek to perform investment banking services, advisory and other services for or relating to those companies.

Singapore: As of 20 December 2019, Maybank KERPL and the covering analyst do not have any interest in any companies recommended in this research report.

Thailand: MBKET may have a business relationship with or may possibly be an issuer of derivative warrants on the securities /companies mentioned in the research report. Therefore, Investors should exercise their own judgment before making any investment decisions. MBKET, its associates, directors, connected parties and/or employees may from time to time have interests and/or underwriting commitments in the securities mentioned in this report.

Hong Kong: As of 20 December 2019, KESHK and the authoring analyst do not have any interest in any companies recommended in this research report.

India: As of 20 December 2019, and at the end of the month immediately preceding the date of publication of the research report, KESI, authoring analyst or their associate / relative does not hold any financial interest or any actual or beneficial ownership in any shares or having any conflict of interest in the subject companies except as otherwise disclosed in the research report.

In the past twelve months KESI and authoring analyst or their associate did not receive any compensation or other benefits from the subject companies or third party in connection with the research report on any account what so ever except as otherwise disclosed in the research report.

MKE may have, within the last three years, served as manager or co-manager of a public offering of securities for, or currently may make a primary market in issues of, any or all of the entities mentioned in this report or may be providing, or have provided within the previous 12 months, significant advice or investment services in relation to the investment concerned or a related investment and may receive compensation for the services provided from the companies covered in this report.

# **OTHERS**

#### **Analyst Certification of Independence**

The views expressed in this research report accurately reflect the analyst's personal views about any and all of the subject securities or issuers; and no part of the research analyst's compensation was, is or will be, directly or indirectly, related to the specific recommendations or views expressed in the report.

# Reminder

Structured securities are complex instruments, typically involve a high degree of risk and are intended for sale only to sophisticated investors who are capable of understanding and assuming the risks involved. The market value of any structured security may be affected by changes in economic, financial and political factors (including, but not limited to, spot and forward interest and exchange rates), time to maturity, market conditions and volatility and the credit quality of any issuer or reference issuer. Any investor interested in purchasing a structured product should conduct its own analysis of the product and consult with its own professional advisers as to the risks involved in making such a purchase.

No part of this material may be copied, photocopied or duplicated in any form by any means or redistributed without the prior consent of MKE.

# **Definition of Ratings**

Maybank Kim Eng Research uses the following rating system

BUY Return is expected to be above 10% in the next 12 months (including dividends)

HOLD Return is expected to be between 0% to 10% in the next 12 months (including dividends)

SELL Return is expected to be below 0% in the next 12 months (including dividends)

# Applicability of Ratings

The respective analyst maintains a coverage universe of stocks, the list of which may be adjusted according to needs. Investment ratings are only applicable to the stocks which form part of the coverage universe. Reports on companies which are not part of the coverage do not carry investment ratings as we do not actively follow developments in these companies.

December 20, 2019



# Malaysia

Maybank Investment Bank Berhad (A Participating Organisation of Bursa Malaysia Securities Berhad) 33rd Floor, Menara Maybank, 100 Jalan Tun Perak, 50050 Kuala Lumpur Tel: (603) 2059 1888;

Fax: (603) 2078 4194

Stockbroking Business: Level 8, Tower C, Dataran Maybank, No.1, Jalan Maarof 59000 Kuala Lumpur Tel: (603) 2297 8888

# Philippines

Maybank ATR Kim Eng Securities Inc. 17/F, Tower One & Exchange Plaza Ayala Triangle, Ayala Avenue Makati City, Philippines 1200

Tel: (63) 2 8849 8888 Fax: (63) 2 8848 5738

# South Asia Sales Trading

Kevin Foy Regional Head Sales Trading kevinfoy@maybank-ke.com.sg Tel: (65) 6636-3620 US Toll Free: 1-866-406-7447

#### Indonesia

lwan Atmadjaja iatmadjaja2@bloomberg.net (62) 21 8066 8555

New York James Lynch jlynch@maybank-keusa.com Tel: (212) 688 8886

**Philippines** Keith Roy

keith\_roy@maybank-atrke.com Tel: (63) 2 848-5288

Fax: (603) 2282 5136

# Singapore

Maybank Kim Eng Securities Pte Ltd Maybank Kim Eng Research Pte Ltd 50 North Canal Road Singapore 059304

Tel: (65) 6336 9090

# Hong Kong

Kim Eng Securities (HK) Ltd 28/F, Lee Garden Three, 1 Sunning Road, Causeway Bay, Hong Kong

Tel: (852) 2268 0800 Fax: (852) 2877 0104

# Thailand

Maybank Kim Eng Securities (Thailand) Public Company Limited 999/9 The Offices at Central World, 20<sup>th</sup> - 21<sup>st</sup> Floor, Rama 1 Road Pathumwan, Bangkok 10330, Thailand

Tel: (66) 2 658 6817 (sales) Tel: (66) 2 658 6801 (research)

# North Asia Sales Trading

Andrew Lee andrewlee@kimeng.com.hk Tel: (852) 2268 0283 US Toll Free: 1 877 837 7635

London Greg Smith gsmith@maybank-ke.co.uk

Tel: (44) 207-332-0221 India

Sanjay Makhija sanjaymakhija@maybank-ke.co.in Tel: (91)-22-6623-2629

# London

Maybank Kim Eng Securities (London) Ltd PNB House 77 Queen Victoria Street London EC4V 4AY, UK

Tel: (44) 20 7332 0221 Fax: (44) 20 7332 0302

#### Indonesia

PT Maybank Kim Eng Securities Sentral Senayan III, 22<sup>nd</sup> Floor Jl. Asia Afrika No. 8 Gelora Bung Karno, Senayan Jakarta 10270, Indonesia

Tel: (62) 21 2557 1188 Fax: (62) 21 2557 1189

#### **Vietnam**

Maybank Kim Eng Securities Limited 4A-15+16 Floor Vincom Center Dong Khoi, 72 Le Thanh Ton St. District 1 Ho Chi Minh City, Vietnam

Tel: (84) 844 555 888 Fax: (84) 8 38 271 030

# New York

Maybank Kim Eng Securities USA 400 Park Avenue, 11th Floor New York, New York 10022, U.S.A.

Tel: (212) 688 8886 Fax: (212) 688 3500

# India

Kim Eng Securities India Pvt Ltd 1101, 11th floor, A Wing, Kanakia Wall Street, Chakala, Andheri Kurla Road, Andheri East, Mumbai City - 400 093, India

Tel: (91) 22 6623 2600 Fax: (91) 22 6623 2604

#### Saudi Arabia

In association with Anfaal Capital Ground Floor, KANOO Building No.1 - Al-Faisaliyah, Madina Road, P.O.Box 126575 Jeddah 21352 Kingdom of Saudi Arabia

Tel: (966) 920023423

www.maybank-ke.com | www.maybank-keresearch.com