

# **United Overseas Bank Limited**

Strongest NII Growth since 2014

# SINGAPORE | BANKING | 3Q17 RESULTS

- 3Q17 PATMI of S\$883mn is in line with our estimate of S\$850mn.
- NII increased 14% YoY on the back of strong loans growth and higher NIM.
- WM fee income grew 40% YoY on higher sales of treasury products and unit trusts.
- Specific provisions higher because of new NPA formation by an Oil & Gas company.
- Upgrade "ACCUMULATE" (previously "NEUTRAL") with a higher target price of S\$25.22 (previous TP S\$23.46) based on Gordon Growth Model.

Results at a glance						
(SGD mn)	3Q17	3Q16	YoY (%)	2Q17 (	QoQ (%	5) Comments
NII	1,408	1,230	14%	1,356	4%	Higher loans growth and higher NIM
Fees & Comm	551	492	12%	517	7%	Higher Fund Mgmt fees, Cards and WM
Other Non Int Income	279	318	-12%	311	-10%	Lower Net Trading Income
Total Revenue	2,238	2,040	10%	2,184	2%	
Expenses	973	919	6%	995	-2%	Higher IT related costs
Allowances	221	185	19%	180	23%	Higher SP in G.China & S'pore
Net Profit	883	791	12%	845	4%	

Source: Company, PSR

ulto at a gland

# The Positives

+ 3Q17 Loans growth higher 7.7% YoY and NIM expanded 4bps QoQ. Manufacturing and Financial institutional loans registered strong double digit loans growth YoY and QoQ. Housing loans growth also gained momentum; registering an increase of 6.6% YoY compared to 6.2% YoY in 2Q17. In Singapore, UOB has been focused on mass market housing loans. The mortgagors are typically first time Singaporean buyers purchasing the property for own occupancy. NIM increased 4bps QoQ to 1.79% largely supported by higher customer loan rates and higher interbank rates.

**+ WM fee income grew 40% YoY.** FX and interest rate products; and unit trusts with longer duration saw strong sales momentum. But bancassurance is expected to be weaker in the 4Q17.

# **The Negatives**

- NPL increased to 1.6%, 10bps higher QoQ. New NPA formation spiked to \$\$799mn in 3Q17 compared to \$\$537mn in 2Q17 because of exposure to an O&G company. Of the \$\$799mn new NPA formation, slightly less than half is due to exposure to an O&G company. This caused the specific provisions to be higher QoQ. Specific provisions are expected to remain elevated in 4Q17 as provisions will be set aside for exposure to another O&G name. Moving into FY18, management does not expect elevated specific provisions to continue and there is possibility that the 32bps total credit cost will be lowered in FY18

- **UOB Indonesia recorded a loss in 3Q17.** The loss was due to higher allowances to conform to regulatory changes in classification of non-performing loans. UOB Indonesia NPL ratio actually improved slightly from 5.6% in 2Q17 to 5.4% in 3Q17.

#### Outlook

We are impressed with 3Q17 NII growth of 14% YoY as loans growth was strong and pastthrough of higher interest rates was firm. In particular, 3Q16 wasn't an exceptionally weak quarter to be compared with and that in many previous quarters NII had been struggling at low single digit percentage growth rate. We expect FY17e NIM to improve to 1.76% from previous estimate of 1.74% as we expect the strong momentum in performance to continue into 4Q17. With a higher NIM outlook, we revise our FY17e PATMI growth estimate to 10% (previously 8.6%) and FY18e PATMI growth estimate to 10.3% (previously 4.6%). Management is expecting specific provision to be elevated in 4Q17 so we estimate FY17e provisions to be \$\$790mn (previously, \$\$646mn). We have also revised our FY18e total credit costs to 30bps from previous estimate of 28bps.



# 6 November 2017

# Accumulate (Upgrade) LAST DONE PRICE SGD 24.76

FORECAST DIV	SGD 0.80
TARGET PRICE	SGD 25.22
TOTAL RETURN	5.1%

# COMPANY DATA

BLOOM BERG TICKER	UOB SP
O/S SHARES (MN):	1,663
MARKET CAP (USD mn / SGD mn):	30226 / 41171
52 - WK HI/LO (SGD) :	25/17.98
3M Average Daily T/O (mn) :	1.76

# MAJOR SHAREHOLDERS (%)

Wee Investments	7.70%
Wah Hin & Co Pte Ltd	5.04%
Vanguard Group	2.07%
Blackrock	140%

# PRICE PERFORMANCE (%)

	1M T H	3 M T H	1Y R
COMPANY	3.3	3.4	37.9
STIRETURN	3.67	1.87	24.43







#### KEY FINANCIALS

Y/E Dec	F Y 15	F Y 16	FY 17e	FY 18 e
Total Op Inc (SGD mn)	8,048	8,060	8,777	9,183
Op Profit (SGD mn)	3,781	3,769	4,088	4,483
NPAT(SGDmn)	3,222	3,105	3,414	3,764
EPS(SGD)	1.94	1.83	1.96	2.14
PER, adj. (X)	10.1	11.2	12.4	11.4
P/BV, (X)	1.1	1.1	1.2	1.1
ROE(%)	11.9%	10.1%	10.2%	10.4%

Source: Bloomberg

Valuation Method:

Gordon Growth Model (ERP: 7%; g: 2%)

Jeremy Teong (+65 62121863) Investment Analyst jeremyteongfh@phillip.com.sg

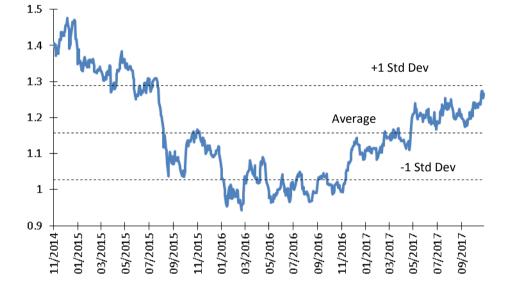


# Valuation: Gordon Growth Model

ltem	Description	Value
R <sub>f</sub>	Risk-free rate	2.0%
Е	Equity-risk premium	6.7%
В	Beta	1.065
COE	Cost of Equity	9.1%
ROE	FY18e Return on Equity	10.4%
g	Terminal growth rate	2.0%
(ROE-g) (COE-g)	FY18e Target Price to Book	1.184
	FY18e BVPS, S\$	21.31
	FY18e Valuation, S\$	25.22

List of Abbreviations WM – Wealth Management NII – Net Interest Income NIM – Net Interest Margin LDR – Loan to Deposit Ratio NPL – Non-performing Loans PPOP – Pre-Provision Operating Profit WACC – Weighted Average Cost of Capital ROIC – Return on Invested Capital FHR – Fixed Deposit Home Loan Rate EV – Economic Value O&G – Oil and Gas

# **3-Year Historical Price-to-Book**



# **Investment Actions**

Upgrade "ACCUMULATE" (previously "NEUTRAL") with a higher target price of S\$25.22 (previous TP S\$23.46) based on Gordon Growth Model.



#### Table 1. Fee and commission income

SGD mn	3Q17	3Q16	YoY (%)	2Q17	QoQ (%)
Credit card	103	93	10.8%	100	3.0%
Fund management	62	54	14.8%	57	8.8%
Wealth management	143	102	40.2%	136	5.1%
Loan-related	122	124	-1.6%	102	19.6%
Service charges	35	33	6.1%	36	-2.8%
Trade-related	68	67	1.5%	66	3.0%
Other	18	19	-5.3%	20	-10.0%
Total	551	492	12.0%	517	6.6%

#### Table 2. Other non-interest income

SGD mn	3Q17	3Q16	YoY (%)	2Q17	QoQ (%)
Net trading income	164	227	-27.8%	164	0.0%
Otherincome	26	33	-21.2%	23	13.0%
Net gain/(loss) from investment securities	57	24	137.5%	76	-25.0%
Dividend income	3	4	-25.0%	18	-83.3%
Rental income	29	30	-3.3%	30	-3.3%
Total other non int inc	279	318	-12.3%	311	-10.3%

### Table 3. Loans by Industries

SGD mn	3Q17	3Q16	YoY (%)	2Q17	QoQ (%)
Tpt, storage & comms	9,704	9,357	3.7%	9,487	2.3%
Building and construction	53,688	50,514	6.3%	53,063	1.2%
Manufacturing	18,949	16,185	17.1%	16,794	12.8%
Financial institutions	18,131	14,673	23.6%	16,328	11.0%
General commerce	30,317	28,275	7.2%	30,145	0.6%
Professionals & Pri inv	27,812	26,414	5.3%	27,314	1.8%
Housingloans	63,918	59,981	6.6%	62,922	1.6%
Others	11,594	11,996	-3.4%	11,687	-0.8%
Total loans	234,113	217,395	7.7%	227,740	2.8%

#### Table 4. Loans by currencies

SGD mn	3Q17	3Q16	YoY (%)	2Q17	QoQ (%)
Singapore dollar	114,823	110,481	3.9%	113,610	1.1%
US dollar	45,409	40,463	12.2%	42,330	7.3%
Malaysian ringgit	23,296	23,168	0.6%	23,270	0.1%
Thai baht	13,385	11,630	15.1%	12,946	3.4%
Indonesian rupiah	5,162	5,329	-3.1%	5,363	-3.7%
Others	32,039	26,324	21.7%	30,220	6.0%
Total loans	234,114	217,395	7.7%	227,739	2.8%

# Table 5. Profit before tax by Geographical segments

SGD mn	3Q17	3Q16	YoY (%)	2Q17	QoQ (%)
Singapore	668	563	18.7%	597	11.9%
Malaysia	144	150	-4.0%	154	-6.5%
Thailand	63	49	28.6%	57	10.5%
Indonesia	(12)	28	-142.9%	21	-157.1%
Greater China	102	76	34.2%	98	4.1%
Others	107	96	11.5%	107	0.0%
Total NPBT	1,072	962	11.4%	1,034	3.7%

Source (Tables 1-5): Company, PSR



Figure 1. Net interest margin 1500 Net interest income - LHS - NIM-RHS 3.00 1400 2.50 1300 2.00 1 1200 1.50 1100 1.00 1000 0.50 900 800 0.00 2Q16 2Q17 3Q17 3Q16 4Q12 2Q15 3015 4Q15 1Q16 4Q16 1Q17 1015

Figure 3. Efficiency ratio

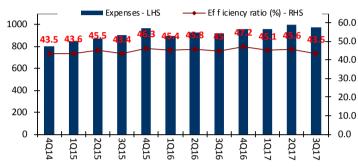
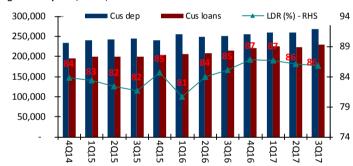
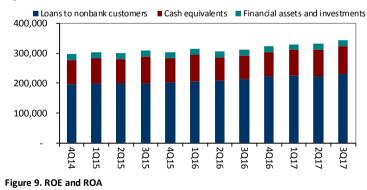
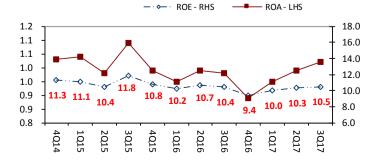


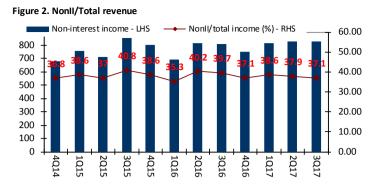
Figure 5. Deposits, Loans, LDR

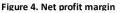


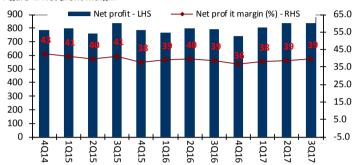
#### Figure 7. Growth in selected asset items



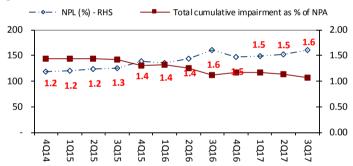


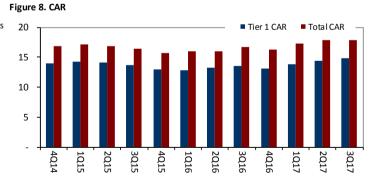




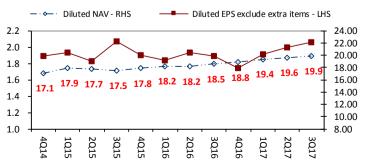








#### Figure 10. EPS and NBV





1,400 **4**Q16 **1**Q17 **2**Q17 **3**Q17 1,200 1,000 800 600 400 200 Thai G. China Other S'pore M'sia Indon

Figure 11. Revenue by geographical segment

Figure 13. Revenue by Business segment

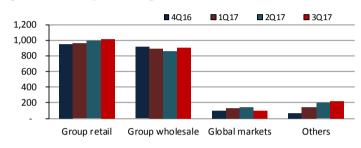


Figure 15. Fee and Commission trend

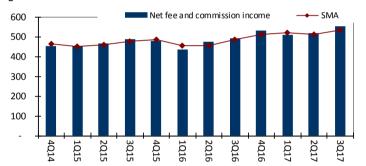
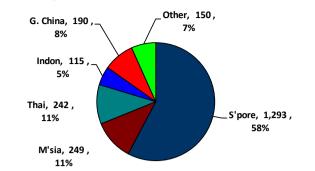


Figure 12. Geo segment breakdown





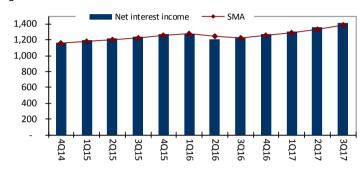
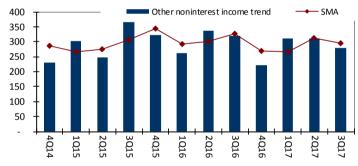


Figure 16. Other noninterest income trend



# Financials

Y/E Dec, SGD mn	FY14	FY15	FY16	FY17e	FY18e
Net Int Income	4,558	4,925	4,991	5,485	5,862
Fees and Commission	1,749	1,884	1,931	2,140	2,253
Other Non-int income	1,150	1,239	1,138	1,152	1,069
Total operating income	7,457	8,048	8,060	8,777	9,183
Operating expenses	3,147	3,596	3,697	3,899	3,972
Provisions	635	671	594	790	729
Operating profit	3,675	3,781	3,769	4,088	4,483
Associates & JVs	149	90	5	90	90
Profit Before Tax	3,824	3,871	3,774	4,178	4,573
Taxation	560	649	669	765	808
Profit After Tax	3,264	3,222	3,105	3,414	3,764
Non-controlling Interest	15	12	12	13	15
Net Income, reported	3,249	3,210	3,093	3,400	3,750
Net Income, adj.	3,249	3,210	3,093	3,400	3,750

Per share data					
Y/E Dec, SGD mn	FY14	FY15	FY16	FY17e	FY18e
EPS, reported	1.98	1.94	1.83	1.96	2.14
EPS, adj.	1.98	1.94	1.83	1.96	2.14
DPS	0.75	0.90	0.75	0.80	0.80
BVPS (less pref shares)	17.09	17.84	18.82	19.88	21.31

Supplementary items					
Y/E Dec, SGD mn	FY14	FY15	FY16	FY17e	FY18e
CET1 CAR (%)	13.9%	13.0%	13.0%	13.9%	14.3%
Tier 1 CAR (%)	13.9%	13.0%	13.1%	13.9%	14.3%
Total CAR (%)	16.9%	15.6%	16.2%	17.2%	17.5%

3,210 3,210	3,093 3,093	3,400 3,400	3,750 3,750	Non-controlling interest Total Equity
				Valuation Ratios
FY15	FY16	FY17e	FY18e	Y/E Dec, SGD mn
1.94	1.83	1.96	2.14	P/E (X), adj.
1.94	1.83	1.96	2.14	P/B (X)
0.90	0.75	0.80	0.80	Dividend Yield (%)

Balance Sheet					
Y/E Dec, SGD mn	FY14	FY15	FY16	FY17e	FY18e
Cash bal w central banks	35,083	32,306	24,322	30,845	28,526
Due from banks	28,692	28,646	40,033	40,156	39,450
Investment securities	11,440	10,562	11,640	9,012	9,035
Loans to non-bank cust	195,903	203,611	221,734	232,320	244,227
Others	35,618	40,886	42,123	41,860	42,330
Total Assets	306,736	316,011	339,852	354,193	363,568
Due to banks	11,226	11,986	11,855	12,631	12,757
Due to non-bank cust	233,750	240,524	255,314	270,025	276,060
Debts issued	20,953	20,288	26,143	22,170	22,391
Others	11,035	12,289	13,674	14,084	14,507
Total liabilities	276,964	285,087	306,986	318,910	325,715
Shareholder's equity	29,572	30,771	32,876	35,101	37,656
Non-controlling interest	203	156	169	182	197
Total Equity	29,775	30,927	33,045	35,283	37,853

Valuation Ratios					
Y/E Dec, SGD mn	FY14	FY15	FY16	FY17e	FY18e
P/E (X), adj.	12.4	10.1	11.2	12.4	11.4
P/B (X)	1.4	1.1	1.1	1.2	1.1
Dividend Yield (%)	3.1%	4.6%	3.7%	3.3%	3.3%
Growth & Margins (%)					
Growth					
Netinterestincome	10.7%	8.1%	1.3%	9.9%	6.9%
Non interest income	11.5%	7.7%	-1.7%	7.3%	0.9%
Pre provision op profit	11.0%	7.9%	0.1%	8.9%	4.6%
Operating income	8.4%	2.9%	-0.3%	8.5%	9.6%
Net income, reported	8.1%	-1.2%	-3.6%	9.9%	10.3%
Margins					
Net interest margin	1.71%	1.77%	1.71%	1.76%	1.81%
Key Ratios (%)					
ROE	13.0%	11.9%	10.1%	10.2%	10.4%
ROA	1.1%	1.0%	0.9%	1.0%	1.0%
RORWA	1.8%	1.6%	1.4%	1.5%	1.6%
Non-int/total income ratio	38.9%	38.8%	38.1%	37.5%	36.2%
Cost/income ratio	42.2%	44.7%	45.9%	44.4%	43.2%
Loan/deposit ratio	83.8%	84.7%	86.8%	86.0%	88.5%
NPL ratio	1.18	1.39	1.47	1.45	1.44

Source: Company, PSR

\*Forward multiples & yields based on current market price; historical multiples & yields based on historical market price.





Ratings History				
Tuttings matory				
28	— Market Price —	— Target Price	Source: B	loomberg, PSR
26		<u> </u>		
			امد.	and
24 +		+   	monte	
22 +		A ac a	xh~xd	
20 +		<u> </u>		
18 +	hand have the second se			
16 ++-				
	- ال	S D	- Ju	- Se
Mar-1 Dec-1		Dec-1	Jun-1 Mar-1	Dec-1 Sep-1
15 16	<b>б</b>	ତ ତ	7 7	7 7
1				1
2				
4 +		i <u> </u> <b></b>		
5	l		!	L
PSR Rating Syste				
Total Returns	Recommend	lation Rating		
> +20%	Buy	1		
+5% to +20%	Accumulate	2		
-5% to +5%	Neutral	3		
-5% to -20%	Reduce	4		
<-20% Remarks	Sell	5		
	ur recommendation	s entirely on the	above quantitative	return bands
			a stock's risk rew a	
			sence or absence	
			stock, before mak	
recommendation		5		-



#### Head of Research

Paul Chew - paulchewkl@phillip.com.sg

Consumer | Healthcare Soh Lin Sin - <u>sohls@phillip.com.sg</u>

Transport | REITs (Industrial) Richard Leow, CFTe, FRM richardleowwt@phillip.com.sg

Banking and Finance Jeremy Teong - jeremyteongfh@phillip.com.sg

> 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: www.phillipcapital.in

#### 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 Contact Information (Singapore Research Team)

**Oil & Gas | Energy** Chen Guangzhi - chengz@phillip.com.sg

REITs (Commercial, Retail, Healthcare) | Property Dehong Tan - <u>tandh@phillip.com.sg</u>

US Equity Ho Kang Wei - <u>hokw@phillip.com.sg</u>

Contact Information (Regional Member Companies) 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: <u>www.poems.com.my</u>

> 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 9629 8288 Fax +61-03 9629 8882 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 Research Operations Officer

Mohamed Amiruddin - amiruddin@phillip.com.sg

**Macro** Pei Sai Teng - <u>peist@phillip.com.sg</u>

Technical Analysis Jeremy Ng - jeremyngch@phillip.com.sg

> HONG KONG Phillip Securities (HK) Ltd 11/F United Centre 95 Queensway Hong Kong Tel +852 2277 6600 Fax +852 2868 5307 Websites: www.phillip.com.hk

> > 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: 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: <u>www.kingandshaxson.com</u>

SRI LANKA

Asha Phillip Securities Limited 2<sup>nd</sup> Floor, Lakshmans Building, No. 321, Galle Road, Colombo 03, Sri Lanka Tel: (94) 11 2429 100 Fax: (94) 11 2429 199 Website: <u>www.ashaphillip.net</u>

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



#### 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, or persons associated with or connected to Phillip Securities Research, or persons associated with or connected to Phillip Securities Research, or persons associated with or connected 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, may have provided 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 in the issuance of this report, may have provided 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, 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.