Singapore Company Update

Nanofilm Technologies

Bloomberg: NANO SP | Reuters: NANO.SI

Refer to important disclosures at the end of this report

DBS Group Research . Equity

9 Dec 2021

BUY (Upgrade from HOLD)

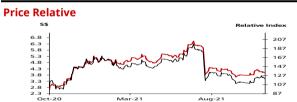
Last Traded Price (8 Dec 2021): \$\\$3.99 (STI: 3,129.77) Price Target 12-mth: \$\\$4.96 (24\% upside) (Prev \$\\$4.05)

Analyst

Lee Keng LING +65 6682 3703 leekeng@dbs.com

What's New

- Upgrade to BUY with higher TP of S\$4.96 on anticipated supply chain recovery
- Stronger earnings execution should help the stock to re-rate and break out
- Expect smartphone segment to register strong growth; wearables to recover from weak 3Q21
- Growth for Nanofilm to outpace industry on market share gain and extension of product range



—Nanofilm Technologies International Ltd (LHS) — Relative STI (RHS)

Forecasts and Valuation	1			
FY Dec (S\$m)	2020A	2021F	2022F	2023F
Revenue	218	249	333	387
EBITDA	90.3	86.7	129	150
Pre-tax Profit	70.3	67.3	97.1	113
Net Profit	57.6	55.6	80.2	93.4
Net Pft (Pre Ex.)	57.6	55.6	80.2	93.4
Net Pft Gth (Pre-ex) (%)	61.1	(3.5)	44.3	16.5
EPS (S cts)	8.75	8.44	12.2	14.2
EPS Pre Ex. (S cts)	8.75	8.44	12.2	14.2
EPS Gth Pre Ex (%)	61	(4)	44	16
Diluted EPS (S cts)	8.75	8.44	12.2	14.2
Net DPS (S cts)	1.44	1.69	2.44	2.84
BV Per Share (S cts)	65.4	72.2	81.9	93.3
PE (X)	45.6	47.2	32.7	28.1
PE Pre Ex. (X)	45.6	47.2	32.7	28.1
P/Cash Flow (X)	44.5	29.1	27.3	21.9
EV/EBITDA (X)	27.1	28.3	19.0	16.2
Net Div Yield (%)	0.4	0.4	0.6	0.7
P/Book Value (X)	6.1	5.5	4.9	4.3
Net Debt/Equity (X)	CASH	CASH	CASH	CASH
ROAE (%)	20.9	12.3	15.8	16.2
Earnings Rev (%):		0	0	0
Consensus EPS (S cts):		9.70	12.6	15.1
Other Broker Recs:		B: 3	S: 1	H: 4

Source of all data on this page: Company, DBS Bank, Bloomberg Finance L.P.

Buy ahead of supply chain recovery

Investment Thesis:

Earnings execution and recovery from 2H21 to drive share price recovery - upgrade to BUY! Nanofilm's share price fell by 30% in August on earnings miss and resignation of key executives but we believe the worst is over as 3Q21 could be the worst quarter on the supply front and earnings should recover going forward. We expect share price to break out as the company delivers stronger earnings in 2H21 and 44% EPS growth in 2022 as the supply chain recovers, coupled with the increasing adoption of nanotechnology. 2Q22 should see more broad-based improvement and the situation should normalise in 2023. Overall, we expect the growth for Nanofilm this year due to the supply disruptions to be delayed to next year. Firm earnings execution should also help allay market concerns over the management team.

Well positioned for multiple avenues of growth in the medium term. Growth could come from existing products and industries and also penetration of new markets, including the hydrogen economy, with maiden contribution expected in 2022. Growth is supported by a strong balance sheet with net cash of \$\$189m as at end June 2021, and the new Shanghai plant 2 which still has ample room for expansion.

Valuation:

Higher TP of S\$4.96 on PEG valuation. Our TP is raised to S\$4.96 (previously S\$4.05), pegged to a higher PEG of 0.92x (vs 0.75 previously), which is still at a discount to peers on FY22F earnings, as the supply disruption situation, although shows some pockets of improvement, is not out of the woods yet.

Where we differ:

We value the stock on a PEG methodology, vs the conventional PE method, to capture the strong growth potential going forward.

Key Risks to Our View:

Ability to establish, maintain, and protect its proprietary intellectual property rights; Resurgence of COVID pandemic further aggravating supply chain.

At A Glance

At A Gluttee	
Issued Capital (m shrs)	658
Mkt. Cap (S\$m/US\$m)	2,626 / 1,922
Major Shareholders (%)	
Pearl Yard Holdings Inc	38.4
Harrymore Int	7.2
Venezio Investments Pte Ltd	7.2
Free Float (%)	56.2
3m Avg. Daily Val (US\$m)	4.2
GIC Industry · Materials / Chemicals	







WHAT'S NEW

Buy ahead of anticipated supply chain recovery

Upgrade to BUY with higher TP of S\$4.96; growth delayed to next year. We upgrade Nanofilm to BUY on anticipated improvement in the supply chain situation. We believe 3Q21 could be the worst quarter on the supply front, barring any worsening of the COVID-pandemic, as some pockets of improvement are already seen for some components. 2Q22 should see more broad-based improvement and the situation should normalise in 2023. Overall, we expect the delayed growth for Nanofilm this year due to the supply disruptions to move to next year. Hence, earnings for next year are projected to grow at a strong 44% and another 16% in FY23F.

At the current price, Nanofim is trading at a 32.8x PE on FY22F earnings, near its valuation when it was listed in October 2020, and is also below its -1SD of its average PE since listing.

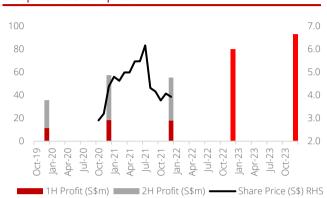
Business update

Sales delayed, not derailed, as demand remains strong. The supply chain disruptions globally, arising from components and chips shortages, coupled with the power crunch in China, have affected the fulfilment of orders for Nanofilm, especially for the Consumer Electronics, Communication, and Computers (3C) segment. While the underlying demand for the 3C segment remains strong, its typical peak season from June to October has been shifted due to the disruptions in the supply chain, to the last quarter of 2021, spilling into 1Q22. The bulk of the orders are pre-orders, and, hence, they need to be fulfilled.

Expect strong earnings growth in FY22F to drive share price recovery. Nanofilm reported a weak set of 1H21 results, affected by the supply chain disruptions and other operational issues. Coupled with the resignation of key executives denting investor confidence, share price plunged about 30%.

Going forward, with the anticipated recovery in the supply chain, we expect the group to book net profit of \$\$37.7m in 2H21, accounting for 68% of the full year earnings for 2021, similar to 2H20. For FY22F, we project strong earnings growth of 44%. Hence, we expect share price to break out of the current \$\$3.60-\$\$4.40 trading range as it tends to move ahead of earnings.

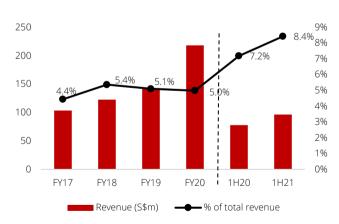
Net profit vs share price



Note: Nanofilm was listed in October 2020 Source: DBS Bank; Company; Bloomberg Finance L.P.

On a longer term basis, the group has been investing in R&D to stay ahead of the curve. R&D and engineering expenses has increased to S\$8.1m in 1H21 from S\$5.6m in 1H20, accounting for 8.4% of total revenue, up from 7.2% in 1H20. Nanofilm's proprietary technology and nanotechnology solutions are the key differentiating factors from its peers.

R&D and engineering expenses trending higher



Source: DBS Bank; Company

Supply still tight now but expect more broad-based improvement in 2Q22 and likely normalisation in 2023. To address the shortage of chips, chip makers have planned for record levels of capex to boost production capacity. These new capacities are expected to come online in 2022/2023. Hence, we believe the chip shortage could



extend into 2023, and 2Q22 should see some broader-based improvement on the supply front. 3Q21 could be the worst quarter, barring any worsening of the COVID-pandemic, as some pockets of improvement are already seen for some components.

Expect smartphone segment to register strong growth; wearables to recover. The smartphone segment is expected to extend its growth in 3Q21 on stable demand and coming from a lower base. Note that the smartphone segment only contributed 13% to total 3C revenue in 1H20 when the group last disclosed its segmental breakdown for the 3C division. Furthermore, the group can also obtain operational leverage from economies of scale.

Growth could resume for the Wearables & Accessories segment, after a decline in 3Q21, as the component shortage issues has improved from 3Q21. The computer segment could see muted growth after a strong 2020 due to the pandemic.

NPI from different divisions to drive growth. We expect more new product introduction (NPI) to go into mass production with the anticipated easing of the supply chain disruptions. Besides 3C, NPI from the Nanofabrication Business Unit (NFBU), including optical lens and sensory components, is expected to contribute significantly. In 3Q21, NFBU commenced mass production of its first micro-lens array (MLA) project for new-generation wearables. This is expected to contribute positively to the performance of NFBU. We expect growing contribution from this segment.

Performance of the 3C industry

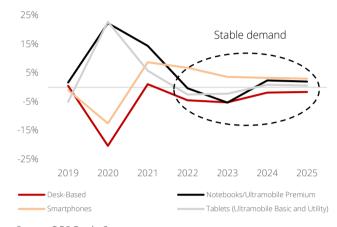
Accounts for c.66% of total revenue. For the 9-month period, 3C contributed about 66% of the group's total revenue. The Smartphone category registered substantial growth, offsetting the declines in the Wearables & Accessories and Computer categories.

Growth for Nanofilm to outpace industry on market share gain and extension of product range. We expect Nanofilm to grow at a faster rate than the industry, as the group is able to gain more market share and also to extend the product range from customers, on increasing adoption of nano technology solutions.

Expect slower growth rate ahead for industry, due to cyclicality and shift in spending. We are anticipating the growth of the 3C market to moderate down from the high

base in 2020 and 2021, propelled by COVID-19. We also believe that some of the growth could be redirected by a shift in consumer spending preferences towards leisure and hospitality as economies reopen. Nevertheless, with the increased digital penetration of economies, these elevated levels of demand should continue.

Y-o-Y Growth for Device Shipments



Source: DBS Bank; Company

Charts/graphics created by DBS Bank based on Gartner research.
Source: Gartner, Inc., Forecast Analysis: PCs, Ultramobiles and Mobile
Phones, Worldwide, Ranjit Atwal, et al, 13 October 2021; Forecast:
Servers, All Countries, 2019-2025, 3Q21 Update, Kiyomi Yamada, et al,
24 September 2021

5G to drive demand for smartphone. 5G is expected to drive demand for smartphones. The transition to 5G has begun and it is currently still in the nascent stage of adoption. Gartner estimates that the percentage of 5G phones sold will rise from 16% in 2020 to 79% in 2025. With greater adoption going forward, this would in turn propel smartphone sales. The strong upgrades driven by 5G adoption and the buildup of upgrades due to pushback decisions early in 2020 is expected to lay the foundation for further growth.

However, this 5G smartphone increase will not be a growth driver across markets globally. Only markets already in the countrywide deployment of 5G or in the early stage of large-scale 5G deployment, including China, mature Asia/Pacific markets, North America, and Western Europe will see smartphone buyers preferring a 5G smartphone. Overall, smartphone shipment is projected to register average growth of 4.2% during the 2022-2025 period.



Structural change driving demand for PCs and tablets. As we pivoted work/school-from-home to manage the COVID-19 pandemic, the demand for PCs and tablets surged. We believe the installed base will remain high and expect demand to be driven by the normalisation of telecommuting and incorporation of flexible working arrangements. However, growth would be muted after the strong base in 2020 and 2021.

Wearables to grow at 5-year CAGR of 17%. According to Statista, worldwide smartwatch shipments is projected to register a 2020-2025 CAGR of 17%.

Smartwatch shipments forecast worldwide (mil units)



Source: Statista; DBS Bank

Maiden revenue contribution from Sydrogen in 2022; meaningful contribution only in medium term.

Sydrogen has already commenced work in Shanghai and Singapore. To prepare for commercial opportunities in China, Sydrogen is commissioning and installing its initial pilot production line at the group's Shanghai Plant 2 for customer qualification in an automotive project involving a key component for a hydrogen fuel cell stack. Sydrogen is working towards a maiden revenue contribution in 2022. However, meaningful contribution can only be expected in the medium to long term.

Ample room for expansion with the new Shanghai plant 2.

The Shanghai plants contribute about 80% of total production, with the bulk still from the existing plant 1. There is still a lot of room for expansion in plant 2, which is currently running at low utilisation rate, and has a much bigger production space of c.66,000 sqm, as compared to

total gross floor area across all its production facilities of c.110,000 sqm.

Risks. The recent discovery of the new Omicron variant could further aggravate the already strained supply chain situation, which could lead to a much longer waiting time for chips and components, dampening demand and order fulfilment.

Earnings and Recommendation

PE valuation back to square one. The share price has been locked in a trading range since the c.30% plunge in August on the back of weak 1H21results and the resignation of key executives denting investor confidence. At current price, Nanofim is trading at a 32.8x PE on FY22F earnings, near its valuation when it was listed in October 2020 and is also below its -1SD of its average PE since listing.

Upgrade to BUY on anticipated improvement in supply chain situation. On the back of the anticipated improvement in the supply chain situation, Nanofilm would be in a better position to fulfil its order backlog. Hence, we upgrade the stock to BUY from HOLD. We expect some of the current orders to flow to next year given the current tight supply situation. Overall, the group is projected to register strong earnings growth of 44% in FY22F and another 16% in FY23F.

TP raised to S\$4.96. Our TP is raised to S\$4.96 (previously S\$4.05), pegged to a higher PEG of 0.92x (vs 0.75 previously), which is still at a 25% discount to peers on FY22F earnings, as the supply disruption situation, although shows some pockets of improvement, is not out of the woods yet. The implied PE for FY21F/FY22F/FY23F works out to 58.8x/40.7x/35x.

Company Background

Nanofilm is a leading provider of nanotechnology solutions in Asia, leveraging its proprietary technologies, core competencies in R&D, engineering, and production to provide technology-based solutions across a wide range of industries.



Historical PE and PB band



Source: Bloomberg Finance L.P., DBS Bank estimates



Source: Bloomberg Finance L.P., DBS Bank estimates



Kev	/ Ass	sum	nti	ons
	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	PCI	

FY Dec	2019A	2020A	2021F	2022F	2023F
Revenue Growth (%)	16.3	52.8	13.8	33.9	16.3
EBITDA Margin (%)	40.0	44.4	44.6	45.8	46.0

Segmental Breakdown

FY Dec	2019A	2020A	2021F	2022F	2023F
Revenues (S\$m)					
Advanced Materials	110	182	206	282	330
Nanofabrication	5.91	11.3	5.63	6.75	8.10
Industrial Equipment	27.4	24.6	36.9	44.3	48.7
Total -	143	218	249	333	387

Income Statement (S\$m)

FY Dec	2019A	2020A	2021F	2022F	2023F
Revenue	143	218	249	333	387
Cost of Goods Sold	(65.2)	(98.6)	(124)	(160)	(186)
Gross Profit	77.7	120	124	173	201
Other Opng (Exp)/Inc	(38.8)	(52.7)	(55.9)	(74.9)	(87.0)
Operating Profit	38.9	67.1	68.3	98.1	114
Other Non Opg (Exp)/Inc	1.91	4.18	0.0	0.0	0.0
Associates & JV Inc	0.0	0.0	0.0	0.0	0.0
Net Interest (Exp)/Inc	(0.9)	(1.1)	(1.1)	(1.1)	(1.1)
Exceptional Gain/(Loss)	0.0	0.0	0.0	0.0	0.0
Pre-tax Profit	39.9	70.3	67.3	97.1	113
Tax	(5.4)	(12.2)	(11.7)	(16.9)	(19.7)
Minority Interest	1.21	(0.5)	0.0	0.0	0.0
Preference Dividend	0.0	0.0	0.0	0.0	0.0
Net Profit	35.8	57.6	55.6	80.2	93.4
Net Profit before Except.	35.8	57.6	55.6	80.2	93.4
EBITDA	55.6	90.3	86.7	129	150
Growth					
Revenue Gth (%)	16.3	52.8	13.8	33.9	16.3
EBITDA Gth (%)	11.2	62.5	(4.0)	48.9	16.2
Opg Profit Gth (%)	9.5	72.8	1.8	43.6	16.3
Net Profit Gth (Pre-ex) (%)	22.0	61.1	(3.5)	44.3	16.5
Margins & Ratio					
Gross Margins (%)	54.3	54.9	50.0	52.0	52.0
Opg Profit Margin (%)	27.2	30.8	27.5	29.5	29.5
Net Profit Margin (%)	25.0	26.4	22.4	24.1	24.1
ROAE (%)	32.7	20.9	12.3	15.8	16.2
ROA (%)	16.9	14.7	9.6	12.4	12.7
ROCE (%)	20.5	17.0	10.8	14.2	14.7
Div Payout Ratio (%)	26.7	16.5	20.0	20.0	20.0
Net Interest Cover (x)	44.7	64.1	65.2	93.6	108.9
Source: Company, DBS Bank					





Interim Income Statement (S\$m)

Revenue Cost of Goods Sold Cp6.71 (38.6) (36.9) (61.6) (52.1) (67.6) (38.6) (49.1) (40.9) 78.9 44.6 (40.1) (40.9) 78.9 44.6 (40.1) (40.1	FY Dec	1H2019	2H2019	1H2020	2H2020	1H2021
Cost of Goods Sold C76.7 (38.6) (36.9) (61.6) (52.1) Cross Profit 28.6 49.1 40.9 78.9 44.6 Other Oper (Expl/Inc (15.3) (21.6) (17.6) (30.8) (23.5)	Revenue	55.2	87.7	77.8	141	96.6
Chere Chero Cher		(26.7)				
Oberatine Profit 13.3 27.5 23.3 48.0 21.0 Other Non Obg (Exb)/inc 0.0						
Other Non Opa (Exp)/Inc 0.0						
Net Interest (Exp\)/Inc (0.4)						
Pre-tax Profit 12.9 27.0 22.6 47.7 21.2 Tax 27.0 22.6 47.7 21.2 Tax 27.0 22.6 47.7 21.2 Tax 27.0 0.51 0.70 (0.2) (0.3) (0.3) (
Pre-tax Profit 12.9 27.0 22.6 47.7 21.2 Tax						
Tax C2.01 C3.41 C4.01 C8.21 C3.11 C9.21 Net Profit C9.21 C						
Net profit bef Except. 11.4 24.4 18.4 39.2 17.9		(2.0)	(3.4)		(8.2)	
Net profit bef Except. 11.4 24.4 18.4 39.2 17.9						
Crowth Revenue Gth (%) nm 58.7 (11.2) 80.5 (31.2)						
Revenue Gth (%)						
EBITDA Gth (%) nm 72.8 (9.3) 82.8 (43.5) Obg Profit Gth (%) nm 106.6 (15.2) 166.2) Net Profit Gth (%) nm 114.2 (24.6) 113.4 (54.4) Margins Gross Margins (%) 24.1 31.3 29.9 34.2 21.8 Net Profit Margins (%) 24.1 31.3 29.9 34.2 21.8 Net Profit Margins (%) 20.6 27.8 23.6 27.9 18.5 Balance Sheet (\$\frac{\star}{\star}\) 2008 2018 2027 227 227 228	Growth					
Ope Profit Gth (%) nm 106.6 (15.2) 106.3 (56.2) Net Profit Gth (%) nm 114.2 (24.6) 113.4 (54.4) Marzins Gross Margins (%) 51.7 56.0 52.6 56.1 46.1 Ope Profit Margins (%) 24.1 31.3 29.9 34.2 21.8 Net Frofit Margins (%) 20.6 27.8 23.6 27.9 18.5 Balance Sheet (\$\$m\$) FY Dec 2019A 2020A 2021F 2022F 2023F Net Fixed Assets 107 17.5 23.7 28.7 33.2 Invts in Associates & JVs 0.0						
Net Profit Gth (%)						
Margins Gross Margins (%) 51.7 56.0 52.6 56.1 46.1 One Profit Margins (%) 24.1 31.3 29.9 34.2 21.8 Net Profit Margins (%) 20.6 27.8 23.6 27.9 18.5 Balance Sheet (\$\$\mathref{sm}\$) FY Dec 2019A 2020A 2021F 2022F 2023F Net Fixed Assets 107 17.5 237 287 332 Invite in Associates & Jvs 0.0 0.0 0.0 0.0 0.0 0.0 Other LT Assets 17.0 17.8 16.9 16.0 15.1 234 16.9 16.0 15.1 234 16.9 16.0 15.1 234 17.0 17.8 16.9 16.0 15.1 235 11.1 17.0 17.8 16.9 16.0 15.1 236 11.1 17.0 17.2 27.7 227 227 227 227 227 228.1 17.0 17.2						
Doe Profit Margins (%) 24.1 31.3 29.9 34.2 21.8			111.2	(21.0)	113.1	(31.17
Balance Sheet (S\$m) 20.6 27.8 23.6 27.9 18.5 Balance Sheet (S\$m) FY Dec 2019A 2020A 2021F 2022F 2023F Net Fixed Assets 107 175 237 287 332 Invts in Associates & JVs 0.0 0.0 0.0 0.0 0.0 Other LT Assets 17.0 17.8 16.9 16.0 15.1 Cash & ST Invts 25.4 227 227 227 248 Inventory 14.7 15.8 19.2 24.7 28.8 Debtors 58.2 95.7 87.6 117 136 Other Current Assets 11.4 17.7						
Balance Sheet (S\$m) FY Dec 2019A 2020A 2021F 2022F 2023F Net Fixed Assets 107 175 237 287 332 Invts in Associates & JVs 0.0 0.0 0.0 0.0 0.0 Other LT Assets 17.0 17.8 16.9 16.0 15.1 Cash & ST Invts 25.4 227 227 227 248 Inventory 14.7 15.8 19.2 24.7 28.8 Debtors 58.2 95.7 87.6 117 136 Other Current Assets 11.4 17.7 17.7 17.7 17.7 Total Assets 234 549 605 690 778 ST Debt 3.86 21.4 21.4 21.4 21.4 Creditor 37.0 47.2 53.1 68.2 79.3 Other Current Liab 14.4 19.1 25.0 30.2 33.0 LT Debt 49.9 18	Opg Profit Margins (%)					
FY Dec 2019A 2020A 2021F 2022F 2023F Net Fixed Assets 107 175 237 287 332 Invts in Associates & JVs 0.0 0.0 0.0 0.0 0.0 Other LT Assets 17.0 17.8 16.9 16.0 15.1 Cash & ST Invts 25.4 227 227 227 248 Inventory 14.7 15.8 19.2 24.7 28.8 Debtors 58.2 95.7 87.6 117 136 Other Current Assets 11.4 17.7 17.7 17.7 17.7 17.7 Total Assets 234 549 605 690 778 ST Debt 3.86 21.4 21.4 21.4 21.4 Creditor 37.0 47.2 53.1 68.2 79.3 Other Current Liab 14.4 19.1 25.0 30.2 33.0 LT Debt 49.9 18.3 18.3 18.3	INEL PTOTIL INIAL SILIS (30)	20.0	27.0	23.0	27.9	0.01
Net Fixed Assets 107 175 237 287 332 Invts in Associates & JVs 0.0 0.0 0.0 0.0 0.0 Other LT Assets 17.0 17.8 16.9 16.0 15.1 Cash & ST Invts 25.4 227 227 227 248 Inventory 14.7 15.8 19.2 24.7 28.8 Debtors 58.2 95.7 87.6 117 136 Other Current Assets 11.4 17.7 17.7 17.7 17.7 Total Assets 234 549 605 690 778 ST Debt 3.86 21.4 21.4 21.4 21.4 Creditor 37.0 47.2 53.1 68.2 79.3 Other Current Liab 14.4 19.1 25.0 30.2 33.0 LT Debt 49.9 18.3 18.3 18.3 18.3 Other LT Liabilities 1.33 2.46 2.46 2.46						
Invts in Associates & JVs	FY Dec	2019A	2020A	2021F	2022F	2023F
Other LT Assets 17.0 17.8 16.9 16.0 15.1 Cash & ST Invts 25.4 227 227 227 248 Inventory 14.7 15.8 19.2 24.7 28.8 Debtors 58.2 95.7 87.6 117 136 Other Current Assets 11.4 17.7 17.7 17.7 17.7 17.7 Total Assets 234 549 605 690 778 ST Debt 3.86 21.4 21.4 21.4 21.4 Creditor 37.0 47.2 53.1 68.2 79.3 Other Current Liab 14.4 19.1 25.0 30.2 33.0 LT Debt 49.9 18.3 18.3 18.3 18.3 Other LT Liabilities 1.33 2.46 2.46 2.46 2.46 Shareholder's Equity 121 431 475 539 614 Minority Interests 6.91 9.59 9.59	Net Fixed Assets	107	175	237	287	332
Cash & ST Invts 25.4 227 227 227 248 Inventory 14.7 15.8 19.2 24.7 28.8 Debtors 58.2 95.7 87.6 117 136 Other Current Assets 11.4 17.7 17.7 17.7 17.7 Total Assets 234 549 605 690 778 ST Debt 3.86 21.4 21.4 21.4 21.4 Creditor 37.0 47.2 53.1 68.2 79.3 Other Current Liab 14.4 19.1 25.0 30.2 33.0 LT Debt 49.9 18.3 18.3 18.3 18.3 Other LT Liabilities 1.33 2.46 2.46 2.46 2.46 Shareholder's Equity 121 431 475 539 614 Minority Interests 6.91 9.59 9.59 9.59 9.59 Total Cap. & Liab. 234 549 605 690	Invts in Associates & JVs	0.0	0.0	0.0	0.0	0.0
Debtors 14.7 15.8 19.2 24.7 28.8						
Debtors 58.2 95.7 87.6 117 136 Other Current Assets 11.4 17.7 17.7 17.7 17.7 Total Assets 234 549 605 690 778 ST Debt 3.86 21.4 21.4 21.4 21.4 Creditor 37.0 47.2 53.1 68.2 79.3 Other Current Liab 14.4 19.1 25.0 30.2 33.0 LT Debt 49.9 18.3 18.3 18.3 18.3 Other LT Liabilities 1.33 2.46 2.46 2.46 2.46 Shareholder's Equity 121 431 475 539 614 Minority Interests 6.91 9.59 9.59 9.59 9.59 Total Cap. & Liab. 234 549 605 690 778 Non-Cash Wkg. Capital 32.9 62.9 46.5 61.3 70.5 Net Cash/(Debt) (28.4) 188 187 1						
Other Current Assets 11.4 17.7 17.7 17.7 17.7 Total Assets 234 549 605 690 778 ST Debt 3.86 21.4 21.4 21.4 21.4 21.4 Creditor 37.0 47.2 53.1 68.2 79.3 Other Current Liab 14.4 19.1 25.0 30.2 33.0 LT Debt 49.9 18.3 18.3 18.3 18.3 Other LT Liabilities 1.33 2.46 2.46 2.46 2.46 Shareholder's Equity 121 431 475 539 614 Minority Interests 6.91 9.59 9.59 9.59 9.59 Total Cap. & Liab. 234 549 605 690 778 Non-Cash Wkg. Capital 32.9 62.9 46.5 61.3 70.5 Net Cash/(Debt) (28.4) 188 187 187 208 Debtors Turn (avg days) 146.9 128.6<						
Total Assets 234 549 605 690 778 ST Debt 3.86 21.4 21.4 21.4 21.4 21.4 Creditor 37.0 47.2 53.1 68.2 79.3 Other Current Liab 14.4 19.1 25.0 30.2 33.0 LT Debt 49.9 18.3 18.3 18.3 18.3 Other LT Liabilities 1.33 2.46 2.46 2.46 2.46 Shareholder's Equity 121 431 475 539 614 Minority Interests 6.91 9.59 9.59 9.59 9.59 Total Cap. & Liab. 234 549 605 690 778 Non-Cash Wkg. Capital 32.9 62.9 46.5 61.3 70.5 Net Cash/(Debt) (28.4) 188 187 187 208 Debtors Turn (avg days) 146.9 128.6 134.6 112.4 119.6 Creditors Turn (avg days) 149.9						
ST Debt 3.86 21.4 21.4 21.4 21.4 Creditor 37.0 47.2 53.1 68.2 79.3 Other Current Liab 14.4 19.1 25.0 30.2 33.0 LT Debt 49.9 18.3 18.3 18.3 18.3 Other LT Liabilities 1.33 2.46 2.46 2.46 2.46 Shareholder's Equity 121 431 475 539 614 Minority Interests 6.91 9.59 9.59 9.59 9.59 Total Cap. & Liab. 234 549 605 690 778 Non-Cash Wkg. Capital 32.9 62.9 46.5 61.3 70.5 Net Cash/(Debt) (28.4) 188 187 187 208 Debtors Turn (avg days) 146.9 128.6 134.6 112.4 119.6 Creditors Turn (avg days) 228.2 193.0 172.6 171.8 179.5 Inventory Turn (avg days) 114.9						
Creditor 37.0 47.2 53.1 68.2 79.3 Other Current Liab 14.4 19.1 25.0 30.2 33.0 LT Debt 49.9 18.3 18.3 18.3 18.3 Other LT Liabilities 1.33 2.46 2.46 2.46 2.46 Shareholder's Equity 121 431 475 539 614 Minority Interests 6.91 9.59 9.59 9.59 9.59 Total Cap. & Liab. 234 549 605 690 778 Non-Cash Wkg. Capital 32.9 62.9 46.5 61.3 70.5 Net Cash/(Debt) (28.4) 188 187 187 208 Debtors Turn (avg days) 146.9 128.6 134.6 112.4 119.6 Creditors Turn (avg days) 228.2 193.0 172.6 171.8 179.5 Inventory Turn (avg days) 114.9 70.0 60.3 62.3 65.1 Asset Turnover (x) 0.7 <td>10(a) 7536(5</td> <td>234</td> <td>343</td> <td>003</td> <td>090</td> <td>770</td>	10(a) 7536(5	234	343	003	090	770
Other Current Liab 14.4 19.1 25.0 30.2 33.0 LT Debt 49.9 18.3 18.3 18.3 18.3 Other LT Liabilities 1.33 2.46 2.46 2.46 2.46 Shareholder's Equity 121 431 475 539 614 Minority Interests 6.91 9.59 9.59 9.59 9.59 Total Cap. & Liab. 234 549 605 690 778 Non-Cash Wkg. Capital 32.9 62.9 46.5 61.3 70.5 Net Cash/(Debt) (28.4) 188 187 187 208 Debtors Turn (avg days) 146.9 128.6 134.6 112.4 119.6 Creditors Turn (avg days) 228.2 193.0 172.6 171.8 179.5 Inventory Turn (avg days) 114.9 70.0 60.3 62.3 65.1 Asset Turnover (x) 0.7 0.6 0.4 0.5 0.5 Current Ratio (x) 2.	ST Debt	3.86	21.4	21.4	21.4	21.4
LT Debt 49.9 18.3 18.3 18.3 18.3 Other LT Liabilities 1.33 2.46 2.46 2.46 2.46 Shareholder's Equity 121 431 475 539 614 Minority Interests 6.91 9.59 9.59 9.59 9.59 Total Cap. & Liab. 234 549 605 690 778 Non-Cash Wkg. Capital 32.9 62.9 46.5 61.3 70.5 Net Cash/(Debt) (28.4) 188 187 187 208 Debtors Turn (avg days) 146.9 128.6 134.6 112.4 119.6 Creditors Turn (avg days) 228.2 193.0 172.6 171.8 179.5 Inventory Turn (avg days) 114.9 70.0 60.3 62.3 65.1 Asset Turnover (x) 0.7 0.6 0.4 0.5 0.5 Current Ratio (x) 2.0 4.1 3.5 3.2 3.2 Quick Ratio (x) 1.5	Creditor	37.0	47.2	53.1	68.2	79.3
Other LT Liabilities 1.33 2.46 2.46 2.46 Shareholder's Equity 121 431 475 539 614 Minority Interests 6.91 9.59 9.59 9.59 9.59 Total Cap. & Liab. 234 549 605 690 778 Non-Cash Wkg. Capital 32.9 62.9 46.5 61.3 70.5 Net Cash/(Debt) (28.4) 188 187 187 208 Debtors Turn (avg days) 146.9 128.6 134.6 112.4 119.6 Creditors Turn (avg days) 228.2 193.0 172.6 171.8 179.5 Inventory Turn (avg days) 114.9 70.0 60.3 62.3 65.1 Asset Turnover (x) 0.7 0.6 0.4 0.5 0.5 Current Ratio (x) 2.0 4.1 3.5 3.2 3.2 Quick Ratio (x) 1.5 3.7 3.2 2.9 2.9 Net Debt/Equity (X) 0.2 CASH						
Shareholder's Equity 121 431 475 539 614 Minority Interests 6.91 9.59 9.59 9.59 9.59 Total Cap. & Liab. 234 549 605 690 778 Non-Cash Wkg. Capital 32.9 62.9 46.5 61.3 70.5 Net Cash/(Debt) (28.4) 188 187 187 208 Debtors Turn (avg days) 146.9 128.6 134.6 112.4 119.6 Creditors Turn (avg days) 228.2 193.0 172.6 171.8 179.5 Inventory Turn (avg days) 114.9 70.0 60.3 62.3 65.1 Asset Turnover (x) 0.7 0.6 0.4 0.5 0.5 Current Ratio (x) 2.0 4.1 3.5 3.2 3.2 Quick Ratio (x) 1.5 3.7 3.2 2.9 2.9 Net Debt/Equity (X) 0.2 CASH CASH CASH CASH Net Debt/Equity ex MI (X) <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>						
Minority Interests 6.91 9.59 9.59 9.59 9.59 Total Cap. & Liab. 234 549 605 690 778 Non-Cash Wkg. Capital 32.9 62.9 46.5 61.3 70.5 Net Cash/(Debt) (28.4) 188 187 187 208 Debtors Turn (avg days) 146.9 128.6 134.6 112.4 119.6 Creditors Turn (avg days) 228.2 193.0 172.6 171.8 179.5 Inventory Turn (avg days) 114.9 70.0 60.3 62.3 65.1 Asset Turnover (x) 0.7 0.6 0.4 0.5 0.5 Current Ratio (x) 2.0 4.1 3.5 3.2 3.2 Quick Ratio (x) 1.5 3.7 3.2 2.9 2.9 Net Debt/Equity (X) 0.2 CASH CASH CASH CASH Net Debt/Equity ex MI (X) 0.2 CASH CASH CASH CASH						
Total Cap. & Liab. 234 549 605 690 778 Non-Cash Wkg. Capital 32.9 62.9 46.5 61.3 70.5 Net Cash/(Debt) (28.4) 188 187 187 208 Debtors Turn (avg days) 146.9 128.6 134.6 112.4 119.6 Creditors Turn (avg days) 228.2 193.0 172.6 171.8 179.5 Inventory Turn (avg days) 114.9 70.0 60.3 62.3 65.1 Asset Turnover (x) 0.7 0.6 0.4 0.5 0.5 Current Ratio (x) 2.0 4.1 3.5 3.2 3.2 Quick Ratio (x) 1.5 3.7 3.2 2.9 2.9 Net Debt/Equity (X) 0.2 CASH CASH CASH CASH Net Debt/Equity ex MI (X) 0.2 CASH CASH CASH CASH						
Non-Cash Wkg. Capital 32.9 62.9 46.5 61.3 70.5 Net Cash/(Debt) (28.4) 188 187 187 208 Debtors Turn (avg days) 146.9 128.6 134.6 112.4 119.6 Creditors Turn (avg days) 228.2 193.0 172.6 171.8 179.5 Inventory Turn (avg days) 114.9 70.0 60.3 62.3 65.1 Asset Turnover (x) 0.7 0.6 0.4 0.5 0.5 Current Ratio (x) 2.0 4.1 3.5 3.2 3.2 Quick Ratio (x) 1.5 3.7 3.2 2.9 2.9 Net Debt/Equity (X) 0.2 CASH CASH CASH CASH Net Debt/Equity ex MI (X) 0.2 CASH CASH CASH CASH	_					
Net Cash/(Debt) (28.4) 188 187 187 208 Debtors Turn (avg days) 146.9 128.6 134.6 112.4 119.6 Creditors Turn (avg days) 228.2 193.0 172.6 171.8 179.5 Inventory Turn (avg days) 114.9 70.0 60.3 62.3 65.1 Asset Turnover (x) 0.7 0.6 0.4 0.5 0.5 Current Ratio (x) 2.0 4.1 3.5 3.2 3.2 Quick Ratio (x) 1.5 3.7 3.2 2.9 2.9 Net Debt/Equity (X) 0.2 CASH CASH CASH CASH Net Debt/Equity ex MI (X) 0.2 CASH CASH CASH CASH	Total Cap. & Llab.	234	J 43	003	090	770
Debtors Turn (avg days) 146.9 128.6 134.6 112.4 119.6 Creditors Turn (avg days) 228.2 193.0 172.6 171.8 179.5 Inventory Turn (avg days) 114.9 70.0 60.3 62.3 65.1 Asset Turnover (x) 0.7 0.6 0.4 0.5 0.5 Current Ratio (x) 2.0 4.1 3.5 3.2 3.2 Quick Ratio (x) 1.5 3.7 3.2 2.9 2.9 Net Debt/Equity (X) 0.2 CASH CASH CASH CASH Net Debt/Equity ex MI (X) 0.2 CASH CASH CASH CASH	Non-Cash Wkg. Capital	32.9	62.9	46.5	61.3	70.5
Creditors Turn (avg days) 228.2 193.0 172.6 171.8 179.5 Inventory Turn (avg days) 114.9 70.0 60.3 62.3 65.1 Asset Turnover (x) 0.7 0.6 0.4 0.5 0.5 Current Ratio (x) 2.0 4.1 3.5 3.2 3.2 Quick Ratio (x) 1.5 3.7 3.2 2.9 2.9 Net Debt/Equity (X) 0.2 CASH CASH CASH CASH Net Debt/Equity ex MI (X) 0.2 CASH CASH CASH CASH	Net Cash/(Debt)	(28.4)		187	187	208
Inventory Turn (avg days) 114.9 70.0 60.3 62.3 65.1 Asset Turnover (x) 0.7 0.6 0.4 0.5 0.5 Current Ratio (x) 2.0 4.1 3.5 3.2 3.2 Quick Ratio (x) 1.5 3.7 3.2 2.9 2.9 Net Debt/Equity (X) 0.2 CASH CASH CASH CASH Net Debt/Equity ex MI (X) 0.2 CASH CASH CASH CASH			128.6	134.6		
Asset Turnover (x) 0.7 0.6 0.4 0.5 0.5 Current Ratio (x) 2.0 4.1 3.5 3.2 3.2 Quick Ratio (x) 1.5 3.7 3.2 2.9 2.9 Net Debt/Equity (X) 0.2 CASH CASH CASH CASH Net Debt/Equity ex MI (X) 0.2 CASH CASH CASH CASH						
Current Ratio (x) 2.0 4.1 3.5 3.2 3.2 Quick Ratio (x) 1.5 3.7 3.2 2.9 2.9 Net Debt/Equity (X) 0.2 CASH CASH CASH CASH Net Debt/Equity ex MI (X) 0.2 CASH CASH CASH CASH						
Quick Ratio (x) 1.5 3.7 3.2 2.9 2.9 Net Debt/Equity (X) 0.2 CASH CASH CASH CASH Net Debt/Equity ex MI (X) 0.2 CASH CASH CASH CASH	* *					
Net Debt/Equity (X)0.2CASHCASHCASHNet Debt/Equity ex MI (X)0.2CASHCASHCASH	` '					
Net Debt/Equity ex MI (X) 0.2 CASH CASH CASH CASH						

Source: Company, DBS Bank





Cash Flow Statement (S\$m)

FY Dec	2019A	2020A	2021F	2022F	2023F
Pre-Tax Profit	39.9	70.3	67.3	97.1	113
Dep. & Amort.	14.8	19.0	18.3	30.9	35.7
Tax Paid	(7.1)	(10.2)	(5.8)	(11.7)	(16.9)
Assoc. & JV Inc/(loss)	0.0	0.0	0.0	0.0	0.0
Chg in Wkg.Cap.	2.67	(26.1)	10.6	(20.0)	(12.0)
Other Operating CF	2.18	6.11	0.0	0.0	0.0
Net Operating CF	52.5	59.0	90.4	96.2	120
Capital Exp.(net)	(47.6)	(80.5)	(80.0)	(80.0)	(80.0)
Other Invts.(net)	0.0	0.0	0.0	0.0	0.0
Invts in Assoc. & JV	2.61	0.0	0.0	0.0	0.0
Div from Assoc & JV	0.0	0.0	0.0	0.0	0.0
Other Investing CF	(0.3)	0.0	0.0	0.0	0.0
Net Investing CF	(45.3)	(80.5)	(80.0)	(80.0)	(80.0)
Div Paid	(9.5)	(9.6)	(11.1)	(16.0)	(18.7)
Chg in Gross Debt	3.95	35.3	0.0	0.0	0.0
Capital Issues	0.0	206	0.0	0.0	0.0
Other Financing CF	(1.6)	(9.9)	0.0	0.0	0.0
Net Financing CF	(7.2)	222	(11.1)	(16.0)	(18.7)
Currency Adjustments	(0.5)	1.10	0.0	0.0	0.0
Chg in Cash	(0.5)	202	(0.8)	0.19	21.2
Opg CFPS (S cts)	7.57	12.9	12.1	17.7	20.0
Free CFPS (S cts)	0.74	(3.3)	1.57	2.47	6.06

Source: Company, DBS Bank

Target Price & Ratings History



S.No.	Date of Report	Closing Price	Target Price	Rating
1:	18 Mar 21	4.84	6.22	BUY
2:	17 Aug 21	3.82	4.18	HOLD
3:	14 Oct 21	3.68	4.05	HOLD

Note: Share price and Target price are adjusted for corporate actions.

Source: DBS Bank Analyst: Lee Keng LING



DBS Bank recommendations are based on an Absolute Total Return* Rating system, defined as follows:

STRONG BUY (>20% total return over the next 3 months, with identifiable share price catalysts within this time frame)

BUY (>15% total return over the next 12 months for small caps, >10% for large caps)

HOLD (-10% to +15% total return over the next 12 months for small caps, -10% to +10% for large caps)

FULLY VALUED (negative total return, i.e., > -10% over the next 12 months)

SELL (negative total return of > -20% over the next 3 months, with identifiable share price catalysts within this time frame)

Completed Date: 9 Dec 2021 06:50:59 (SGT) Dissemination Date: 9 Dec 2021 06:56:34 (SGT)

Sources for all charts and tables are DBS Bank unless otherwise specified.

GENERAL DISCLOSURE/DISCLAIMER

This report is prepared by DBS Bank Ltd. This report is solely intended for the clients of DBS Bank Ltd, DBS Vickers Securities (Singapore) Pte Ltd, its respective connected and associated corporations and affiliates only and no part of this document may be (i) copied, photocopied or duplicated in any form or by any means or (ii) redistributed without the prior written consent of DBS Bank Ltd.

The research set out in this report is based on information obtained from sources believed to be reliable, but we (which collectively refers to DBS Bank Ltd, its respective connected and associated corporations, affiliates and their respective directors, officers, employees and agents (collectively, the "DBS Group") have not conducted due diligence on any of the companies, verified any information or sources or taken into account any other factors which we may consider to be relevant or appropriate in preparing the research. Accordingly, we do not make any representation or warranty as to the accuracy, completeness or correctness of the research set out in this report. Opinions expressed are subject to change without notice. This research is prepared for general circulation. Any recommendation contained in this document does not have regard to the specific investment objectives, financial situation and the particular needs of any specific addressee. This document is for the information of addressees only and is not to be taken in substitution for the exercise of judgement by addressees, who should obtain separate independent legal or financial advice. The DBS Group accepts no liability whatsoever for any direct, indirect and/or consequential loss (including any claims for loss of profit) arising from any use of and/or reliance upon this document and/or further communication given in relation to this document. This document is not to be construed as an offer or a solicitation of an offer to buy or sell any securities. The DBS Group, along with its affiliates and/or persons associated with any of them may from time to time have interests in the securities mentioned in this document. The DBS Group, may have positions in, and may effect transactions in securities mentioned herein and may also perform or seek to perform broking, investment banking and other banking services for these companies.

Any valuations, opinions, estimates, forecasts, ratings or risk assessments herein constitutes a judgment as of the date of this report, and there can be no assurance that future results or events will be consistent with any such valuations, opinions, estimates, forecasts, ratings or risk assessments. The information in this document is subject to change without notice, its accuracy is not guaranteed, it may be incomplete or condensed, it may not contain all material information concerning the company (or companies) referred to in this report and the DBS Group is under no obligation to update the information in this report.

This publication has not been reviewed or authorized by any regulatory authority in Singapore, Hong Kong or elsewhere. There is no planned schedule or frequency for updating research publication relating to any issuer.

The valuations, opinions, estimates, forecasts, ratings or risk assessments described in this report were based upon a number of estimates and assumptions and are inherently subject to significant uncertainties and contingencies. It can be expected that one or more of the estimates on which the valuations, opinions, estimates, forecasts, ratings or risk assessments were based will not materialize or will vary significantly from actual results. Therefore, the inclusion of the valuations, opinions, estimates, forecasts, ratings or risk assessments described herein IS NOT TO BE RELIED UPON as a representation and/or warranty by the DBS Group (and/or any persons associated with the aforesaid entities), that:

- (a) such valuations, opinions, estimates, forecasts, ratings or risk assessments or their underlying assumptions will be achieved, and
- (b) there is any assurance that future results or events will be consistent with any such valuations, opinions, estimates, forecasts, ratings or risk assessments stated therein.

^{*}Share price appreciation + dividends



Please contact the primary analyst for valuation methodologies and assumptions associated with the covered companies or price targets.

Any assumptions made in this report that refers to commodities, are for the purposes of making forecasts for the company (or companies) mentioned herein. They are not to be construed as recommendations to trade in the physical commodity or in the futures contract relating to the commodity referred to in this report.

DBSVUSA, a US-registered broker-dealer, does not have its own investment banking or research department, has not participated in any public offering of securities as a manager or co-manager or in any other investment banking transaction in the past twelve months and does not engage in market-making.

ANALYST CERTIFICATION

The research analyst(s) primarily responsible for the content of this research report, in part or in whole, certifies that the views about the companies and their securities expressed in this report accurately reflect his/her personal views. The analyst(s) also certifies that no part of his/her compensation was, is, or will be, directly or indirectly, related to specific recommendations or views expressed in the report. The research analyst (s) primarily responsible for the content of this research report, in part or in whole, certifies that he or his associate does not serve as an officer of the issuer or the new listing applicant (which includes in the case of a real estate investment trust, an officer of the management company of the real estate investment trust; and in the case of any other entity, an officer or its equivalent counterparty of the entity who is responsible for the management of the issuer or the new listing applicant) and the research analyst(s) primarily responsible for the content of this research report or his associate does not have financial interests in relation to an issuer or a new listing applicant that the analyst reviews. DBS Group has procedures in place to eliminate, avoid and manage any potential conflicts of interests that may arise in connection with the production of research reports. The research analyst(s) responsible for this report operates as part of a separate and independent team to the investment banking function of the DBS Group and procedures are in place to ensure that confidential information held by either the research or investment banking function is handled appropriately. There is no direct link of DBS Group's compensation to any specific investment banking function of the DBS Group.

COMPANY-SPECIFIC / REGULATORY DISCLOSURES

- 1. DBS Bank Ltd, DBS HK, DBS Vickers Securities (Singapore) Pte Ltd ("DBSVS") or their subsidiaries and/or other affiliates do not have a proprietary position in the securities recommended in this report as of 31 Oct 2021.
- 2. Neither DBS Bank Ltd nor DBS HK market makes in equity securities of the issuer(s) or company(ies) mentioned in this Research Report.

Compensation for investment banking services:

3. DBSVUSA does not have its own investment banking or research department, nor has it participated in any public offering of securities as a manager or co-manager or in any other investment banking transaction in the past twelve months. Any US persons wishing to obtain further information, including any clarification on disclosures in this disclaimer, or to effect a transaction in any security discussed in this document should contact DBSVUSA exclusively.

Disclosure of previous investment recommendation produced:

4. DBS Bank Ltd, DBS Vickers Securities (Singapore) Pte Ltd ("DBSVS"), their subsidiaries and/or other affiliates may have published other investment recommendations in respect of the same securities / instruments recommended in this research report during the preceding 12 months. Please contact the primary analyst listed on page 1 of this report to view previous investment recommendations published by DBS Bank Ltd, DBS Vickers Securities (Singapore) Pte Ltd ("DBSVS"), their subsidiaries and/or other affiliates in the preceding 12 months.

¹ An associate is defined as (i) the spouse, or any minor child (natural or adopted) or minor step-child, of the analyst; (ii) the trustee of a trust of which the analyst, his spouse, minor child (natural or adopted) or minor step-child, is a beneficiary or discretionary object; or (iii) another person accustomed or obliged to act in accordance with the directions or instructions of the analyst.

² Financial interest is defined as interests that are commonly known financial interest, such as investment in the securities in respect of an issuer or a new listing applicant, or financial accommodation arrangement between the issuer or the new listing applicant and the firm or analysis. This term does not include commercial lending conducted at arm's length, or investments in any collective investment scheme other than an issuer or new listing applicant notwithstanding the fact that the scheme has investments in securities in respect of an issuer or a new listing applicant.





RESTRICTIONS ON DISTRIBUTION

General	This report is not directed to, or intended for distribution to or use by, any person or entity who is a citizen or
Gerierai	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.
Australia	This report is being distributed in Australia by DBS Bank Ltd, DBS Vickers Securities (Singapore) Pte Ltd ("DBSVS") or
, 1000.0.10	DBSV HK. DBS Bank Ltd holds Australian Financial Services Licence no. 475946.
	DBS Bank Ltd, DBSVS and DBSV HK are exempted from the requirement to hold an Australian Financial Services
	Licence under the Corporation Act 2001 ("CA") in respect of financial services provided to the recipients. Both DBS
	and DBSVS are regulated by the Monetary Authority of Singapore under the laws of Singapore, and DBSV HK is
	regulated by the Hong Kong Securities and Futures Commission under the laws of Hong Kong, which differ from
	Australian laws.
	Distribution of this report is intended only for "wholesale investors" within the meaning of the CA.
Hong Kong	This report has been prepared by a person(s) who is not licensed by the Hong Kong Securities and Futures
	Commission to carry on the regulated activity of advising on securities in Hong Kong pursuant to the Securities and
	Futures Ordinance (Chapter 571 of the Laws of Hong Kong). This report is being distributed in Hong Kong and is
	attributable to DBS Bank (Hong Kong) Limited ("DBS HK"), a registered institution registered with the Hong Kong Securities and Futures Commission to carry on the regulated activity of advising on securities pursuant to the
	Securities and Futures Ordinance (Chapter 571 of the Laws of Hong Kong). DBS Bank Ltd., Hong Kong Branch is a
	limited liability company incorporated in Singapore.
	inflited liability company incorporated in Singapore.
	For any query regarding the materials herein, please contact Carol Wu (Reg No. AH8283) at dbsvhk@dbs.com
	To fairly query regarding the materials herein, prease contact early wa (heg wo. / 11/02/03) at aboving abs.com
Indonesia	This report is being distributed in Indonesia by PT DBS Vickers Sekuritas Indonesia.
maonesia	
Malaysia	This report is distributed in Malaysia by AllianceDBS Research Sdn Bhd ("ADBSR"). Recipients of this report,
j	received from ADBSR are to contact the undersigned at 603-2604 3333 in respect of any matters arising from or in
	connection with this report. In addition to the General Disclosure/Disclaimer found at the preceding page,
	recipients of this report are advised that ADBSR (the preparer of this report), its holding company Alliance
	Investment Bank Berhad, their respective connected and associated corporations, affiliates, their directors, officers
	employees, agents and parties related or associated with any of them may have positions in, and may effect
	transactions in the securities mentioned herein and may also perform or seek to perform broking, investment
	banking/corporate advisory and other services for the subject companies. They may also have received
	compensation and/or seek to obtain compensation for broking, investment banking/corporate advisory and other
	services from the subject companies.
	GP
	W M TI 5 1 2 1 2 1 2 2 1 2 2 1 2 2 2 1 2 2 2 2
	Wong Ming Tek, Executive Director, ADBSF
Singapore	This report is distributed in Singapore by DBS Bank Ltd (Company Regn. No. 196800306E) or DBSVS (Company
Jii igapoi e	Regn No. 198600294G), both of which are Exempt Financial Advisers as defined in the Financial Advisers Act and
	regulated by the Monetary Authority of Singapore. DBS Bank Ltd and/or DBSVS, may distribute reports produced
	by its respective foreign entities, affiliates or other foreign research houses pursuant to an arrangement under
	Regulation 32C of the Financial Advisers Regulations. Where the report is distributed in Singapore to a person who
	is not an Accredited Investor, Expert Investor or an Institutional Investor, DBS Bank Ltd accepts legal responsibility
	for the contents of the report to such persons only to the extent required by law. Singapore recipients should
	contact DBS Bank Ltd at 6327 2288 for matters arising from, or in connection with the report.
Thailand	This report is being distributed in Thailand by DBS Vickers Securities (Thailand) Co Ltd.





United Kingdom	This report is produced by DBS Bank Ltd which is regulated by the Monetary Authority of Singapore. This report is disseminated in the United Kingdom by DBS Vickers Securities (UK) Ltd, ("DBSVUK"). DBSVUK is authorised and regulated by the Financial Conduct Authority in the United Kingdom. In respect of the United Kingdom, this report is solely intended for the clients of DBSVUK, its respective connected and associated corporations and affiliates only and no part of this document may be (i) copied, photocopied or duplicated in any form or by any means or (ii) redistributed without the prior written consent of DBSVUK. This communication is directed at persons having professional experience in matters relating to investments. Any investment activity following from this communication will only be engaged in with such persons. Persons who do not have professional experience in matters relating to investments should not rely on this communication.
Dubai International Financial Centre	This research report is being distributed by DBS Bank Ltd., (DIFC Branch) having its office at units 608 - 610, 6 th Floor, Gate Precinct Building 5, PO Box 506538, DIFC, Dubai, United Arab Emirates. DBS Bank Ltd., (DIFC Branch) is regulated by The Dubai Financial Services Authority. This research report is intended only for professional clients (as defined in the DFSA rulebook) and no other person may act upon it.
United Arab Emirates	This report is provided by DBS Bank Ltd (Company Regn. No. 196800306E) which is an Exempt Financial Adviser as defined in the Financial Advisers Act and regulated by the Monetary Authority of Singapore. This report is for information purposes only and should not be relied upon or acted on by the recipient or considered as a solicitation or inducement to buy or sell any financial product. It does not constitute a personal recommendation or take into account the particular investment objectives, financial situation, or needs of individual clients. You should contact your relationship manager or investment adviser if you need advice on the merits of buying, selling or holding a particular investment. You should note that the information in this report may be out of date and it is not represented or warranted to be accurate, timely or complete. This report or any portion thereof may not be reprinted, sold or redistributed without our written consent.
United States	This report was prepared by DBS Bank Ltd. DBSVUSA did not participate in its preparation. The research analyst(s) named on this report are not registered as research analysts with FINRA and are not associated persons of DBSVUSA. The research analyst(s) are not subject to FINRA Rule 2241 restrictions on analyst compensation, communications with a subject company, public appearances and trading securities held by a research analyst. This report is being distributed in the United States by DBSVUSA, which accepts responsibility for its contents. This report may only be distributed to Major U.S. Institutional Investors (as defined in SEC Rule 15a-6) and to such other institutional investors and qualified persons as DBSVUSA may authorize. Any U.S. person receiving this report who wishes to effect transactions in any securities referred to herein should contact DBSVUSA directly and not its affiliate.
Other jurisdictions	In any other jurisdictions, except if otherwise restricted by laws or regulations, this report is intended only for qualified, professional, institutional or sophisticated investors as defined in the laws and regulations of such jurisdictions.



DBS Regional Research Offices

HONG KONG DBS (Hong Kong) Ltd

Contact: Carol Wu 13th Floor One Island East, 18 Westlands Road, Quarry Bay, Hong Kong Tel: 852 3668 4181 Fax: 852 2521 1812 e-mail: dbsyhk@dbs.com

INDONESIA PT DBS Vickers Sekuritas (Indonesia)

Contact: Maynard Priajaya Arif DBS Bank Tower Ciputra World 1, 32/F Jl. Prof. Dr. Satrio Kav. 3-5 Jakarta 12940, Indonesia Tel: 62 21 3003 4900 Fax: 6221 3003 4943 e-mail: indonesiaresearch@dbs.com

MALAYSIA

AllianceDBS Research Sdn Bhd

Contact: Wong Ming Tek 19th Floor, Menara Multi-Purpose, Capital Square, 8 Jalan Munshi Abdullah 50100 Kuala Lumpur, Malaysia. Tel.: 603 2604 3333 Fax: 603 2604 3921

e-mail: general@alliancedbs.com Co. Regn No. 198401015984 (128540-U)

THAILAND

DBS Vickers Securities (Thailand) Co Ltd

Contact: Chanpen Sirithanarattanakul 989 Siam Piwat Tower Building, 9th, 14th-15th Floor Rama 1 Road, Pathumwan, Bangkok Thailand 10330 Tel. 66 2 857 7831 Fax: 66 2 658 1269

e-mail: research@th.dbs.com Company Regn. No 0105539127012 Securities and Exchange Commission, Thailand

SINGAPORE DBS Bank Ltd

Contact: Janice Chua
12 Marina Boulevard,
Marina Bay Financial Centre Tower 3
Singapore 018982
Tel: 65 6878 8888
e-mail: groupresearch@dbs.com
Company Regn. No. 196800306E