

# Silverlake Axis Ltd

## Riding on new product cycles

## SINGAPORE | BANKING | 4QFY23 RESULTS

- 4Q23 earnings of RM36.4mn were below our estimates. FY23 earnings were at 87% of our FY23e. The 24% YoY dip in earnings came from lower-than-expected project-related revenue and higher-than-expected tax expense. FY23 DPS was 14% lower YoY at 0.60 cents.
- 4Q23e recurring revenue comprising maintenance and enhancement services, insurance ecosystem transactions and services, and retail transactions processing revenue grew 7% YoY, while project-related revenue comprising software licensing and software project services fell 4% YoY. Orderbook is RM665mn.
- We maintain a BUY rating on Silverlake Axis Ltd with a lower target price of \$\$0.38. We lower FY24e earnings by 20% as we lower revenue estimates and increase tax estimates for FY24e. Our target price is pegged to 20x P/E FY23e. We expect MOBIUS and the recovery in bank IT spending after two cautious pandemic years to be the key growth drivers for the company.

Results at a glance

results at a giante				
(RM '000)	4QFY23	4QFY22	YoY	Comments
Software licensing	10,647	23,241	-54%	Decline as the progression of actual project delivery varies from quarter to quarter.
Software project services	35,556	24,969	42%	Increase due to additional revenue recognised from recently closed contracts from countries such as Thailand, UAE, Malaysia and Brunei.
Sale of software and hardware products	1,920	14,277	-87%	Decline due to seasonality of hardware upgrades, majority of the deals were recorded in the 3QFY23.
Maintenance and enhancement services	139,796	131,519	6%	Slight uptick due to additional contributions from new maintenance contracts that have become operational.
Insurance ecosystem transactions and services	13,291	11,177	19%	Broad based growth from vehicle claims processing, insurance policies processing, productivity & analytics solution, and integration services segments.
Retail transactions processing	1,122	935	20%	Increased useage for Silverlake's cloud-based retail solution, AgoraCloud, which is on a usage-based model from their existing base of four clients and other new clients.
Total Revenue	202,331	206,118	-2%	
Cost of sales	-85,147	-102,930	-17%	
Gross profit	117,184	103,188	14%	Gross profit margin higher at 58% compared to 50% the year before.
OPEX	-67,001	-59,201	13%	Higher OPEX expected due to the current inflationary environment, with increases seen in staff costs, finance costs and foreign currency exchange loss. Expense over revenue ratio at 33%.
PATMI	36,350	47,926	-24%	

Source: Company, PSR

#### The Positives

+ Recurring revenue rose 7% YoY. Recurring revenue comprises maintenance and enhancement services, insurance ecosystem transactions and services, and retail transactions processing revenue. Maintenance and enhancement services grew 6% YoY to RM140mn and Silverlake expects this segment to continue its growth as new maintenance contracts and support will commence when current projects are completed and successfully handed over to the clients. Insurance ecosystem transactions and services revenue increased 19% YoY as there was broad-based growth across all segments, from vehicle claims



## 29 August 2023

## **BUY (Maintained)**

TOTAL RETURN	46.8%
TARGET PRICE	SGD 0.38
FORECAST DIV	SGD 0.01
CLOSING PRICE	SGD 0.27

#### COMPANY DATA

Bloomberg CODE:	SILV SP
O/S SHARES (MN) :	2,511.8
MARKET CAP (USD mn / SGD mn):	490/666
52 - WK HI/LO (SGD) :	0.4/0.26
3M Average Daily T/O (mn):	0.50

#### MAJOR SHAREHOLDERS

Peng Ooi Goh	68.0%
NTAsset (Thailand) Co., Ltd.	2.7%

#### PRICE PERFORMANCE (%)

	1MTH	змтн	1YR
COMPANY	(10.3)	(14.8)	(29.2)
STTF RETURN	(1.1)	1.1	2.9

#### PRICE VS. STTF



Source: Bloomberg, PSR

#### KEY FINANCIALS

Y/E Jun, RM (mn)	FY22	FY23	FY24e	FY25e
Revenue	736.5	765.9	804.2	844.4
EBITDA	210.2	202.1	213.5	232.2
Net Profit	182.2	169.6	181.9	199.8
EPS (SGD cents)	2.2	1.8	2.0	2.1
P/E (X)	12.2	14.5	13.6	12.3
Dividend Yield	2.6%	2.3%	2.3%	2.3%
ROE	18.7%	14.7%	14.2%	14.1%
ROA	12.2%	10.4%	10.5%	10.9%

Source: Company, PSR

### VALUATION METHOD

20x PE Multiple FY23e

#### Glenn Thum (+65 6212 1851)

#### Senior Research Analyst

glennthumjc@phillip.com.sg

Page | 1 | PHILLIP SECURITIES RESEARCH (SINGAPORE)

Ref. No.: SG2023 0108



processing, insurance policies processing, productivity and analytics solutions, and integration services. Revenue from retail transactions processing grew 20% YoY mainly due to increased usage for Silverlake's cloud-based retail solution, AgoraCloud. As this is a usage-based model, Silverlake has seen increased usage from their existing base of four clients as well as new clients whom they have signed up.

+ Order backlog healthy. Silverlake has a long track record and a proven client base in Southeast Asia. Three of the 5 largest Southeast Asia-based financial institutions use its core banking platform, and it has largely retained all its clients since bringing them on board its platform. Silverlake's project pipeline is healthy, at RM1.5bn (3QFY23: RM1.8bn), with contract wins of RM93mn in 4QFY23 and an order backlog of RM223mn on the verge of closing in 1QFY24. Furthermore, Silverlake expects revenue from the multi-million 10-year core and channels digital banking MOBIUS deal with a client in Malaysia to come in FY24. Silverlake is beginning to close more deals and is witnessing an uptick in inquiries about its financial services market solutions and capabilities.

#### The Negatives

- OPEX rose 13% YoY. Operating expenses were 13% higher YoY mainly due to the current inflationary environment, and to support growth in new delivery of services projects and future proofing of long-term growth and sustainability of their business. The increase was across all segments, with increases in staff costs due to additional headcount, increase in finance costs due to a revolving credit facility drawdown, increase in foreign currency exchange losses due to the fluctuation of foreign currencies, and higher costs for internal and external branding activities as markets opened up. Nonetheless, the expense over revenue ratio was kept at 33%.
- **Project-related revenue fell 4% YoY**. Software licensing revenue fell 54% YoY was due to the progression of actual project delivery varying from quarter to quarter, resulting in a lag in revenue contribution. However, this was offset by software project services revenue increasing 42% YoY as there was additional revenue recognised from recently closed contracts from countries such as Thailand, UAE, and Malaysia. In addition, progressive project revenue recognised from on-going secured projects remained at a stable level.

## Outlook

**Building a higher quality order book**. Silverlake has a tender book of RM1.5bn going into FY24, with more than half of it coming from its core banking systems, MOBIUS and Symmetri. While the initial revenue from these systems will be smaller as compared to legacy core banking systems, such as the Silverlake Integrated Banking Solution or SIBS, we expect it to improve recurrent fees. Cloud banking software, such as MOBIUS and Symmetri, avoid the need for banks to purchase and manage hardware assets, which results in lower initial costs and resultantly initial revenue for Silverlake. However, there would be a need for continuous enhancement and maintenance of these systems, improving the quality of Silverlake's order book with the bulk of growth coming from recurrent fees.

Visible growth from new product cycles. Silverlake signed a deal with one of the largest banks in Thailand and its first multi-million 10-year core and channels digital banking MOBIUS deal with a client in Malaysia. With the collaboration with the Thailand bank, it has shown the shown the proof of concept, and is a significant reference site for MOBIUS. With this, we could see more inquiries for the rest of 2023. There is also a potential for replacing core banking systems with MOBIUS as several legacy core banking systems approach end-of-life, and banks have fewer limitations to adopt a fully cloud-based core. Silverlake has seen a shift towards Software-as-a-Service (SaaS) and cloud computing, and with Silverlake's offering of cloud-based systems, we could expect the demand for these systems to continue going into FY24.



#### **Investment Actions**

We maintain a BUY rating on Silverlake Axis Ltd with a lower target price of \$\$0.38. We lower FY24e earnings by 20% as we lower revenue estimates and increase tax estimates for FY24e. Our target price is pegged to 20x P/E FY23e. It is at 18% discount to peer valuations of around 24.5x PE (Figure 1).

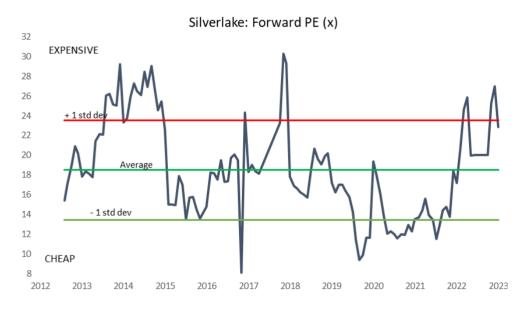
Our target PE of 20x is 8% higher than the historical average PE of 18.5x (Figure 2). In our view, Silverlake should trade at a higher premium to its historical PE with the introduction of MOBIUS and the resumption of bank IT spending after the pandemic.

Figure 1: Global players trading at 24.5x PE - 1 year forward

Company	1 Mth	3 Mth	YTD	Share Px	Mkt. Cap.		PE		P/BV	Dividend	ROE	EV/
	Perf.	Perf.	Perf.	Local Crcy	(US\$ m)	Yr 0	Yr+1	Yr + 2	Yr 0	Yield	Yr 0	EBITDA
Core Banking Systems												
Tata Consultancy	4%	20%	2%	2206.80	97,725	19.2	17.2	15.5	8.5	5.2%	46.8%	18.4
Temenos AG	1%	18%	-7%	143.05	12,128	106.0	57.6	50.7	19.7	0.8%	22.9%	17.4
SBM Offshore	1%	29%	-19%	13.37	2,235	5.0	11.0	8.4	0.7	0.0%	10.4%	12.5
Silverlake Axis Ltd	17%	17%	-32%	0.28	518	14.2	12.2	12.4	0.6	2.1%	16.2%	6.2
	6%	21%	-14%		112,606	36.1	24.5	21.8	7.4	2.0%	24.1%	13.6

Source: PSR, Bloomberg

Figure 2: Silverlake's historical average PE is 18.5x



Source: PSR, Bloomberg

Non-controlling interests

Shareholder Equity



## **Financials**

Income Statement					
Y/E Jun, RM '000	FY21	FY22	FY23	FY24e	FY25e
Revenue	626,123	736,542	765,915	804,211	844,422
Gross profit	376,929	418,614	451,012	466,442	489,764
EBITDA	146,387	210,191	202,084	213,476	232,178
Depreciation & amortisation	3,291	3,762	3,597	5,581	7,331
EBIT	143,079	182,703	171,233	182,644	200,646
Net Finance Inc/(Exp)	(11,253)	280	3,395	4,404	5,007
Profit before tax	186,737	231,858	229,562	246,816	271,144
Taxation	(43,658)	(49,154)	(59,283)	(64,172)	(70,497)
Minority intrest	8	(551)	(687)	731	803
PATMI	143,087	182,153	169,592	181,913	199,844

er	share	data	(SGD Cents)	

Y/E Dec	FY21	FY22	FY23	FY24e	FY25e
EPS, Reported	1.8	2.2	1.8	2.0	2.1
DPS	0.5	0.7	0.6	0.6	0.6
BVPS	40.5	36.7	43.2	48.0	53.4

## Cash Flow

Y/E Jun, RM '000	FY21	FY22	FY23	FY24e	FY25e
<u>CFO</u>				·	
Profit before tax	186,737	231,858	229,562	246,816	271,144
Adjustments	80,177	39,284	50,302	57,200	57,347
WC changes	(19,520)	48,254	(152,471)	(3,712)	(2,442)
Cash generated from ops	246,867	319,557	127,351	300,325	326,069
Income tax paid	(47,241)	(48,822)	(46,143)	(64,172)	(70,497)
Cashflow from ops	196,904	270,295	72,617	227,989	247,408
<u>CFI</u>					
Software development	(39,417)	(47,463)	(78,111)	(78,111)	(78,111)
Others	(43,551)	(35,677)	32,377	22,377	22,377
Cashflow from investments	(82,968)	(83,140)	(45,734)	(55,734)	(55,734)
<u>CFF</u>					
Purchase of treasury shares	(20,425)	(178,574)	(5,377)	(672)	(84)
Loans, net of repayments	(8,814)	164,355	(8,266)	(10,000)	(10,000)
Dividends paid	(25,840)	(42,944)	(57,571)	(55,860)	(55,860)
Others	(123,516)	(1,755)	(36,583)	(13,144)	(13,144)
Cashflow from financing	(178,596)	(58,918)	(107,797)	(103,115)	(102,527)
Net change in cash	(64,659)	128,237	(80,913)	69,140	89,147
CCE, end	407,341	548,935	494,710	575,723	682,177

Source: Company, Phillip Securities Research (Singapore) Estimates

Balance Sheet					
Y/E Jun, RM '000	FY21	FY22	FY23	FY24e	FY25e
ASSETS					
Trade and other receivables	138,918	127,644	185,797	193,011	202,661
Cash and bank balances	417,118	558,057	504,249	573,389	662,537
Contract assets	58,594	73,929	154,442	160,842	168,884
Total current assets	949,054	1,047,056	1,127,048	1,210,025	1,316,865
PPE & IA	328,920	352,327	421,017	430,186	438,654
Others	86,282	92,712	85,142	85,139	85,139
Total non-current assets	415,202	445,039	506,159	515,325	523,793
Total Assets	1,364,257	1,492,096	1,633,207	1,725,350	1,840,658
LIABILTIES					
Trade and other payables	76,923	116,993	112,309	112,590	118,219
Loans and borrowings	9,381	7,594	7,561	(2,439)	(12,439)
Contract liabilities	108,821	131,158	112,979	111,201	109,238
Others	35,779	13,830	20,518	10,518	518
Total current liabilities	230,903	269,575	253,366	231,869	215,536
Deferred tax liabilities	50,167	41,667	44,130	44,130	44,130
Non-current loans & borrowings	16,831	193,328	171,951	158,807	145,663
Others	11,887	12,347	13,763	13,763	13,763
Total non-current liabilities	78,885	247,342	229,844	216,700	203,556
Total Liabilities	309,788	516,917	483,211	448,570	419,092
Equity					

Valuation Ratios					
Y/E Dec	FY21	FY22	FY23	FY24e	FY25e
P/E (X)	14.8	12.2	14.5	13.6	12.3
P/B (X)	2.0	2.3	2.1	1.9	1.7
EV/EBITDA (X)	-2.4	-2.4	-2.2	-2.5	-2.7
Dividend Yield (%)	2.0%	2.6%	2.3%	2.3%	2.3%
Growth & Margins					
Growth					
Revenue	-5.7%	17.6%	4.0%	5.0%	5.0%
EBITDA	-21.8%	43.6%	-3.9%	5.6%	8.8%
EBIT	-21.9%	27.7%	-6.3%	6.7%	9.9%
Net profit, adj.	-22.5%	27.3%	-6.9%	7.3%	9.9%
<u>Margins</u>					
Gross margin	60.2%	56.8%	58.9%	58.0%	58.0%
EBITDA margin	23.4%	28.5%	26.4%	26.5%	27.5%
EBIT margin	22.9%	24.8%	22.4%	22.7%	23.8%
Net profit margin	22.9%	24.7%	22.1%	22.6%	23.7%
Key Ratios					
ROE (%)	13.6%	18.7%	14.7%	14.2%	14.1%
ROA (%)	10.5%	12.2%	10.4%	10.5%	10.9%
Net Gearing (%)	Net cash				
Net Debt/EBITDA (X)	-2.4	-2.4	-2.5	-2.1	-2.3

13,118

1,054,468

13,805

975,179 1,149,996 1,276,780 1,421,566

14,535

15,338





PSR Rating System				
Total Returns	Recommendation	Rating		
> +20%	Buy	1		
+5% to +20%	Accumulate	2		
-5% to +5%	Neutral	3		
-5% to -20%	Reduce	4		
< -20%	Sell	5		

#### Remarks

We do not base our recommendations entirely on the above quantitative return bands. We consider qualitative factors like (but not limited to) a stock's risk reward profile, market sentiment, recent rate of share price appreciation, presence or absence of stock price catalysts, and speculative undertones surrounding the stock, before making our final recommendation.



#### Contact Information (Singapore Research Team)

**Head of Research** 

Paul Chew - paulchewkl@phillip.com.sg

Research Admin

Qystina Azli - qystina@phillip.com.sg

Technical Analyst

Zane Aw - zaneawyx@phillip.com.sg

Credit Analyst

Shawn Sng - shawnsngkh@phillip.com.sg

US Tech Analyst (Hardware & Marketplaces)

Maximilian Koeswoyo - maximilian@phillip.com.sg

Property | REITs

Darren Chan - darrenchanrx@phillip.com.sg

Property | REITs

Liu Miaomiao - liumm@phillip.com.sg

US Tech Analyst (Digital Media & Entertainment)

Jonathan Woo – jonathanwookj@phillip.com.sg

Banking & Finance

Glenn Thum – glennthumjc@phillip.com.sg

Conglomerate | Transport

Peggy Mak – peggymak@phillip.com.sg

US Tech Analyst (Software & Services)

Ambrish Shah - amshah@phillipcapital.in

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

**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

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 STATES
Phillip Capital 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

Website: www.phillipusa.com

INDIA

PhillipCapital (India) Private Limited

No.1, 18th Floor, Urmi Estate 95, Ganpatrao Kadam Marg Lower Parel West, Mumbai 400-013 Maharashtra, India

Tel: +91-22-2300 2999 / Fax: +91-22-2300 2969

Website:  $\underline{www.phillipcapital.in}$ 

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

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

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

**AUSTRALIA** 

**Phillip Capital Limited** 

Level 10, 330 Collins Street Melbourne, Victoria 3000, Australia Tel +61-03 8633 9803 Fax +61-03 8633 9899

Website: www.phillipcapital.com.au

TURKEY

PhillipCapital Menkul Degerler

Dr. Cemil Bengü Cad. Hak Is Merkezi No. 2 Kat. 6A Caglayan 34403 Istanbul, Turkey Tel: 0212 296 84 84 Fax: 0212 233 69 29

Website: www.phillipcapital.com.tr

HONG KONG

Phillip Securities (HK) Ltd

11/F United Centre 95 Queensway Hong Kong Tel +852 2277 6600 Fax +852 2868 5307

CHINA

Websites: www.phillip.com.hk

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: www.phillip.com.cn

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

CAMBODIA Phillip Bank Plc

Ground Floor of B-Office Centre,#61-64, Norodom Blvd Corner Street 306,Sangkat

Boeung Keng Kang 1, Khan Chamkamorn, Phnom Penh, Cambodia Tel: 855 (0) 7796 6151/855 (0) 1620 0769

Website: www.phillipbank.com.kh

DUBAI

Phillip Futures DMCC

Member of the Dubai Gold and Commodities Exchange (DGCX) Unit No 601, Plot No 58, White Crown Bldg, Sheikh Zayed Road, P.O.Box 212291 Dubai-UAE

Tel: +971-4-3325052 / Fax: + 971-4-3328895

#### SILVERLAKE AXIS LTD INITIATION



#### Important Information

This report is prepared and/or distributed by Phillip Securities Research Pte Ltd ("Phillip Securities Research"), which is a holder of a financial adviser's license under the Financial Advisers Act, Chapter 110 in Singapore.

By receiving or reading this report, you agree to be bound by the terms and limitations set out below. Any failure to comply with these terms and limitations may constitute a violation of law. This report 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 report by mistake, please delete or destroy it, and notify the sender immediately.

The information and any analysis, forecasts, projections, expectations and opinions (collectively, the "Research") contained in this report has been obtained from public sources which Phillip Securities Research believes to be reliable. However, Phillip Securities Research does not make any representation or warranty, express or implied that such information or Research is accurate, complete or appropriate or should be relied upon as such. Any such information or Research contained in this report 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.

Any opinions, forecasts, assumptions, estimates, valuations and prices contained in this report 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 report 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 report 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 report has been made available constitutes neither a recommendation to enter into a particular transaction, nor a representation that any product described in this report is suitable or appropriate for the recipient. Recipients should be aware that many of the products, which may be described in this report 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 report 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 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 issuance of this report, may have participated in or invested in transactions with the issuer(s) of the securities mentioned in this report, 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, directors, employees or persons involved in the 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 report.

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 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 issuance of this report, may at any time engage in any of the above activities as set out above or otherwise hold an interest, whether material or not, in respect of companies and investments or related investments, which may be mentioned in this report. 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 issuance of this report, which is not reflected in this report, 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 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 issuance of this report, may have issued other material that is inconsistent with, or reach different conclusions from, the contents of this report.

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.

This report 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 report may not be suitable for all investors and a person receiving or reading this report 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.

This report is not intended for distribution, publication to or use by any person in any jurisdiction outside of Singapore or any other jurisdiction as Phillip Securities Research may determine in its absolute discretion.

#### IMPORTANT DISCLOSURES FOR INCLUDED RESEARCH ANALYSES OR REPORTS OF FOREIGN RESEARCH HOUSES

Where the report contains research analyses or reports from a foreign research house, please note:

- (i) recipients of the analyses or reports are to contact Phillip Securities Research (and not the relevant foreign research house) in Singapore at 250 North Bridge Road, #06-00 Raffles City Tower, Singapore 179101, telephone number +65 6533 6001, in respect of any matters arising from, or in connection with, the analyses or reports: and
- (ii) to the extent that the analyses or reports are delivered to and intended to be received by any person in Singapore who is not an accredited investor, expert investor or institutional investor, Phillip Securities Research accepts legal responsibility for the contents of the analyses or reports.