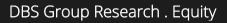
Regional Market Focus ETFs In Focus



ETFs In Focus: Energy – Riding on high oil prices, growing adoption of renewables

- Expect another leg up for oil prices on the back of tighter market conditions in 2023
- Hedge against persistently high inflation trends through energy-focused ETFs
- Valuations attractive; trading at lowest PE versus other sectors and the broader market index
- Pick XLE, VDE, IXC for exposure to oil & gas sector
- For exposure to the fast-growing renewable energy segment, our picks are ACES, PBD, and QCLN
- Oil demand to recover in 2023 while supply could remain

tight. While oil has fallen from its recent peak in July due to global growth downgrades and the China slowdown, we believe there could be another leg up for oil on the back of (i) further sanctions and retaliations amid ongoing geopolitical conflicts, (ii) limited spare capacity of OPEC+ members, and (iii) post-COVID reopening and the recovery in air travel.

Hedge against higher inflation through energy ETF.

Investors looking to hedge against inflation can consider the energy segment. Oil prices have exhibited the ability to keep pace with and/or beat inflation. An energy-focused ETF is one of the better options to hedge against inflation.

Inflation here to stay. Policymakers and market participants acknowledge that inflation is likely to stay higher for longer. This thus necessitates investors to consider assets/sectors that serve as effective hedges to inflation. For the most part, oil prices have exhibited its ability to keep pace or beat inflation over the last 20 years.

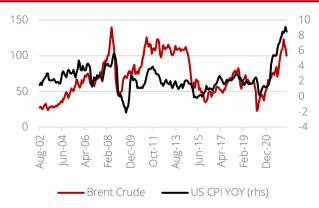
Refer to important disclosures at the end of this report.

6 Sep 2022

Analysts

Lee Keng LING Singapore Research Team

20-year prices: Oil and US CPI



Source: Bloomberg Finance L.P., DBS Bank

Please refer to Appendix for more information on 1) NikkoAM Singapore STI ETF; 2) NikkoAM Straits Trading Asia ex-Japan REIT ETF; 3) NikkoAM SGD Investment Grade Corporate Bond ETF; 4) ABF Singapore Bond Index; 5) ICBC CSOP FTSE China Government Bond ETF; 6) NikkoAM-ICBCSG China Bond ETF; and 7) Lion-OCBC Securities HS TECH ETF

- "The ETFs specifically mentioned herein may not be recognised, authorised or otherwise registered in Singapore for retail distribution. This research is intended for general circulation only and its contents do not take into account the specific investment objectives, financial situation or particular needs of any particular person. Before deciding to purchase any ETF, an investor should seek advice from a financial adviser regarding the suitability of the investment product, taking into account his specific investment objectives, financial situation and particular needs."
- 2. "DBS, in publishing this research on ETFs, and DBSV in circulating the research, are not and should not be taken or considered as having made an offer, recommendation or solicitation to buy or sell the ETFs or to enter into a transaction or to participate in any particular trading or investment strategy. Any reference to any specific company, financial product or asset class in whatever way is used for illustrative purposes only and does not constitute a recommendation on the same."







Oil prices remain volatile, but downside limited after

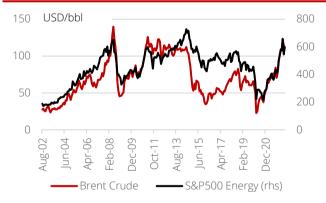
pullback. Oil prices were pulled down of late by demand side concerns. Brent crude oil price has fallen by more than 15% since the beginning of July, mainly due to the looming recession concerns. Despite the expected global growth slowdown, oil demand recovery in 2023 is expected to remain intact, driven by post-COVID reopening and the recovery in air travel. On the supply side, the market could tighten further by the end of the year.

Lowering 2H22 forecasts but raising 2023 forecasts.

Considering lower demand growth assumptions in the near term but overall favourable demand-supply balance in 2023, our energy analyst has lowered the 2H22 oil price forecast but raised 2023 forecasts. In our latest report <u>Oil</u> <u>prices: Down but not out</u> issued on 2 September 2022, he now expects the Brent crude oil price to average around US\$100/bbl in 2H22, down from the earlier expectations of approximately US\$110/bbl. The full-year forecast for 2023 is however, revised up to US\$100-105/bbl, from US\$90-95/bbl earlier.

Energy sector outperformed YTD. Despite the volatility, the Energy sector has outperformed the broader S&P 500 Index as well as other sectors, with a YTD return of 51%. The volatile energy sector has a strong correlation of 0.78 with oil prices. The strong performance is to be expected given the elevated oil prices.

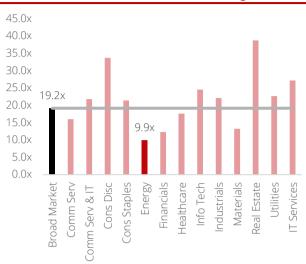
20-year prices: Oil and energy sector



Source: Bloomberg Finance L.P., DBS Bank

Attractive valuations relative to broader market. The energy sector is currently trading at a trailing and forward PE ratio of 9.9x and 7.7x, respectively, below other sectors as well as the broader market index, which is at 19.2x and 17.3x. Low trailing and forward PE ratios suggest that investors are still discounting this sector – possibly in anticipation of looming global macro headwinds – notwithstanding the high current (and projected) earnings.

S&P 500 Sectors' Relative Valuations (Trailing PE)



Source: Bloomberg Finance L.P., DBS Bank

Don't rule out clean energy. Renewable energy growth accelerating at a fast speed. Though conventional sources will still be the mainstay of energy generation for now, there is a growing effort by governments and corporates to tackle emissions. In the long term, renewable energy is expected to be the main source of energy. The International Energy Agency (IEA) projects almost 90% of electricity generation to come from renewable sources by 2050.

Key risks to our view include a slowdown in the global economy, demand destruction on persistently higher inflation and/or interest rates, geopolitical furores affecting demand-supply dynamics, and a surge in oil supply.

Exposure through energy ETF. An energy-focused ETF is one of the options for investors to gain exposure to energy plays. The sector is underrepresented in global equity indices. In terms of allocation, the energy sector only accounts for c.4%-5% in the S&P 500 and MSCI World indices. Moreover, an ETF provides diversified exposure to different segments of the energy market (e.g., upstream, downstream, and also clean energy), which helps to reduce risks and capture upside throughout the cycle.

ETF exposure

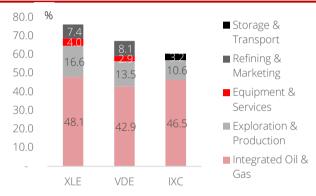
XLE, VDE, IXC for oil & gas exposure. For exposure to the oil & gas companies, we continue to favour integrated players with operations across the whole value chain of the oil business. These include the upstream exploration and production businesses, and also downstream businesses that mainly pertain to refinement and marketing activities. An integrated player enjoys better control over the entire value chain and provides for various streams of revenue



and diversification. Our picks in this space include Energy Select Sector SPDR ETF (XLE), Vanguard Energy ETF (VDE), and iShares Global Energy ETF (IXC).

All the three picks have close to 50% exposure to the integrated oil & gas segment for its top 10 holdings. Other segments in the oil & gas value chain include exploration and production, storage and transportation, refining and marketing, and also equipment and service providers.

Analysis of Top 10 Holdings



Source: Bloomberg Finance L.P., DBS Bank

In terms of holdings, **both XLE and VDE**, which are more US-centric, have about 40% exposure to US oil majors Exxon Mobil and Chevron. **XLE** tracks the Energy Select Sector Index and its portfolio mainly favours large caps. **VDE** tracks the performance of the MSCI US Investable Market Index, which is made up of stocks of large, midsized, and small US companies within the energy sector.

Unlike XLE and VDE, IXC has more global exposure. **IXC** tracks the performance of the S&P Global 1200 Energy (Sector) Index, and has a smaller exposure to Exxon Mobil and Chevron, of close to 30%. Other top holdings include Shell, TotalEnergies, and ConocoPhillips. In terms of geographical exposure, the US accounts for 58.3%, Canada 12.9%, UK 12.2%, and France 5.4% as at end-June 2022.

Among the three oil & gas picks, XLE stands out with its large AUM of US\$36.8bn and high liquidity of 29.1m average shares traded per day. VDE also has a decent fund size of US\$7.8bn. The fund size for IXC is smaller, at US\$2.1bn, but offers global exposure. The expense ratio for both XLE and VDE is lower at 0.10%, vs. 0.43% for IXC. In the clean energy space, our preferences are ALPS Clean Energy ETF (ACES US), Invesco Global Clean Energy ETF (PBD US), and First Trust NASDAQ Clean Edge Green Energy Index Fund (QCLN US).

Since we last report on clean energy in April 2022, all our three picks have done well, up between 4% to 21%, despite easing off from the peak in August.

ACES tracks companies involved in the clean energy industry, including renewables and clean technology. Top holdings include Tesla, First Solar, Enphase Energy, and Plug Power. In terms of sector allocation as at end-July 2022, oil & gas accounts for 25.1%, utilities 22.3%, financials 11.9%, industrials 6.5%, and consumer goods 5.7%.

PBD invests in global renewable energy companies, including those involved in conservation, improving energy efficiency, and advancing renewable energy. PBD tracks the WilderHill New Energy Global Innovation Index. Its top 10 holdings account for less than a 2% stake each, and include stocks like First Solar, Stem Inc, and Plug Power. 45.2% of the funds are invested in the industrials sector, 18.3% in utilities, 17.6% in information technology, 9.3% in consumer discretionary, 6% in materials, and 2.8% in the energy sector as at end-August 2022.

QCLN holds a broad portfolio of US-listed firms in the clean energy industry. QCLN tracks the NASDAQ Clean Edge Green Energy Index. Its top holdings include Enphase Energy, Tesla, Albemarle Corp (specialty chemical manufacturing), ON Semiconductor Corp (semiconductor supplier), and NIO (Chinese EV manufacturer).

QCLN has the largest AUM of c.US\$2.3bn, while both ACES and PBD are much smaller in terms of AUM. QCLN also has the highest trading liquidity, with an average daily turnover volume of c.0.26m shares.



Comparison of ETFs – Oil & Gas

	XLE	VDE	IXC		
Key Data	y Data				
Underlying index	Jnderlying index Energy Select Sector M Total Return Index		S&P Global 1200 Energy Sector Custom Jan 2013 FX USD Net Total Return Index		
Fund size (US\$m)	36,811.5	7,832.7	2,054.0		
Average daily trading volume ('000)	29,119.0	1,065.9	1,096.6		
Replication strategy	Full	Full	Full		
Date listed	22-Dec-98	29-Sep-04	16-Nov-01		
Primary exchange	NYSE Arca	NYSE Arca	NYSE Arca		
Valuation					
Price (US\$)	\$79.96	\$112.94	\$36.81		
NAV (US\$)	\$80.06	\$113.00	\$36.80		
Premium to NAV	-0.13%	-0.05%	0.02%		
Risk					
Tracking error (1Y)	0.6	0.5	2.3		
Expense ratio	0.10	0.10	0.43		
Volatility (30D) (%)	33.5	33.9	29.9		
Sharpe ratio (1Y)	2.30	2.26	1.94		

Comparison of ETFs – Renewable Energy

	ACES	PBD	QCLN	
Key Data	Key Data			
Underlying index	CIBC Atlas Clean Energy Index TR	WilderHill New Energy Global Innovation Total Return Index	NASDAQ Clean Edge U.S. Liquid Series Index	
Fund size (US\$m)	781.3	247.8	2,264.1	
Average daily trading volume ('000)	112.5	40.8	260.2	
Replication strategy	Full	Full	Full	
Date listed	29-Jun-18	13-Jun-07	14-Feb-07	
Primary exchange	NYSE Arca	NYSE Arca	NASDAQ GM	
Valuation				
Price (US\$)	\$60.92	\$21.88	\$61.44	
NAV (US\$)	\$60.84	\$21.97	\$61.46	
Premium to NAV	0.13%	-0.42%	-0.03%	
Risk				
Tracking error (1Y)	1.1	3.9	0.6	
Expense ratio	0.55	0.75	0.60	
Volatility (30D) (%)	44.6	37.7	42.0	
Sharpe ratio (1Y)	-0.19	-0.67	-0.05	

Source: DBS Bank; Bloomberg Finance L.P.

References

2 Sep 2022	<u>Oil & Gas – Oil prices: Down but not out</u>
24 Aug 2022	Thailand Energy: Time to accumulate power stocks
28 Apr 2022	ETF in Focus - Green Energy: Rising urgency amid the Russia-Ukraine conflict

ETF Performance

- Performance of ETFs highlighted in ETF Strategy reports in the past year, arranged in order, starting from the latest

<mark>Healthcare</mark> KXI US XLP US	ETF Name ISHARES GLOBAL HEALTHCARE ET HEALTH CARE SELECT SECTOR VANGUARD HEALTH CARE ETF		Current Price (\$)	Since Report Date	1 week	1-mth	3-mth	6-mth	1 year
KXI US XLP US VDC US Average	HEALTH CARE SELECT SECTOR	-	_						- Jean
XLP US VDC US Average	HEALTH CARE SELECT SECTOR	-							
VDC US Average		29-11-22	78.13	-6.7%	-1.6%	-5.6%	-5.9%	-6.5%	-12.8%
Average	VANGUARD HEALTH CARE ETF	2.) jui 22	124.99	-5.6%	-1.1%	-4.9%	-3.7%	-5.7%	-8.7%
		29-Jul-22	231.43	-5.5%	-1.4%	-5.5%	-2.9%	-5.9%	-12.9%
Consumer Staples				-5.9%	-1.4%	-5.3%	-4.2%	-6.0%	-11.5%
bunner budpieb									
KXI US	ISHARES GLOBAL CONSUMER STAP	01-Jul-22	57.46	-1.6%	-2.6%	-3.8%	-4.2%	-6.0%	-8.5%
XLP US	CONSUMER STAPLES SPDR	01-Jul-22	72.56	-0.9%	-2.4%	-2.8%	-1.7%	-4.4%	-0.4%
VDC US	VANGUARD CONSUMER STAPLE ETF	01-Jul-22	187.19	-0.4%	-2.4%	-2.6%	-1.4%	-4.6%	-0.9%
Average				-1.0%	-2.5%	-3.1%	-2.4%	-5.0%	-3.3%
Gold									
GLD US	SPDR GOLD SHARES	02-Jun-22	159.26	-8.7%	-1.6%	-3.6%	-7.7%	-13.3%	-6.9%
IAU US	ISHARES GOLD TRUST	02-Jun-22	32.47	-8.6%	-1.6%	-3.6%	-7.6%	-13.2%	-6.7%
GDX UP	VANECK GOLD MINERS ETF	02-Jun-22	23.79	-28.7%	-3.3%	-9.5%	-26.9%	-36.4%	-28.5%
Average				-15.3%	-2.2%	-5.6%	-14.1%	-21.0%	-14.1%
Green Energy									
ACES US	ALPS CLEAN ENERGY ETF	29-Apr-22	60.92	21.6%	-3.6%	-1.9%	13.8%	11.0%	-14.1%
PBD US	INVESCO GLOBAL CLEAN ENERGY	29-Apr-22	21.88	2.7%	-4.9%	-6.9%	-1.3%	0.2%	-27.3%
QCLN US	FIRST TRUST NASDAQ CLEAN EDG	29-Apr-22	61.44	17.7%	-5.3%	-3.8%	8.9%	9.6%	-8.7%
Average				14.0%	-4.6%	-4.2%	7.1%	6.9%	-16.7%
S-REITs									
SREITS SP	LION-PHILLIP S-REIT ETF	29-Mar-22	0.99	-6.6%	-0.9%	-3.0%	-2.8%	-2.9%	-10.1%
AXJREIT SP	NIKKOAM ST A E JP REITETF-SG	29-Mar-22	1.02	-6.8%	-0.5%	-2.8%	-4.1%	-3.5%	-10.4%
Average	2			-6.7%	-0.7%	-2.9%	-3.4%	-3.2%	-10.2%
Oil & Gas									
XLE UP	ENERGY SELECT SECTOR SPDR	08-Mar-22	79.96	3.1%	-4.9%	9.4%	-10.7%	6.3%	64.5%
XOP UP	SPDR S&P OIL & GAS EXP & PR	08-Mar-22	142.40	12.2%	-5.6%	10.3%	-11.9%	13.9%	68.5%
VDE UP	VANGUARD ENERGY ETF	08-Mar-22	112.94	5.1%	-4.7%	9.9%	-9.5%	7.8%	64.6%
	ISHARES GLOBAL ENERGY ETF	08-Mar-22	36.81	2.9%	-5.0%	7.8%	-11.2%	5.6%	48.1%
Average				5.8%	-5.0%	9.4%	-10.8%	8.4%	61.4%
Financials									
	FINANCIAL SELECT SECTOR SPDR	04-Feb-22	32.89	-18.0%	-1.8%	-2.4%	-5.7%	-11.7%	-13.6%
	VANGUARD FINANCIALS ETF	04-Feb-22	80.84	-17.7%	-1.8%	-2.6%	-5.6%	-11.3%	-14.2%
	ISHARES U.S. FINANCIAL SERVI	04-Feb-22	156.11	-21.0%	-1.7%	-4.2%	-6.2%	-11.6%	-17.7%
	ISHARES MSCI EUROPE FINANCIA	04-Feb-22	14.96	-29.3%	-1.6%	-7.0%	-16.9%	-9.6%	-26.3%
Average				-18.9%	-1.7%	-3.1%	-5.8%	-11.5%	-15.2%
Oil & Gas									
XLE UP	ENERGY SELECT SECTOR SPDR	25-Jan-22	79.96	22.4%	-4.9%	9.4%	-10.7%	6.3%	64.5%
	SPDR S&P OIL & GAS EXP & PR	25-Jan-22	142.40	34.0%	-5.6%	10.3%	-11.9%	13.9%	68.5%
	VANGUARD ENERGY ETF	25-Jan-22	112.94	25.1%	-4.7%	9.9%	-9.5%	7.8%	64.6%
			36.81	16.2%	-5.0%	7.8%	-11.2%	5.6%	48.1%
Average		25-Jan-22		24.4%	-5.0%	9.4%	-10.8%	8.4%	61.4%
Semiconductors									
	ISHARES SEMICONDUCTOR ETF	03-Dec-21	358.85	-31.6%	-5.1%	-14.4%	-14.8%	-20.1%	-23.8%
	VANECK SEMICONDUCTOR ETF	03-Dec-21	207.82	-31.0%	-4.9%	-14.7%	-14.0%	-18.6%	-24.0%
	INVESCO DYNAMIC SEMICONDUCTO	03-Dec-21	98.60	-33.0%	-5.8%	-15.1%	-14.8%	-19.3%	-25.4%
	SPDR S&P SEMICONDUCTOR ETF	03-Dec-21	164.04	-30.3%	-6.6%	-12.7%	-9.8%	-15.0%	-20.6%
Average	S. S. S. SEMICONDUCTOR EII		107.04	-30.5%	-5.6%	-14.2%	-13.3%	-18.3%	-20.0%

ETF Performance (Continued)

- Performance of ETFs highlighted in ETF Strategy reports in the past year, arranged in order, starting from the latest

				Price Performance (%)					
BB Code	ETF Name	Report Date	- Current Price (\$)	Since Report Date	1 week	1-mth	3-mth	6-mth	1 year
Carbon Credits									
ICLN US	ISHARES GLOBAL CLEAN ENERGY	26-Nov-21	21.44	-9.2%	-4.1%	-4.3%	5.7%	10.4%	-9.2%
INRG LN	ISHARES GLOBAL CLEAN ENERGY	26-Nov-21	1,079.75	7.6%	-3.0%	2.0%	20.0%	29.1%	10.7%
PBW US	INVESCO WILDERHILL CLEAN ENE	26-Nov-21	54.42	-36.9%	-5.6%	-7.5%	1.5%	-1.6%	-34.0%
2809 HK	GLOBAL X CHINA CLEAN ENE-HKD	26-Nov-21	129.80	-15.5%	-6.7%	-7.3%	-2.8%	-10.8%	-17.1%
9809 HK	GLOBAL X CHINA CLEAN ENE-USD	26-Nov-21	16.51	-16.3%	-6.6%	-7.4%	-2.8%	-11.5%	-17.5%
Average				-14.0%	-5.2%	-4.9%	4.3%	3.1%	-13.4%
Hydrogen									
HTWO IM	L&G HYDROGEN ECONOMY ETF	29-Oct-21	5.61	-25.8%	-4.6%	-5.0%	-6.7%	-2.4%	-21.7%
367770 KS	KBSTAR FN HYDROGEN ECON ETF	29-Oct-21	10,335.00	-15.4%	0.0%	3.8%	-2.1%	-1.3%	-17.9%
ACES US	ALPS CLEAN ENERGY ETF	29-Oct-21	60.92	-23.1%	-3.6%	-1.9%	13.8%	11.0%	-14.1%
Average				-21.4%	-2.7%	-1.0%	1.7%	2.4%	-17.9%
REITS									
SREITS SP	LION-PHILLIP S-REIT ETF	01-Oct-21	0.99	-6.6%	-0.9%	-3.0%	-2.8%	-2.9%	-10.1%
AXJREIT SP	NIKKOAM ST A E JP REITETF-SG	01-Oct-21	1.02	-5.5%	-0.5%	-2.8%	-4.1%	-3.5%	-10.4%
Average				-6.0%	-0.7%	-2.9%	-3.4%	-3.2%	-10.2%
Clean Energy									
TAN US	INVESCO SOLAR ETF	27-Aug-21	80.84	-3.9%	-4.6%	-4.6%	9.8%	19.0%	-6.0%
ACES US	ALPS CLEAN ENERGY ETF	27-Aug-21	60.92	-13.6%	-3.6%	-1.9%	13.8%	11.0%	-14.1%
PBD US	INVESCO GLOBAL CLEAN ENERGY	27-Aug-21	21.88	-25.3%	-4.9%	-6.9%	-1.3%	0.2%	-27.3%
QCLN US	FIRST TRUST NASDAQ CLEAN EDG	27-Aug-21	61.44	-7.6%	-5.3%	-3.8%	8.9%	9.6%	-8.7%
Average				-12.6%	-4.6%	-4.3%	7.8%	9.9%	-14.0%
Electric Vehicles									
VOLT LN	WT BATTERY SOLUTIONS-USD ACC	30-Jul-21	39.12	-23.3%	-3.7%	-4.1%	-5.6%	-10.6%	-24.5%
DRIV US	GLOBAL X AUTONOMOUS&ELEC-ETF	30-Jul-21	22.77	-20.3%	-5.3%	-7.5%	-7.4%	-10.8%	-21.1%
ECAR LN	ISHARES EV & E DRIV TECH	30-Jul-21	6.32	-21.6%	-2.8%	-5.1%	-5.2%	-6.2%	-21.5%
KARS US	KRANESHARES ELECTRIC VEHICLE	30-Jul-21	34.33	-28.0%	-5.7%	-8.8%	-6.0%	-7.7%	-27.5%
Average				-23.3%	-4.4%	-6.4%	-6.1%	-8.8%	-23.7%
ESG									
ESGU US	ISHARES ESG AWARE MSCI USA	30-Jun-21	87.40	-11.2%	-2.6%	-5.3%	-4.5%	-9.8%	-16.1%
USSG US	XTRACKERS MSCI USA ESG LDRS	30-Jun-21	35.57	-10.0%	-2.7%	-6.0%	-5.4%	-10.6%	-15.3%
SUSA US	ISHARES MSCI USA ESG SELECT	30-Jun-21	83.74	-12.4%	-2.8%	-6.1%	-5.0%	-10.2%	-17.8%
ESGD US	ISHARES TRUST ISHARES ESG AW	30-Jun-21	60.84	-23.0%	-3.3%	-7.0%	-12.7%	-12.3%	-26.2%
ESGE US	ISHARES INC ISHARES ESG AWAR	30-Jun-21	30.81	-31.8%	-2.7%	-3.9%	-9.5%	-14.3%	-29.4%
CRBN US	ISHARES MSCI ACWI LOW CARBON	30-Jun-21	138.34	-16.7%	-2.9%	-5.7%	-7.5%	-11.1%	-20.1%
Average		5		-17.5%	-2.8%	-5.7%	-7.4%	-11.4%	-20.8%

Source: DBS Bank; Bloomberg Financial L.P.

SPDR Energy Select Sector

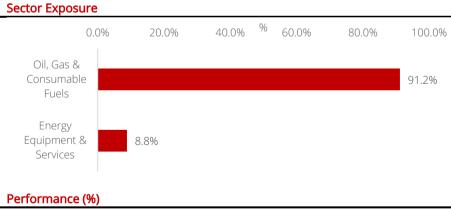
Benchmark: S&P Energy Select Sector Total Return Index

Performance since inception



Fund description:

- Seeks to provide investment results that, before expenses, correspond generally to the price and yield performance of the Energy Select Sector Index, and are an effective representation of the energy sector's S&P 500 Index
- Seeks to provide precise exposure to companies in the oil, gas, and consumable fuel; energy equipment; and services industries
- Allows investors to take strategic or tactical positions at a more targeted level than traditional style-based investing



	A	Annualised (%)			Cumulative (%)			
	1Y	2Y	Incep.	1Y	2Y	Incep.		
Fund	72.1	58.9	7.9	72.1	152.4	513.3		
Benchmark	72.5	59.2	9.4*	72.5	153.5	464.9*		

*Note: *Based on a different inception date. Benchmark inception date is as of 02 July 2003 Source: Bloomberg Finance L.P., DBS Bank, respective fund fact sheets*

XLE US

05-Sep-2022

Price (US\$) Total return	79.96 72.1%
Key Data	
Manager	State Street
Fund size (US\$m)	36,811.5
Avg daily trade	29,119.0
('000)	
Expense ratio (%)	0.10
Replication strategy	Full
Primary exchange	NYSE Arca
Inception date	22 Dec 98

Valuation

Fund PE	10.1
Benchmark PE	9.9
Fund PB	2.3
Benchmark PB	2.4
Fund dividend yield (%)	3.5

Risk

0.6
33.5
2.3
-76.7

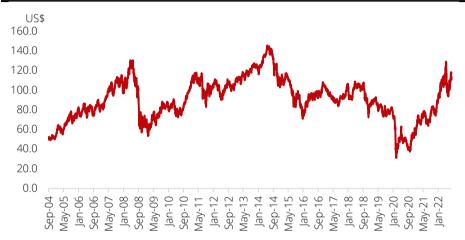
Top Holdings (%)

Exxon Mobil Corp	22.7
Chevron Corp	20.8
ConocoPhillips	4.9
Occidental Petroleum	4.6
EOG Resources Inc	4.4
Pioneer Natural	4.0
Resources Co	4.0
Schlumberger NV	4.0
Marathon Petroleum	3.5
Valero Energy Corp	3.2
Total	76.1

Vanguard Energy ETF

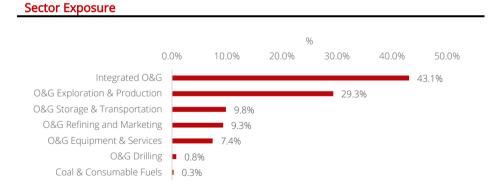
Benchmark: MSCI US IMI Energy 25-50 Gross Total Return USD Index

Performance since inception



Fund description:

- Seeks to track the performance of a benchmark index that measures the investment return of stocks in the energy sector
- Includes stocks of companies involved in the exploration and production of energy products such as oil, natural gas, and coal



Performance (%)

	А	Annualised (%)			Cumulative (%)			
	1Y	2Y	Incep.	1Y	2Y	Incep.		
Fund	71.7	62.0	7.1	71.7	162.6	240.2		
Benchmark	72.0	62.3	3.9*	7.20	163.3	45.3*		

*Note: *Based on a different inception date. Benchmark inception date is as of 04 Jan 2013 Source: Bloomberg Finance L.P., DBS Bank, respective fund fact sheets*

VDE US

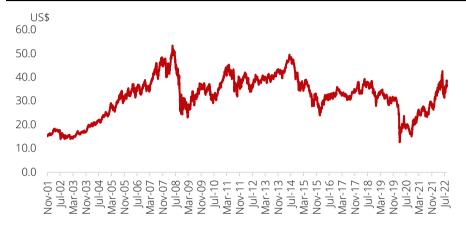
05-Sep-2022

Price (US\$) Total return	112.94 71.7%
Key Data	
Manager Fund size (US\$m) Avg daily trade ('000)	Vanguard 7,832.7 1,065.9
Expense ratio (%) Replication strategy Primary exchange Inception date	0.10 Full NYSE Arca 24 Sep 94
Valuation	
Fund PE Benchmark PE Fund PB Benchmark PB Fund dividend yield (%) Risk	10.9 10.7 2.3 2.4 3.3
Tracking error (%) Volatility (%) Sharpe ratio Max drawdown (%) Top Holdings (%)	0.5 33.9 2.26 -78.5
Exxon Mobil Corp Chevron Corp ConocoPhillips EOG Resources Inc Occidental Petroleum Marathon Petroleum Pioneer Natural Resource Schlumberger NV Valero Energy Corp Phillips 66 Total	22.3 17.2 6.8 3.6 3.4 3.2 e 3.0 2.9 2.5 2.4 67.3

iShares Global Energy ETF

Benchmark: S&P Global 1200 Energy Sector Custom Jan 2013 FX USD Net Total Return Index

Performance since inception



Fund description:

- Seeks to track the investment results of an index composed of global equities in the energy sector, i.e., to express a global sector view
- Provides exposure to companies that produce and distribute oil and gas and provides targeted access to energy stocks from around the world

Sector Exposure							
0.0)% 1	0.0%	20.0%	% 30.0%	40.0%	50.0%	60.0%
Integrated O&G							56.6%
O&G Exploration & Production			20).7%			
O&G Storage & Transportation		10	0.5%				
O&G Refining and Marketing		7.0%					
O&G Equipment & Services	4	.4%					
Coal & Consumable Fuels	0.4%						
Cash & others	0.5%						

Performance (%)

	A	Annualised (%)		Cumulative (%)		
	1Y	2Y	Incep.	1Y	2Y	Incep.
Fund	54.6	46.6	7.2	54.6	115.0	325.2
Benchmark	54.5	46.3	6.9	54.5	11.4	303.5

Source: Bloomberg Finance L.P., DBS Bank, respective fund fact sheets

IXC US

05-Sep-2022

Price (US\$)	36.81
Total return	54.6%

Key Data

Manager	BlackRock
Fund size (US\$m)	2,054.0
Avg daily trade ('000)	1,096.6
Expense ratio (%)	0.43
Replication strategy	Full
Primary exchange	NYSE Arca
Inception date	16 Nov 01

Valuation

Fund PE	9.2
Benchmark PE	8.9
Fund PB	1.8
Benchmark PB	1.8
Fund dividend yield (%)	3.9

Risk

Tracking error (%)	2.3
Volatility (%)	29.9
Sharpe ratio	1.9
Max drawdown (%)	-76.1

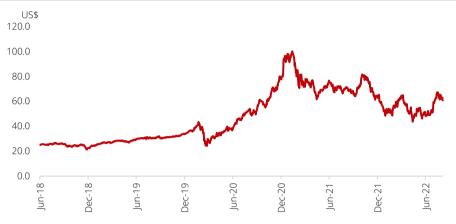
Top Holdings (%)

Exxon Mobil Corp	15.5
Chevron Corp	12.0
Shell PLC	7.9
ConocoPhillips	5.5
TotalEnergies SE	4.8
BP PLC	4.0
Enbridge Inc	3.2
EOG Resources Inc	2.7
Canadian Nat Resources	2.4
Occidental Petroleum	60.4
Total	

Alps Clean Energy ETF

Benchmark: CIBC Atlas Clean Energy Index Total Return

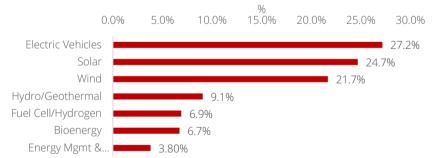
Performance since inception



Fund description:

- Seeks investment results that correspond generally to the performance of its underlying index, the CIBC Atlas Clean Energy Index (NACEX)
- The index is designed to provide exposure to a diverse set of US and Canadian companies involved in the clean energy sector including renewables and clean technology

Sector Exposure



Performance (%)

	A	Annualised (%)		Cumulative (%)		
	1Y	2Y	Incep.	1Y	2Y	Incep.
Fund	-13.5	11.0	24.8	-13.5	23.3	152.8
Benchmark	-13.4	11.4	25.3	-13.4	24.1	157.0

Source: Bloomberg Finance L.P., DBS Bank, respective fund fact sheets

ACES US

05-Sep-2022

Price (US\$) Total return	60.92 -13.5%
Key Data	
Manager	ALPS
Fund size (US\$m)	781.3
Avg daily trade ('000)	112.5
Expense ratio (%)	0.55
Replication strategy	Full
Primary exchange	NYSE Arca
Inception date	29 Jun 18

Valuation

Fund PE	n.a.
Benchmark PE	n.a.
Fund PB	3.0
Benchmark PB	3.1
Fund dividend yield (%)	0.7

Risk

1.1
44.6
-0.2
-56.3

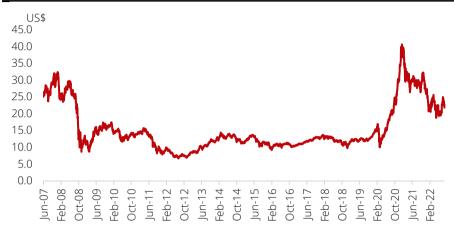
Top Holdings (%)

First Solar Inc	7.4
Plug Power Inc	6.4
Enphase Energy Inc	6.3
Sunrun Inc	5.2
Tesla Inc	5.1
Northland Power Inc	4.9
NextEra Energy Partners	4.8
Rivian Automotive Inc	4.7
Brookfield Renew. Partn.	4.6
Livent Corp	4.1
Total	53.3

Invesco Global Clean Energy

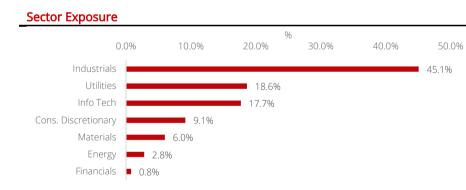
Benchmark: WilderHill New Energy Global Innovation Total Return Index

Performance since inception



Fund description:

- The Invesco Global Clean Energy ETF is based on the WilderHill New Energy Global Innovation Index
- The fund will generally invest at least 90% of its total assets in securities that make up the index
- The index is comprised of companies engaged in the business of the advancement of cleaner energy and conservation



Performance (%)

	Annualised (%)			Cumulative (%)		
1Y 2Y Incep.		1Y	2Y	Incep.		
Fund	-26.4	5.4	0.2	-26.4	11.0	3.5
Benchmark	-26.0	6.1	0.9	-26.0	12.6	14.5

Source: Bloomberg Finance L.P., DBS Bank, respective fund fact sheets

PBD US

05-Sep-2022

Price (US\$) Total return	21.88 -26.4%
Key Data	
Manager	Invesco
Fund size (US\$m)	247.8
Avg daily trade ('000)	40.8
Expense ratio (%)	0.75
Replication strategy	Full
Primary exchange	NYSE Arca
Inception date	13 Jun 07

Valuation

Fund PE	n.a.
Benchmark PE	n.a.
Fund PB	2.6
Benchmark PB	2.7
Fund dividend yield (%)	1.3

Risk

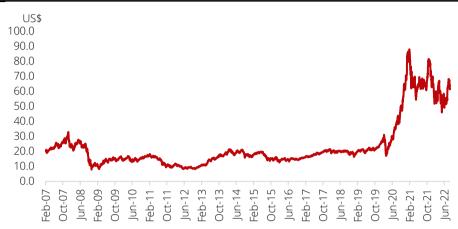
3.9
37.7
-0.67
-79.2
1.5

1.0
1.4
1.2
1.2
1.2
1.2
1.2
1.2
1.1
1.1
12.4

First Trust NASDAQ Clean EDG

Benchmark: NASDAQ Clean Edge U.S. Liquid Series Index

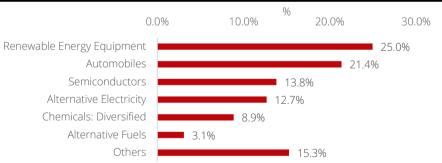
Performance since inception



Fund description:

- The First Trust tracks the NASDAQ Clean Edge Green Energy Index
- The index is designed to track the performance of US-listed companies engaged in manufacturing, development, distribution, and installation of clean energy technologies

Sector Exposure



Performance (%)

	Annualised (%)			Cumulative (%)		
	1Y	2Y	Incep.	1Y	2Y	Incep.
Fund	-8.7	23.7	8.0	-8.7	53.1	232.4
Benchmark	-8.2	24.4	8.1	-8.2	54.6	235.6

Source: Bloomberg Finance L.P., DBS Bank, respective fund fact sheets

QCLN US

05-Sep-2022

CA 44

Price (US\$)	61.44
Total return	-8.7%
Key Data	
Manager	First Trust
Fund size (US\$m)	2,264.1
Avg daily trade ('000)	260.2
Expense ratio (%)	0.60
Replication strategy	Full
Primary exchange	NASDAQ GM
Inception date	14 Feb 07
Valuation	
Fund PE	215.7
Benchmark PE	778.7
Fund PB	4.2
Benchmark PB	3.9
Fund dividend yield (%) 0.0
Risk	
Tracking error (%)	0.6
Volatility (%)	42.0
Sharpe ratio	0.0
Max drawdown (%)	-76.2
Top Holdings (%)	
Enphase Energy Inc	10.8
ON Semiconductor Co	rp 8.0
Tesla Inc	7.7
Albemarle Corp	7.2
NIO Inc	6.8
Plug Power Inc	4.4
First Solar Inc	4.0
Wolfspeed Inc	4.0
SolarEdge Technologie	
Brookfield Renew. Part	
Total	59.3



Appendix – ETFs to Watch



ETFs to Watch (05 September 2022)

	DBSSTI	AXJREIT	NIKIGCB	SBIF	CYC	ZHY	HST
Key Data							
ETF name	NikkoAM Singapore STI ETF	NikkoAM Straits Trading Asia ex-Japan REIT ETF	NikkoAM SGD Investment Grade Corporate Bond ETF	ABF	ICBC CSOP FTSE China Government Bond ETF	NikkoAM-ICBCSG China Bond ETF	Lion-OCBC Securities HS TECH ETF
Underlying index	Straits Times Index	FTSE EPRA Nareit Asia ex Japan REITS 10% Capped Index	iBoxx SGD Non- Sovereigns Large Cap Index	iBoxx ABF Singapore Total Return Index	FTSE Chinese Government Bond Index	ChinaBond ICBC 1-10 Year Treasury and Policy Bank Bond Index	Hang Seng TECH Index
Fund size (LCY'm)	629.9	415.2	522.6	977.4	1,693.8	1,224.7	315.1
Average daily trading volume ('000)	322.7	1,654.9	464.9	433.5	18.6	24.4	3,698.6
Total return (1Y)	10.0%	-4.7%	-7.1%	-10.3%	1.2%	4.0%	-33.9%
Replication strategy	Full	Full	Full	Full	Optimised	Optimised	Full
Date listed	25/02/2009	29/04/2017	27/08/2018	31/08/2005	21/09/2020	24/11/2020	10/12/2020
Primary exchange	Singapore	Singapore	Singapore	Singapore	Singapore	Singapore	Singapore
Valuation							
Price (LCY\$)	\$3.30	\$1.01	\$0.95	\$1.04	\$14.23	\$5.43	\$0.72
NAV (LCY\$)	\$3.32	\$1.02	\$0.94	\$1.04	\$70.11	\$5.43	\$4.10
Risk							
Tracking error (1Y)	2.8	2.5	2.1	1.3	2.8	0.9	#N/A N/A
Expense ratio	0.30	0.60	0.30	0.25	0.25	0.30	0.68
Volatility (30D) (%)	8.4	9.0	3.2	4.4	3.6	1.8	32.6
Sharpe ratio (1Y)	0.8	-0.5	-3.1	-2.1	0.0	1.1	-0.8

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



Completed Date: 6 Sep 2022 07:42:37 Dissemination Date: 6 Sep 2022 08:18:27

DISCLOSURE/DISCLAIMER

This report is prepared by DBS Bank. 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) redist13

ributed without the prior written consent of DBS Bank.

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, DBS Vickers Securities (Singapore) Pte 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 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.

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 associate¹ 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 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. The management of this research report or his associate does not have financial interests² 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 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 of the DBS Group.

COMPANY-SPECIFIC / REGULATORY DISCLOSURES

- DBS Bank Ltd, DBS HK, DBS Vickers Securities (Singapore) Pte Ltd ("DBSVS") or their subsidiaries and/or other affiliates have proprietary positions in VANECK GOLD MINERS ETF, HEALTH CARE SELECT SECTOR, CONSUMER STAPLES SPDR, SPDR S&P OIL & GAS EXP & PR, ENERGY SELECT SECTOR SPDR, FINANCIAL SELECT SECTOR SPDR, NIKKOAM-ICBCSG CH BD ETF-SGD, NIKKOAM-ICBCSG CH BD ETF-RMB, ISHARES GLOBAL CLEAN ENERGY, VANECK SEMICONDUCTOR ETF, ISHARES SEMICONDUCTOR ETF, SPDR GOLD SHARES, ABF SINGAPORE BOND INDX FUND, NIKKOAM ST A E JP REITETF-SG, NIKKO AM SGD INV GR CO B ETF, NIKKO AM SINGAPORE STI ETFrecommended in this report as of 2 Sep 2022.
- DBS Bank Ltd, DBS HK, DBSVS, their subsidiaries and/or other affiliates have a net long position exceeding 0.5% of the total issued share capital in NIKKOAM-ICBCSG CH BD ETF-SGD, NIKKOAM-ICBCSG CH BD ETF-RMB, recommended in this report as of 2 Sep 2022.
- 3. DBS Bank Ltd, DBS HK, DBSVS, DBSVUSA or their subsidiaries and/or other affiliates beneficially own a total of 1% of any class of common equity securities of NIKKOAM-ICBCSG CH BD ETF-SGD, NIKKOAM-ICBCSG CH BD ETF-RMB, as of 2 Sep 2022.
- 4. DBS Bank Ltd, DBS HK, DBSVS, DBSVUSA, their subsidiaries and/or other affiliates beneficially own a total of 5% or more of any class of common equity securities of NIKKOAM-ICBCSG CH BD ETF-SGD, NIKKOAM-ICBCSG CH BD ETF-RMB, as of 2 Sep 2022.

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.



Compensation for investment banking services:

5. 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:

6. 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.



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 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 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 personnel of DBS Bank Ltd, 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.
	For any query regarding the materials herein, please contact Dennis Lam (Reg No. AH8290) at <u>dbsvhk@dbs.com</u>
Indonesia	This report is being distributed in Indonesia by PT DBS Vickers Sekuritas Indonesia.
Malaysia	This report is distributed in Malaysia by AllianceDBS Research Sdn Bhd ("ADBSR"). Recipients of this report, 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.
	- Gir
	Wong Ming Tek, Executive Director, ADBSR
Singapore	This report is distributed in Singapore by DBS Bank Ltd (Company Regn. No. 196800306E) or DBSVS (Company 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 6878 8888 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.
	For any query regarding the materials herein, please contact Chanpen Sirithanarattanakul at research@th.dbs.com

Market Focus

ETFs In Focus



	This separation produced by DDC Depleted which is regulated by the Manatany Authority of Cingenera
United	This report is produced by DBS Bank Ltd which is regulated by the Monetary Authority of Singapore.
Kingdom	This report is disseminated in the United Kingdom by DBS Bank Ltd, London Branch ("DBS UK"). DBS UK is authorised by the Prudential Regulation Authority and is subject to regulation by the Financial Conduct Authority and limited regulation by the Prudential Regulation Authority. Details about the extent of our regulation by the Prudential Regulation form us on request.
	In respect of the United Kingdom, this report is solely intended for the clients of DBS UK, 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 UK, 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 investment.
Dubai International Financial Centre	This communication is provided to you as a Professional Client or Market Counterparty as defined in the DFSA Rulebook Conduct of Business Module (the "COB Module"), and should not be relied upon or acted on by any person which does not meet the criteria to be classified as a Professional Client or Market Counterparty under the DFSA rules.
	This communication is from the branch of DBS Bank Ltd operating in the Dubai International Financial Centre (the "DIFC") under the trading name "DBS Bank Ltd. (DIFC Branch)" ("DBS DIFC"), registered with the DIFC Registrar of Companies under number 156 and having its registered office at units 608 - 610, 6th Floor, Gate Precinct Building 5, PO Box 506538, DIFC, Dubai, United Arab Emirates.
	DBS DIFC is regulated by the Dubai Financial Services Authority (the "DFSA") with a DFSA reference number F000164. For more information on DBS DIFC and its affiliates, please see <a "offer="" (difc="" 12="" 19(2)="" 2010).<="" 2012)="" a="" an="" article="" as="" collective="" defined="" fund"="" href="http://www.dbs.com/ae/our</th></tr><tr><th></th><th>Where this communication contains a research report, this research report is prepared by the entity referred to therein, which may be DBS Bank Ltd or a third party, and is provided to you by DBS DIFC. The research report has not been reviewed or authorised by the DFSA. Such research report is distributed on the express understanding that, whilst the information contained within is believed to be reliable, the information has not been independently verified by DBS DIFC.</th></tr><tr><th></th><th>Unless otherwise indicated, this communication does not constitute an " investment="" law="" markets="" no.1="" no.2="" of="" offer="" or="" public"="" securities="" th="" the="" to="" under="" unit="">
	The DFSA has no responsibility for reviewing or verifying this communication or any associated documents in connection with this investment and it is not subject to any form of regulation or approval by the DFSA. Accordingly, the DFSA has not approved this communication or any other associated documents in connection with this investment nor taken any steps to verify the information set out in this communication or any associated documents to which the communication relates and, in respect of any Islamic investments (or other investments identified to be Shari'a compliant), neither we nor the DFSA has determined whether they are Shari'a compliant in any way.
	Any investments which this communication relates to may be illiquid and/or subject to restrictions on their resale. Prospective purchasers should conduct their own due diligence on any investments. If you do not understand the contents of this document you should consult an authorised financial adviser.

Market I	Focus
----------	-------



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: Dennis Lam 13th Floor One Island East, 18 Westlands Road, Quarry Bay, Hong Kong Tel: 852 3668 4181 Fax: 852 2521 1812 e-mail: dbsvhk@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

SINGAPORE DBS Bank Ltd

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

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