Chip Eng Seng Corporation Ltd

Profits almost secured for the next 3 years

Bloomberg | Reuters | POEMS CHIP SP | CESE.SI | CES.SG Industry: Property/Construction

Phillip Securities Research Pte Ltd

PhillipCapital

Your Partner In Finance

Report type: Non-rated note

Company Overview

Chip Eng Seng Corporation Limited specializes in building construction activities in the private and public sector. The Company also owns, develops, and invests in properties.

In this report, we provide a quick summary of the business for Chip Eng Seng (CES). However, we do not commit to an active coverage and do not have a rating on the stock.

Investment merits

We identified 3 drivers that could underpin its NAV growth for the next 3 years:

(1) Increased public housing construction to support construction demand.

(2) Residential projects under development are mostly fully/substantially sold providing relatively secure earnings outlook. We estimate the net margins of these projects ranging 8% to 33%, which could translate to accretion of \sim \$0.51 per share.

(3) High selling price achieved at Alexandra Central stratatitled retail units to further boost accretion to NAV by \sim \$0.331 based on our estimates.

Key risks

The business nature exposes the company to risk of increase in labour costs and building material costs that could affect its margins, and further cooling measures for the property market could affect its future residential sales progress and prices. Its upcoming hotel business is very much dependent on tourist arrivals to Singapore.

Valuation

Its NAV is \$0.6481 as of 3QFY12, and the current trading price implies P/B of 1.27x. If we take into consideration the accretions from its projects under development, the NAV is set to grow to \$1.49 by end-2015 (before distribution of earnings as dividends). This value is reasonably safe to achieve in our view given that its residential projects and the strata-titled retail units at Alexandra Central have substantially been sold. These estimates have yet to factor in potential surplus to be generated from the other projects in its landbank, and the potential profits from its construction contracts worth \$645mn. Despite the strong share price performance in the past month, we opine that the stock valuation is still inexpensive considering its high intrinsic value to be realized in the next 3 years. We do not have a rating on CES.

		2	20 Februar	y 2013
Chip Eng Seng Corporation	Ltd			
Rating		n.a.	Not Rated	
- Previous Rating		n.a.	Not Rated	
Target Price (SGD)		n.a.		
- Previous Target Price (SGD,)	n.a.		
Closing Price (SGD)		0.820		
Expected Capital Gains (%)		n.a.		
Expected Dividend Yield (%)		n.a.		
Expected Total Return (%)		n.a.		
Raw Beta (Past 2yrs w eekly d	lata)	1.27		
Market Cap. (USD mn / SGD mr	ר)	433 / 536		
Enterprise Value (USD mn / SG		686 / 847		
3M Average Daily T/O (mn)		4.6		
52 w eek range (SGD)	(0.37 - 0.90	5	
Closing Price in 52 w eek range	9			
		1	1 1	
1.00 r		0%	50% 1009	% г 25
0.90 -				
0.80 -			1 B	∬- 20
0.70 -			5	- 15
0.60 -			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	- 10
0.50 -				- 5
0.40 -		and in	والمراقي المترارين	
0.30			7	- 0
May-12 Feb-12	-gu		Nov-12	
12	12		12	
Volume, mn	— CHIP SP	EQUITY	——— STI rebas	ed
Major Shareholders				(%)
1. Tiam Seng Lim				12.7
2. Tiang Chuan Lim				6.8
3. Yong Keng Tan				4.9
Key Financial Summary				
FYE	12/08	12/09		12/11
Revenue (SGD mn)	355	376	477	360
Net Profit, adj. (SGD mn)	45	73	172	119
EPS, adj. (SGD)	0.07	0.11	0.26	0.18
P/E (X),adj.	12.2	7.4	3.2	4.6
BVPS (SGD)	0.28	0.25	0.49	0.63
P/B (X)	3.0	3.3	1.7	1.3
DPS (SGD)	0.01	0.03	0.04	0.04
Div. Yield (%)	0.9%	3.6%	4.8%	4.8%
Source: Bloomberg, PSR est.				
*All multiplan & violda based or	ourront r	markat aria	^	

*All multiples & yields based on current market price

Analyst Bryan Go gock@phillip.com.sg +65 6531 1792



Construction business

The group construction business is undertaken by Chip Eng Seng Contractors (1988) Pte Ltd (CESC) and CES Engineering & Construction Pte Ltd (CESE). The construction segment has strong track record in both public and private housing projects, that include the iconic 1,848-The Pinnacle@Duxton, HDB flats 1,394-unit unit Queenstown Re-development Contract 25, and 659-unit The Parc Condominium at West Coast Road. CESC is registered with the Building and Construction Authority of Singapore (BCA) under the A1 classification for general building and A1 classification for civil engineering, which allows the group to tender for public sector projects of unlimited value.

Property development and investment

The property development business is undertaken by CEL Development Pte Ltd (CEL). It ventured into property development and investment in 1991. The first investment property is 69 Ubi Crescent which currently serves as its corporate office. Since then, CES has successfully developed and marketed several residential property projects in partnership with reputable funds such as Citadel Equity Fund Ltd, as well as local developers such as NTUC ChoiceHomes Co-operative Ltd and Keppel Land Ltd.

Currently CES has 6 projects under development totaling 2,300 residential units. Its landbank include a mixed development site at Perth, Western Australia which could yield 239 residential units. In end-January, CES was awarded by HDB another mixed development site at Yishun Ring Road which could yield around 160 units of apartment and a 2 - 3 levels retail podium. Besides residential projects, CES is developing a light industrial building at Pasir Panjang Road, as well as a 450-room hotel cum retail development at Alexandra Road known as Alexandra Central.

Financial

Revenue streams of the company come mainly from the property development and construction segments. Revenue from property sales is increasingly significant as the company take on more development projects in recent years. The segment reported \$152mn sales in FY11. Construction business trended down to \$205.9mn in FY11 from the peak of \$331.3mn in FY09.

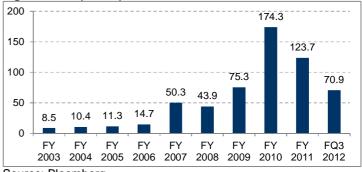




Despite the ups and downs in the Singapore property market, CES managed to stay profitable throughout the past decade. PATMI peaked in FY10 at \$174.3mn and trended lower to \$123.7mn in FY11. For the 9MFY12, PATMI was \$70.9mn. Net margins for construction business are improving in recent years, and achieved 34.8% in FY11. Net margins of property development segment were distorted by contributions from associated companies.

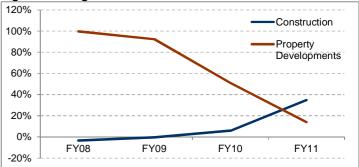
For the next 3 years, we identified 3 factors that could underpin its earnings: construction business, residential projects under development, and the Alexandra Central.

Fig 2: PATMI (S\$'mn)



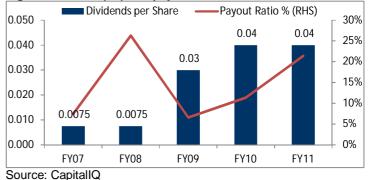
Source: Bloomberg

Fig 3: Net margin



Source: CapitalIQ

Fig 4: Dividends (S\$) and payout ratio



Growth driver #1 – strong demand from public housing construction

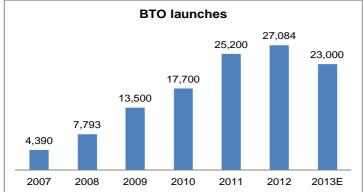
Construction demand for HDB flats has been on the rise since 2007 when the government ramped up the public housing supply through build-to-order (BTO) scheme. There were 25,200 units of HDB flats launched through the BTO



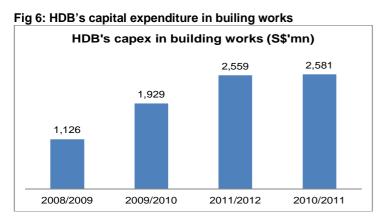


scheme in 2011 and 27,000 in 2012. This year, HDB indicates that a further 23,000 flats will be launched. Given the ramped up supply of HDB flats thru BTO, the demand for construction services in the public housing sector is expected to sustain at this elevated level for the next 2 years. Based on BCA projection, public sector construction is expected to increase from \$9.3bn in 2012 to \$14bn to 17bn in 2013, and to sustain at \$11bn to 14bn per year in 2014 and 2015. Of which, more than 56% of the contract value will be coming from building work of residential, commercial and industrial properties.

Fig 5: BTO launches



Source: HDB



Source: HDB

Fig 7: Review and outlook for construction demand & output (year 2012-2015)

	nstruction Demand of Contracts Award	ed)			
	Public	Private	Total		
2012p	\$9.3 billion	\$18.8 billion	\$28.1 billion		
2013f	\$14 to17 billion	\$12 to 15 billion	\$26 to 32 billion		
2014f	\$11 to 14 billion per year		\$20 to 28 billio		
2015f	(60% from building projects & 40% from civil engineering projects)	-	per year		

Source: BCA

With the highest classification of A1 in both general building and civil engineering, CESC is capable of tendering for public sector projects of unlimited value. That will definitely allow the construction company to ride on the bandwagon of rising construction demand in public works. As of 3Q12, CES has secured construction contracts worth \$645mn. The new projects clinched include Bukit Panjang Neighbourhood 4 Contract 15, Bukit Batok Neighbourhood 1 Contract 13 and Bukit Batok Neighbourhood 2 Contract 23.

Growth driver #2 - strong pre-sale in residential projects

The 6 residential projects currently under development will be completing in the next 3 years. We note that out of the 2,300 units under construction, more than 87% (or 2,005 units) had already been sold as of 4Q12. That makes the earning visibility of CES highly reliable for the next 3 years as sales will be recognized progressively for the local private residential projects and upon completion for DBSS, ECs, industrial and overseas projects.

		No of	Exp.	Effective		ASP	GDV
Project	Туре	Units	TOP	interest	% sold	(S\$psf)	(S\$mn)
Under develo	opmemt						
33M							
(Melbourne)	Condo	388	2012	100%	100%	1,000	226.0
Prive	EC	680	2013	40%	100%	670	486.7
Belysa	EC	315	2013	40%	100%	660	225.9
My							
Manhattan	Condo	301	2014	100%	74%	1,150	727.7
Belvia	DBSS	488	2014	100%	79%	600	301.4
Fulcrum	Condo	128	2015	100%	11%	2,100	232.2
Total		2300					2,200.0
Landbank							
	Resi +						
Yishun	Retail	~160		100%			
Perth	Mixed	239		75%			
Melbourne		581					
Total		980					

Fig. 8: Posidential development projects pipeline of CES

The gross development value (GDV) for these projects under development totaling \$2.2bn. We estimate the net margins of these projects ranging 8% to 33%, which could translate to surplus of ~\$340mn to CES on effective basis. That equates to accretion of about \$0.51 per share to its book value.

Growth driver #3 – Alexandra Central

CES took a step further to diversify its investment portfolio in late-2011 by tendering for a hotel site located at the junction of Alexandra Road and Jalan Bukit Merah for \$189mn, or \$789psf per plot ratio of the site. The development will be featuring a 450-room 4-star hotel, which will be managed by Park Hotel Group upon completion in 2015, and a 3-level retail mall. This venture turned out to be a sweet spot for CES when it launched the strata-titled shop units for sale in



Jan 2013. According to media reports, all but 2 units were sold on the first day of launch at the price ranging from \$4,000 to \$7,000psf. Based on the assumptions of \$500k per key for the hotel, and \$5,000psf ASP for the retail space, we estimate the potential surplus from this development amounts to ~\$220mn after tax. That equates to accretion of ~\$0.331 per share to shareholders.

Fig 9: Estimated	surnlus from	Alexandra	Central project
ing s. Estimated	Sulpius II VIII	Alchundia	

Alexandra Central		
	<u>sf</u>	
Site GFA	239,399	
Hotel floor area	143,640	
Retail floor area	95,760	
	<u>S\$</u>	<u>S\$ psf</u>
Land tender price	189,000,000	789
Construction cost	143,639,544	600
Other profesional fees (10%)	14,363,954	60
Total development cost ^a	347,003,498	1,449
Retail efficiency (ratio)	0.8	
Retail valuation	383,038,784	5,000 psf
Hotel valuation (450-room)	225,000,000	500,000 per key
GDV ^b	608,038,784	
Surplus before tax (b-a)	261,035,286	
Surplus after tax	219,514,930	
per share before tax	0.394	
per share after tax	0.331	

Source: Company, PSR estimates

Fig 10: Artist's impression of Alexandra Central

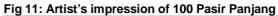


Source: Company

Other projects in the pipeline and landbank 100 Pasir Panjang

CES has on its stable a freehold industrial site located at Pasir Panjang Road which could yield 66 B1 industrial units. CES did a preview of this development to selected buyers in Dec 2012. The project is slated for completion in 2014.

PhillipCapital





Source: Company

Yishun mixed-use development

In January this year, CES won another land tender for a mixed development site at Yishun Ring Rd / Yishun Ave 9 for \$212.1mn, or \$795psf per plot ratio. The site can be developed into 40%-commercial and 60%-residential. We estimate CES can breakeven the development cost at \$800psf for the residential units and \$2,800psf for the retail component. ASP achieved at nearby projects Eight Courtyards and 1 Canberra were \$808psf and \$699psf respectively, while Skies Miltonia with view of Orchid Golf and Country Club and the Lower Seletar Reservoir fetched \$1057psf on average. Comparable of similar strata-title retail space in the vicinity is however not available. Given the manageable size of 160-unit residential component and its mixed development concept, the project likely to be wellreceived by home buyers in our opinion, even after the significant cooling measures introduced in mid-Jan. The management has not decided on whether to sell the commercial space or to keep it as investment property.

Tower Melbourne

This is CES's second residential project in Melbourne, consists of 581 residential units, and 770sqm of commercial space on level 1. Development approval had been obtained in last Dec and is targeted to complete in 2016.

NAV set to swell

Its NAV is \$0.6481 as of 3QFY12, and the current trading price implies P/B of 1.27x. If we take into consideration the accretions from the 6 residential projects under development to be recognized over the next 3 years, and the Alexandra Central which will be completed in 2015, the NAV is set to grow to \$1.49 by end-2015 (before distribution of earnings as dividends). This value is reasonably safe to achieve in our view given that its residential projects and the strata-titled retail units at Alexandra Central have substantially been sold. This estimate has yet to factor in potential surplus to be generated from the other projects in its landbank which is either still in early stage of development or have not





publicly launched for sale, and the potential profits from its construction contracts worth \$645mn.

Its share price performed exceptionally well since mid-Jan after the launch of retail units for sale at Alexandra Central on 21 Jan, appreciated by around 40%. Despite the strong performance, we opine that the stock valuation is still inexpensive considering its high intrinsic value to be realized in the next 3 years.

Fig 12: Price chart of Chip Eng Seng



Source: Bloomberg

Key risks

As construction business is labour-intensive in nature, labour cost for builders is expected to come under pressure as the government is tightening the tap of foreign labour inflow.

Margin of construction business could be affected by fluctuation in building material costs.

Further cooling measures introduced by the government will have an impact on its future residential sales.

Oversupply in hotel rooms or fall in tourist arrivals may have a negative impact on hotel operating income and valuation.





FYE Dec	FY08	FY09	FY10	FY11
Valuation Ratios				
P/E (X), adj.	12.1	7.4	3.2	4.6
Р/В (Х)	3.0	3.3	1.7	1.3
EV/EBITDA (X), adj.	224.4	(401.0)	23.4	7.1
Dividend Yield (%)	0.9%	3.7%	4.9%	4.9%
Per share data (SGD)				
EPS, reported	0.07	0.11	0.26	0.19
EPS, adj.	0.07	0.11	0.26	0.18
DPS	0.0075	0.0300	0.0400	0.0400
BVPS	0.28	0.25	0.49	0.63
Growth & Margins (%)				
Growth				
Revenue	76.3%	6.2%	26.7%	-24.5%
EBITDA	-8.1%	-155.9%	-1810.8%	231.9%
EBIT	-29.6%	-207.3%	-1227.5%	238.2%
Net Income, adj.	-11.5%	64.2%	135.5%	-31.2%
Margins				
EBITDA margin	1.1%	-0.6%	7.6%	33.3%
EBIT margin	0.8%	-0.8%	7.3%	32.9%
Net Profit Margin	12.4%	20.0%	36.5%	34.4%
Key Ratios				
ROE (%)	25.4%	43.0%	71.8%	33.6%
ROA (%)	10.0%	14.4%	26.0%	13.5%
Net Debt/(Cash)	138	37	151	254
Net Gearing (X)	0.75	0.23	0.47	0.61
Income Statement (SGD mn)				
Revenue	355	376	477	360
EBITDA	4	(2)	36	120
Depreciation & Amortisation	1	1	1	2
EBIT	3	(3)	35	118
Net Finance (Expense)/Income	2	1	3	2
Other items	0	0	0	0
Associates & JVs	49	85	144	24
Profit Before Tax	49	78	177	142
Taxation	(5)	(3)	(3)	(18)
Profit After Tax	44	75	174	124
Non-controlling Interest	(0)	0	0	0
Net Income, reported	44	75	174	124
Net Income, adj.	45	73	172	119
Courses Bloomborg, DCD				

Source: Bloomberg, PSR



FYE Dec	FY08	FY09	FY10	FY11
Balance Sheet (SGD mn)				
PPE	3	3	7	12
Intangibles	0	0	0	0
Associates & JVs	106	78	110	13
Investment/Development Property	30	30	97	139
Others	116	37	46	53
Total non-current assets	255	148	260	217
Inventories	7	3	3	1
Accounts Receivables	97	152	84	136
Development property	133	119	319	458
Cash	48	76	134	156
Others	9	1	44	22
Total current assets	294	352	583	773
Total Assets	549	500	843	991
Short term loans	101	25	116	63
Accounts Payables	134	121	99	96
Others	43	99	133	60
Total current liabilities	278	244	348	218
Long term loans	86	89	169	347
Others	0	1	6	9
Total non-current liabilities	86	90	175	356
Non-controlling interest	0	0	0	0
Shareholder Equity	185	165	320	417
Cashflow Statements (SGD mn)				
CFO				
PBT	49	78	177	142
Adjustments	(36)	(87)	(161)	(26)
Cash from ops before WC changes	12	(9)	16	116
WC changes	(67)	82	(189)	(280)
Cash generated from ops	(55)	74	(172)	(165)
Taxes paid, net	(2)	(5)	3	(1)
Interest paid	(0)	(4)	11	3
Cashflow from ops	(57)	65	(158)	(163)
CFI				
CAPEX, net	(1)	(1)	(5)	(6)
Dividends from associates & JVs	5	21	123	125
Dividends/Interest from Investments	0	0	0	0
Purchase/sale of investments	0	0	0	0
Investments in subs & associates	(11)	20	11	5
Others	0	0	0	0
Cashflow from investments	(7)	41	129	124
CFF				
Share issuance	0	0	0	0
Purchase of treasury shares	0	0	0	0
Loans, net of repayments	101	(73)	171	125
Dividends to minority interests	0	0	(0)	0
Dividends to shareholders & capital reduction	(12)	(5)	(20)	(26)
Others	0	0	(65)	(37)
Cashflow from financing	89	(77)	87	61
Net change in cash	25	28	57	22
Effects of exchange rates	0	0	0	0
CCE, end	48	76	134	156
Source: Bloomberg, PSR				

Source: Bloomberg, PSR





1 -1	arket Price				·r	·	Sour	ce: B	loomb	erg, F	SR
	rget Price		-+	+		. <u> </u>					
.8			-+			. 	-		ļļ	<u> </u>	
.7 ++			-+	+	· 	· ∔			∔-∱-		
.6 +			-+	+	· <u>+</u>	· 					
.5 ++		/^h		+	<i>ba</i>	ትላ	-+		÷		
.4				-	<i>مر</i> م	- <u> </u> }	- inver				
.3 +++	+-				+	+					
.2 ++			-+	+	·+	· †	·-+				
.1 ++				+	+	+					
			÷		+		÷		_ <u>+</u>	+	
Jun-10 Mar-10 Dec-09	Dec-1 Sep-1	Mar-1	Jun-1	Sep-1	Dec-1	Mar-12	Jun-12	Sep-12	Dec-12	Mar-	
6 <u>-</u>		÷	÷	<u> </u>	¥ ÷	<u></u>	<u>-</u>	÷	¥.	÷	-
1		····		Į]					
			·-+		<u> </u>	 	-+				
4 +			-+	· 	+ +	 		-+			
4 +	·····	 			+ +	 	-+ -+				
4 +		¥			+ +	 					
4 +	em					 					
A ++ 5	em Recomr	nendati	ion R	ating	+ +	↓ ↓	-+				
4 ++ 5 SR Rating Syste		nendati	ion Ra	ating	+ +	 	- - - - -				
A ++ 5 BR Rating Syste otal Returns +20%	Recomm			ating	 	 					
4	Recom r Buy		1	ating		 					
3 ++ 5 5	Recom ir Buy Accumu		1 2	ating	+ - - - - - - - - - - -	 					
4 ++ 5 5 5 5 7 5 7 7 7 7 7 7 7 7 7 7 7 7 7	Recom r Buy Accumul Neutral		1 2 3	ating		 					
4 ++ 5+ SR Rating Syste SR Rating S	Recomr Buy Accumul Neutral Reduce		1 2 3 4	ating							
4 ++ 5+ SR Rating Syste total Returns +20% % to +20% % to +5% % to -20%	Recomm Buy Accumul Neutral Reduce Sell	late	1 2 3 4 5		e abo		Jantii	ative	return		





Important Information

This publication is prepared by Phillip Securities Research Pte Ltd., 250 North Bridge Road, #06-00, Raffles City Tower, Singapore 179101 (Registration Number: 198803136N), which is regulated by the Monetary Authority of Singapore ("Phillip Securities Research"). By receiving or reading this publication, you agree to be bound by the terms and limitations set out below.

This publication has been provided to you for personal use only and shall not be reproduced, distributed or published by you in whole or in part, for any purpose. If you have received this document by mistake, please delete or destroy it, and notify the sender immediately. Phillip Securities Research shall not be liable for any direct or consequential loss arising from any use of material contained in this publication.

The information contained in this publication has been obtained from public sources, which Phillip Securities Research has no reason to believe are unreliable and any analysis, forecasts, projections, expectations and opinions (collectively, the "Research") contained in this publication are based on such information and are expressions of belief of the individual author or the indicated source (as applicable) only. Phillip Securities Research has not verified this information and no representation or warranty, express or implied, is made that such information or Research is accurate, complete, appropriate or verified or should be relied upon as such. Any such information or Research contained in this publication is subject to change, and Phillip Securities Research shall not have any responsibility to maintain or update the information or Research made available or to supply any corrections, updates or releases in connection therewith. In no event will Phillip Securities Research or persons associated with or connected to Phillip Securities Research, including but not limited its officers, directors, employees or persons involved in the preparation or issuance of this report, (i) be liable in any manner whatsoever for any consequences (including but not limited to any special, direct, incidental or consequential losses, loss of profits and damages) of any reliance or usage of this publication or (ii) accept any legal responsibility from any person who receives this publication, even if it has been advised of the possibility of such damages. You must make the final investment decision and accept all responsibility for your investment decision, including, but not limited to your reliance on the information, data and/or other materials presented in this publication.

Any opinions, forecasts, assumptions, estimates, valuations and prices contained in this material are as of the date indicated and are subject to change at any time without prior notice.

Past performance of any product referred to in this publication is not indicative of future results.

This report does not constitute, and should not be used as a substitute for, tax, legal or investment advice. This publication should not be relied upon exclusively or as authoritative, without further being subject to the recipient's own independent verification and exercise of judgment. The fact that this publication has been made available constitutes neither a recommendation to enter into a particular transaction, nor a representation that any product described in this material is suitable or appropriate for the recipient. Recipients should be aware that many of the products, which may be described in this publication involve significant risks and may not be suitable for all investors, and that any decision to enter into transactions involving such products should not be made, unless all such risks are understood and an independent determination has been made that such transactions would be appropriate. Any discussion of the risks contained herein with respect to any product should not be considered to be a disclosure of all risks or a complete discussion of such risks.

Nothing in this report shall be construed to be an offer or solicitation for the purchase or sale of any product. Any decision to purchase any product mentioned in this research should take into account existing public information, including any registered prospectus in respect of such product.

Phillip Securities Research, or persons associated with or connected to Phillip Securities Research, including but not limited to its officers, directors, employees or persons involved in the preparation or issuance of this report, may provide an array of financial services to a large number of corporations in Singapore and worldwide, including but not limited to commercial / investment banking activities (including sponsorship, financial advisory or underwriting activities), brokerage or securities trading activities. Phillip Securities Research, or persons associated with or connected to Phillip Securities Research, including but not limited to its officers, directors, employees or persons involved in the preparation or issuance of this report, may have participated in or invested in transactions with the issuer(s) of the securities mentioned in this publication, and may have performed services for or solicited business from such issuers. Additionally, Phillip Securities Research, or persons associated with or connected to Phillip Securities Research, including but not limited to its officers, employees or persons involved in the preparation or issuance of this report, may have performed services for or solicited business from such issuers. Additionally, Phillip Securities Research, or persons associated with or connected to Phillip Securities Research, including but not limited to its officers, employees or persons involved in the





preparation or issuance of this report, may have provided advice or investment services to such companies and investments or related investments, as may be mentioned in this publication.

Phillip Securities Research or persons associated with or connected to Phillip Securities Research, including but not limited to its officers, directors, employees or persons involved in the preparation or issuance of this report may, from time to time maintain a long or short position in securities referred to herein, or in related futures or options, purchase or sell, make a market in, or engage in any other transaction involving such securities, and earn brokerage or other compensation in respect of the foregoing. Investments will be denominated in various currencies including US dollars and Euro and thus will be subject to any fluctuation in exchange rates between US dollars and Euro or foreign currencies and the currency of your own jurisdiction. Such fluctuations may have an adverse effect on the value, price or income return of the investment.

To the extent permitted by law, Phillip Securities Research, or persons associated with or connected to Phillip Securities Research, including but not limited to its officers, directors, employees or persons involved in the preparation or issuance of this report, may at any time engage in any of the above activities as set out above or otherwise hold a interest, whether material or not, in respect of companies and investments or related investments, which may be mentioned in this publication. Accordingly, information may be available to Phillip Securities Research, or persons associated with or connected to Phillip Securities Research, including but not limited to its officers, directors, employees or persons involved in the preparation or issuance of this report, which is not reflected in this material, and Phillip Securities Research, or persons associated with or connected to Phillip Securities Research, including but not limited to its officers, directors, employees or persons involved in the preparation or issuance of this report, which is not reflected in this material, and Phillip Securities Research, or persons associated with or connected to Phillip Securities Research, including but not limited to its officers, directors, employees or persons involved in the preparation or issuance of this report, may, to the extent permitted by law, have acted upon or used the information prior to or immediately following its publication. Phillip Securities Research, or persons associated with or connected to Phillip Securities Research, including but not limited its officers, directors, employees or persons involved in the preparation or issuance of this report, may have issued other material that is inconsistent with, or reach different conclusions from, the contents of this material.

The information, tools and material presented herein are not directed, intended for distribution to or use by, any person or entity in any jurisdiction or country where such distribution, publication, availability or use would be contrary to the applicable law or regulation or which would subject Phillip Securities Research to any registration or licensing or other requirement, or penalty for contravention of such requirements within such jurisdiction.

Section 27 of the Financial Advisers Act (Cap. 110) of Singapore and the MAS Notice on Recommendations on Investment Products (FAA-N01) do not apply in respect of this publication.

This material is intended for general circulation only and does not take into account the specific investment objectives, financial situation or particular needs of any particular person. The products mentioned in this material may not be suitable for all investors and a person receiving or reading this material should seek advice from a professional and financial adviser regarding the legal, business, financial, tax and other aspects including the suitability of such products, taking into account the specific investment objectives, financial situation or particular needs of that person, before making a commitment to invest in any of such products.

Please contact Phillip Securities Research at [65 65311240] in respect of any matters arising from, or in connection with, this document.

This report is only for the purpose of distribution in Singapore.



Contact Information (Singapore Research Team)



Chan Wai Chee CEO, Research

Special Opportunities

+65 6531 1231 yebo@phillip.com.sg

Go Choon Koay, Bryan Investment Analyst Property +65 6531 1792 gock@phillip.com.sg

Ng Weiwen

Macro Analyst Global Macro, Asset Strategy +65 6531 1735 ngww@phillip.com.sg

Research Assistant General Enquiries +65 6531 1240 (Phone) research@phillip.com.sg Joshua Tan Head of Research

Global Macro, Asset Strategy

+65 6531 1249 joshuatan@phillip.com.sg

Travis Seah Investment Analyst REITs +65 6531 1229 travisseahhk@phillip.com.sg

Roy Chen Macro Analyst Global Macro, Asset Strategy +65 6531 1535 roychencz@phillip.com.sg Derrick Heng Deputy Head of Research SG Equity Strategist & Transport +65 6531 1221 derrickhengch@phillip.com.sg

> Ken Ang Investment Analyst Financials, Telecoms +65 6531 1793

kenangwy@phillip.com.sg

Nicholas Ong

Investment Analyst Commodities, Offshore & Marine +65 6531 5440 nicholasonghg@phillip.com.sg



Contact Information (Regional Member Companies)



SINGAPORE Phillip Securities Pte Ltd

Raffles City Tower 250, North Bridge Road #06-00 Singapore 179101 Tel +65 6533 6001 Fax +65 6535 6631 Website: www.poems.com.sg

HONG KONG

Phillip Securities (HK) Ltd Exchange Participant of the Stock Exchange of Hong Kong 11/F United Centre 95 Queensway Hong Kong Tel +852 2277 6600 Fax +852 2868 5307 Websites: www.phillip.com.hk

> INDONESIA PT Phillip Securities Indonesia ANZ Tower Level 23B, JI Jend Sudirman Kav 33A Jakarta 10220 – Indonesia Tel +62-21 5790 0800 Fax +62-21 5790 0809 Website: www.phillip.co.id

THAILAND

Phillip Securities (Thailand) Public Co. Ltd 15th Floor, Vorawat Building, 849 Silom Road, Silom, Bangrak, Bangkok 10500 Thailand Tel +66-2 6351700 / 22680999 Fax +66-2 22680921 Website www.phillip.co.th

UNITED KINGDOM

King & Shaxson Capital Limited 6th Floor, Candlewick House, 120 Cannon Street, London, EC4N 6AS Tel +44-20 7426 5950 Fax +44-20 7626 1757 Website: www.kingandshaxson.com

AUSTRALIA

PhillipCapital Level 12, 15 William Street, Melbourne, Victoria 3000, Australia Tel +61-03 9629 8288 Fax +61-03 9629 8882 Website: www.phillipcapital.com.au

MALAYSIA

Phillip Capital Management Sdn Bhd B-3-6 Block B Level 3 Megan Avenue II, No. 12, Jalan Yap Kwan Seng, 50450 Kuala Lumpur Tel +603 2162 8841 Fax +603 2166 5099 Website: www.poems.com.my

JAPAN

Phillip Securities Japan, Ltd. 4-2 Nihonbashi Kabuto-cho Chuo-ku, Tokyo 103-0026 Tel +81-3 3666 2101 Fax +81-3 3666 6090 Website:www.phillip.co.jp

CHINA

Phillip Financial Advisory (Shanghai) Co. Ltd No 550 Yan An East Road, Ocean Tower Unit 2318, Postal code 200001 Tel +86-21 5169 9200

> Fax +86-21 6351 2940 Website: <u>www.phillip.com.cn</u>

> > FRANCE

King & Shaxson Capital Limited 3rd Floor, 35 Rue de la Bienfaisance 75008 Paris France Tel +33-1 45633100 Fax +33-1 45636017 Website: www.kingandshaxson.com

UNITED STATES

Phillip Futures Inc 141 W Jackson Blvd Ste 3050 The Chicago Board of Trade Building Chicago, IL 60604 USA Tel +1-312 356 9000 Fax +1-312 356 9005

