Weekly Trader

Upcoming Market Opportunities and Events

Monday, 19th August 2019

Key Themes This Week

The Week Ahead

Another volatile week in markets as investor position themselves ahead of several important upcoming events. The S&P had two down days and three up days last week, however, the index finished 1% lower. Europe delivered similar price action with the STOXX 600 Index finishing 0.53% down on the week. Bond markets continue to garner headlines, as the US yield inverted across the 2- and 10-year tenors last week. This week sees trade developments likely continue to dominate sentiment, while global central bankers meet at the Jackson Hole Symposium. Meanwhile European economic data continues to weaken amid political uncertainty across the region.

Last week saw trade dominate the headlines as President Trump delayed tariffs on a range of consumer goods to the 15^m of December. A move which was interpreted as the US "blinking" first. China retaliated by halting the import of US agricultural products and proposing an "unreliable entities" list, which could blacklist foreign companies operating in China. The outlook for the US economy continues to weaken under the cloud of trade, with the manufacturing sector slowing and corporate earnings having entered an earnings recession in Q2. The US consumer remains strong at present and should be enough to stave off a recession for now. The bond market has sent one of its strongest signals of a recession as the spread between the 2-year yield and 10-year yield inverted. The spread went negative twice last week but did not close below zero. The US yield curve has inverted ahead of every recession over the past 50 years leading to market participants expecting a US recession in late 2020.

Curve inversions and negative rates will likely top the agenda this week at Jackson Hole. This annual symposium sees global central bankers meet to discuss the outlook for the global economy and evaluate monetary policy. Chairman Powell will be looking to manage the markets expectation on rate policy, ahead of September's FOMC meeting after his "mid cycle adjustment" in July. ECB President Mario Draghi will likely be pushing a different message. The ECB has committed to doing "what's necessary" to achieve its price and inflation targets but has also pushed for governments to utilise fiscal stimulus as monetary policy becomes less effective. As the global stock of negative yielding debt continues to grow, the effectiveness of negative debt and its long-term impact on financing decisions will likely be discussed.

European politics will return to the fore this week. Italy has scheduled a confidence vote in its government for Tuesday. The vote was called by the Government's junior coalition partner, the League, as Matteo Salvini looks to capitalise on his party's success in the recent European elections. Meanwhile, a leaked UK government study on the impacts of a "no-deal" exit may weaken PM Johnson's position ahead of meetings with Angela Merkel and Emmanuel Macron this week. The outlook for the European economy continues to struggle due to both the rate environment, political uncertainty and global trade. Comments last week from German Finance Minister, Olaf Scholz, offer a glimmer of positivity as German fiscal spending could stimulate domestic demand in German. A move which should benefit the entire region.

On the data front we have several important readings. Core inflation on Monday and construction output on Tuesday form the Eurozone. Meeting minutes from the Federal Reserve's July meeting are to be published on Wednesday, giving more context to the committee's thoughts on the "mid cycle adjustment". Finally, Flash manufacturing PMI's are expected on Thursday. Flash PMI's will guide the market if the manufacturing sector continues to suffer in the current environment. As Q2 earnings comes to an end, we have some Irish heavy weights reporting this week, including **CRH** and **Kingspan**. After strong results from Walmart on Friday in the US, we will see a selection of other US retailers out this week.

This week we cover off Irish Banks, Ryanair and Defensive Allocations

Major Markets Last Week

	Value	Change	% Move
Dow	25886	-401.43	-1.53%
S&P	2889	-29.97	-1.03%
Nasdaq	7896	-63.15	-0.79%
	45007	477.00	4 400/
MSCI UK	15697	-177.63	-1.12%
DAX	11649	-30.70	-0.26%
ISEQ	5814	-28.34	-0.49%
Nikkei	20563	-121.66	-0.59%
H.Seng	26292	467.12	1.81%
STOXX600	372	1.54	0.42%
Brent Oil	59.23	0.66	1.13%
Crude Oil	55.41	0.48	0.87%
Gold	1501	-9.87	-0.65%
Silver	16.9442	-0.12	-0.71%
Copper	261.8	3.30	1.28%
CRB Index	398.23	-2.58	-0.64%
			/
Euro/USD	1.1104	-0.01	-0.98%
Euro/GBP	0.9158	-0.01	-1.38%
GBP/USD	1.2126	0.01	0.41%
		Value	Change
German 10 Year		-0.642	-0.05
UK 10 Year		0.505	0.02
US 10 Year		1.6148	-0.03
Irish 10 Year		-0.07	-0.07
Spain 10 Year		0.13	-0.10
Italy 10 Year		1.474	-0.23
BoE		0.75	0.00
ECB		0.00	0.00
Fed		2.25	0.00
All data sourced from Bl	oomberg		



Opportunities this week

CFI Research Team

Irish Banks



Total Return	1 Mth	3 Mth	YTD
Bank of Ireland	-22.8%	-37.8%	-28.9%

Source: All data & charts from Bloomberg & CFI

Ryanair



Key Metrics	2019e	2020e	2021e	
Revenue (€'Mn)	8369.2	8832.2	9655.8	
EPS (€)	0.73	0.96	1.11	
Price/ Earnings	11.75x	8.93x	7.68x	
Div Yield	0.80%	0.83%	1.35%	
Source: All data & charts from Bloomberg & CFI				
Total Return	1 Mth	3 Mth	YTD	
Ryanair	-11.6%	-18.3%	-26.2%	

Source: All data & charts from Bloomberg & CFI

The primary driver of recent weakness across the sector is due to European yields. A change in policy stance from Global central banks has seen sovereign yields collapse.

German 10 year yield is trading at -70bps from 25bps at year end.

The impact of this change in policy stance is two fold

- Increasing monitory stimulus by either rate cuts and increased asset purchases by the ECB will have a direct impact on yields. Resulting in lower future income from both investment securities and lower customer margins.
- Secondly, the market's interpreting these moves as measures to combat an impending recession. An economic slowdown would likely see default rates increase and credit demand contract. Both of which negatively impact profitability.

Brexit remains the second risk looming over the Irish banking sector, with a "no deal" having a significant negative impact across both balance sheet health and profitability.

- Given the recent move and economic backdrop we see more weakness as yields move lower. We will be looking to the upcoming meeting of central banker and the ECB's governing council meeting in September.
- We see the recent move as overly severe but continue to see risk to the downside as yields move lower and Brexit risk increases.
- Key events we will be look for the sector to move higher include ECB measures to cushion the impact of negative rates and fiscal spending by European governments to stimulate growth across the region.

Closing Price: €8.56

Having began 2019 on a positive note, with expectations of rising fares, easing trade union disputes and the arrival of the new Boeing 737 MAX's, potential tailwinds have now turned to headwinds.

- The difficult fare environment has come through to 2020. Despite the lowest level of sector capacity growth in several years, demand has faltered. This has been driven by the slowing European economy and Brexit. Meanwhile, a fare war continues in a number of routes (notably Germany). Average fares fell by 6% in Q1.
- Trade union industrial action has returned with Irish pilots, UK pilots, Spanish cabin crew and Portuguese cabin crew set to strike over the coming month.
- The "gamechanger" MAX aircrafts are still awaiting approval. This has led management to cut FY21 summer growth guidance from 7% to 3%. With the risk that this will be cut again.

We have guided that we expect further weakness over the short term for the past few months (Q1, FY19). Unfortunately we expect this to continue given the aforementioned headwinds.

- As the share price tracks earnings expectations, we expect the stock to continue to trade toward the €8 level. We are reducing our 12m price target taking into negative fare growth (-3% expected) and a lower multiple (EV/EBITDAR 8x) to bring the price to €10.80 (remains Outperform). Given the significant correlation of ST earnings growth and the share price, should earnings growth accelerate as we move into FY21 this price target will be raised.
- Long term Ryanair remains the structural winner with the European airline space. It possesses a strong balance sheet, the leading low cost structure and cash flow generative.

Opportunities this week

CFI Research Team

Defensive Allocations

Over the course of the last four months, our Core Portfolio has made a number of changes to lower the portfolio Beta toward 0.9 and to improve the defensiveness of the portfolios earnings profile as the risks of a recession rise. The main changes and the rationale are listed below:

Healthcare:

We accumulated a position in Sanofi, the global leader in healthcare generating €35bn in revenue across 170 countries. Sanofi is diversified across Generics, Vaccines, Primary Care (Diabetes drugs) and Specialty Care (Rare blood diseases etc).

A number of bolt on acquisitions, new management from Novartis and drug launches should support the growth outlook in short term

Management raised full year guidance at the interim results and core drug Dupixent reported very strong sales growth Trades on c.13x earnings and offers a dividend yield of c.4.2%

The Core Fund has an allocation to Pfizer and United Heath Group, which cumulatively makes healthcare an overweight position.

Utilities:

We have raised our allocation in utilities from 0% to 9% - a significant overweight of the sector by focusing on utilities who are expected to grow via renewables.

Initially we added a 5% allocation to Greencoat Renewables, the Irish listed wind powered utility, for the following key reasons: Government backed cash flows and relatively fixed cost base makes its 5.5% dividend yield sustainable EU's commitment to reducing greenhouse gases would imply further incentives in renewables likely Balance sheet strength would imply well positioned to make bolt on acquisitions

We then added a further 4% allocation to French listed utility, Engie, on the basis that: It is one of the largest utility companies in Europe that offers a dividend yield of 5.8% Recent capital markets day detailed plans to grow net income by between 7% & 9% Trades at a discount to its historical average and other European peers

Gold

We showed a preference for gold within the commodity space having sold out of Rio Tinto and added a 5% position to Newmont Goldcorp

Newmont Goldcorp is the worlds largest gold mining company by production with \$8bn in revenue and \$2.2bn in EBITDA Over 90% of Newmont's reserves are in the perceived political stable geographies of Australia and Americas Gold has been a safe haven historically, outperforming during times of political uncertainty and equity sell offs Newmont Goldcorp has returned cost savings to shareholders via special dividends

Portfolio Sales

We reduced our Ireland/UK exposure ahead of Brexit risk. We sold Lloyds, Bank of Ireland, Dalata Hotel Group and Kingspan at higher levels.

We reduced our allocation to CRH, Smurfit Kappa and Ryanair

We reduced our exposure to the US/China trade war by selling Rio Tinto, Caterpillar and the JPM Emerging market trust

Cantor Core Portfolio - In Detail

Date:

Cantor Core Portfolio	
Performance YTD	%
Portfolio	12.3%
Benchmark	16.0%
Relative Performance	-3.7%
P/E Ratio	16.82x
Dividend Yield	3.2%
ESMA Rating	6
Beta	0.93

16/08/2019					
Sectors Weights	Portfolio	Benchmark	+/-		
Consumer Discretionary	6%	9%			
Consumer Staples	11%	11%			
Energy	8%	6%			
Financials	8%	17%			
Health Care	15%	14%			
Industrials	12%	12%			
Information Technology	13%	11%			
Communication Services	7%	7%			
Utilities	9%	4%			
Materials	11%	6%			
Real Estate	0%	2%			

CANTOR Fitzgerald

FX	Portfolio	Benchmark
EUR	52%	37%
GBP	9%	15%
USD	39%	40%
Other	0%	8%

(Currency YTD %
GBP	-1.40%
USD	3.34%
030	3.34%

Weighted Average Contribution

Benchmark

Benchmark							Weighted	Average Cor	ntribution
Index	Currency	PE	Outlook	Weighting	Total Return Local	Weekly Return	Price	Total (Contribution
STOXX Europe 600	EUR	18	Neutral	60%	12.9%	-0.4%	370	7.8%	
S&P 500	USD	19	Neutral	40%	16.7%	-0.9%	2889	8.2%	
Total				100%					15.97%

Core Portfolio

Stock	Currency	Yield*	Hold /Sold	Sector	Weighting	Total Return Local	Weekly Return	Price	Total C	contribution
Alphabet Inc*	USD	0.0%	н	Communication Services	2%	12.8%	-0.8%	1179	0.5%	
Verizon Communications Inc	USD	0.0%	н	Communication Services	5%	4.0%	1.6%	56.7	0.4%	
Ryanair Holdings Plc*	EUR	0.8%	н	Consumer Discretionary	4%	-20.4%	-5.4%	8.56	-0.8%	
Dalata Hotel Group Plc*	EUR	2.5%	S	Consumer Discretionary	0%	-6.0%	-6.4%	4.4	0.8%	
Amazon.Com Inc*	USD	0.0%	н	Consumer Discretionary	2%	19.3%	-0.8%	1793	1.0%	
Glanbia Plc*	EUR	2.4%	н	Consumer Staples	4%	-33.6%	-7.8%	10.81	-1.3%	
Walgreens Boots Alliance Inc	USD	3.5%	S	Consumer Staples	0%	-25.0%	-4.4%	50.48	-1.0%	
Coca Cola Co	USD	3.0%	н	Consumer Staples	2%	16.8%	1.9%	54.41	0.8%	
Danone	EUR	2.6%	н	Consumer Staples	5%	33.8%	3.1%	80.1	1.0%	
Royal Dutch Shell Plc	GBp	6.8%	н	Energy	5%	1.4%	-1.5%	22.66	0.0%	
Total Sa	EUR	6.1%	н	Energy	3%	-4.0%	-0.6%	0.43	-0.4%	
Lloyds Banking Group Plc*	GBp	6.8%	S	Financials	0%	1.3%	0.3%	0.50	0.8%	
Allianz Se	EUR	4.8%	н	Financials	4%	18.6%	-0.2%	198.64	0.7%	
AIB Group Plc	EUR	7.3%	н	Financials	4%	-29.0%	-7.2%	2.50	-1.2%	
Sanofi	EUR	4.2%	н	Health Care	5%	4.6%	3.0%	75.99	0.1%	
Unitedhealth Group Inc	USD	1.7%	н	Health Care	5%	-0.6%	-1.2%	245.69	0.1%	
Pfizer Inc	USD	4.1%	н	Health Care	5%	-18.5%	-4.7%	34.65	-0.8%	
Vinci Sa*	EUR	3.1%	н	Industrials	4%	35.5%	1.6%	95.48	1.5%	
Kingspan Group Plc*	EUR	1.1%	S	Industrials	0%	13.8%	-2.5%	42.24	0.9%	
DCC Plc	GBp	2.2%	н	Industrials	4%	11.2%	1.0%	65.66	0.4%	
Fedex Corp	USD	1.7%	Н	Industrials	4%	-2.6%	-3.8%	1.56	-0.4%	
Caterpillar Inc*	USD	3.2%	S	Industrials	0%	-6.5%	-2.5%	116.43	0.2%	
SAP Se*	EUR	1.4%	н	Information Technology	4%	25.0%	1.2%	107.3	1.0%	
Paypal Holdings Inc	USD	0.0%	н	Information Technology	4%	26.2%	1.3%	106.16	1.2%	
Microsoft Corp*	USD	1.5%	Н	Information Technology	5%	35.6%	-0.8%	136.13	1.8%	
Smurfit Kappa Group Plc*	EUR	3.9%	н	Materials	3%	18.2%	1.1%	26.74	1.3%	
CRH PIc*	EUR	2.6%	н	Materials	3%	27.5%	1.9%	28.91	1.4%	
Rio Tinto Plc	GBp	9.1%	S	Materials	0%	20.5%	-1.3%	40.05	1.0%	
Newmont Goldcorp Corp	USD	1.5%	Н	Materials	5%	15.1%	-1.2%	38.58	1.1%	
Engie	EUR	5.8%	н	Utilities	5%	13.8%	1.4%	13.47	-0.2%	
Greencoat Renewables Plc	EUR	5.4%	н	Utilities	4%	12.8%	-1.3%	1.12	0.1%	
JPMorgan Emerging Markets Trust	GBp	1.3%	S	Emerging Markets	0%	17.6%	-1.8%	10.00	0.2%	
Total					100%					12.28%

Warning : Past performance is not a reliable guide to future performance

*Red Denotes Deletions *Green Denotes Additions

All

Warning : The value of your investment may go down as well as up.

 $_{\mathbf{4}}$ *Yields are based on the mean of analyst forcast

From the News - Monday's Headlines

- Global Investors position for fresh wave of economic stimulus
- US US reveals seizure warrant for Iranian tanker
- Europe Spain offers to take refugee boat turned away by Italy
- UK Corbyn will do "everything necessary" to stop no-deal
- Ireland US giant Hershey takes stake in Irish protein snacks group Fulfil

This Weeks Market Events

Monday	Tuesday	Wednesday	Thursday	Friday
Corporate	Corporate	Corporate	Corporate	Corporate
Estee lauder	Persimmon Hostelworld Group Kenmare Resources Kohls Group Home Depot	Mowi Nordstrom Target Corp	CRH HP salesforce.com	Glenveagh Properties Kingspan Group Salmar
Economic	Economic	Economic	Economic	Economic
JP Trade Data EA Core Inflation	DE PPI EA Construction Output	CA Inflation Data US Existing Home Sales US FOMC Minutes	EA/DE/FR Flash Manufacturing PMI US Flash Manufacturing PMI EA Consumer Confidence Flash	JP Inflation Data US New Home Sales

Upcoming Events

26/08/2019 n/a	26/08/2019 DE Ifo Business Climate, US Dur Goods Orders
27/08/2019 n/a	27/08/2019 DE Q2 Final GDP, US Richmond Fed Manuf PMI
28/08/2019 n/a	28/08/2019 DE GfK Consumer Confidence, EA Loan Growth
29/08/2019 Pernod Ricard, Hays, Best Buy, Bouygues	29/08/2019 FR Q2 Final GDP, EA Confidence Data, DE Infla-
30/08/2019 Total produce, Irish Continental Group	tion Data, US Q2 GDP 2nd Est,
	30/08/2019 DE Retail Sales, EA Core Inflation, IT Q2 Final GDP, US PCE Price Index, US Chicago PMI

All data sourced from Bloomberg

Cantor Publications & Resources

Daily		CANTUR Julgerald
		Bendag 20 ⁴ reducery 20
Contents	Market Vie	
Refer Nov. Pastin 13 automat Minung Drugt to Cargo the rennig Smartt Rappic logan permanitientity dis better strenge dis better strenge dis	Se US sealor yes - Yoseneg, US BM IM - Us name a log og De nahet som pro-	Revelations grave in al FET is, BET appoint which gate the markets all sea on High Teamong gates over the part I wanter, very severally at 1,46%, or give west Talays when his by Dank 170 or 18, BET Teamours and relations to be part to advance of Teamours
Balas (11) samp- docs softwal resolute	Breadle Eagura - (Duljaerlane) Persident Oliver	In texpected at 100x • Ynsheing, Small legge its primary bring on the Landau II Contemp CAC services, charging in Caroling to Berling on Data Service at the service of the Service and the Service
stah Papers Today	qu	 Ye from the unit a university to be a solution doesn't to shared unit from the best and separat the docard to reduce new coming matter which around be suggestive of Structure share price
ECE shat Name Drophy of the act after your connectors data (The Mast Traves)		Construct: Brown Network's Act Proce results on the 10th (Astronomy, when inclusion 4 or one parative and of results). This have stress times in transmit 3VIs granties, scatting in the stress time and the transmitteness of the Privile sector is Ada, Viscoutili Both Bottle is significant to reduce parative distance and when all its and a stress times are significant to reduce parative distance.
Claire seriegie his Indeel us marakshing pers sites (The bish belops den)		prod all leader all a TV- descert is in our holes: 3 year arrange 10 in the descert descer constraint arrange prod in the FFH (0). Invasid RPI pants repeated due to a dieg in receptored during lead from two argunders and upper constraints in all this is TVII forgeted upper and arrange to the two and the second area.
Dation is second loss performing hole inculsed in furnipe (File Black Energy)		Brokent tools offering is york or 5.8% to PTVD, weakled to 16 in imposative cash preserving ability, with a Press Cash Plane (PCP) your P.36.
Hereafored Papers Today	Dalara - Stat Rasadj Nacibas Obse 63.17	 Inder group Debits releases fol pair 2015 sentings fits more shoring contrast convertion UPI rule shoring in 0.205, annual of conversion for OLEX, of more and one into interact COSm.
Longoon stadio kin Malani rana Changai Longo		 Neroperant and un solution that Failing is the line has mentioned has been stronger than expected in helicity and is the with expected in the UK, noting Deriving an exception.
Ex-Oranagenter (20) NeCondex nedetat an anti-rescultangen (Mail Wood Jacona) RestReich control		Converse Million in section and converse on Energies is signify regard on one these matchs are select ment. Here measurements and the measurement with the section of the section of the temporary in the temporary preserve is an exercise of the measurement with the temporary for deep are not an interest. But here converse with an interest and the deep are not an interest. But here converse and at the deep are section of the section of temporary section.
Beatrus vanor angen d'Exot d'Inensia Tresse		On orders, strengenets said that property is football and regu- laters at the treas way strary who noting that latering variances in tions a sequence trayer or later transform annual time the Gengli- holds at 20% interesting Despite time I and that the operate for an appendicular reveals are obviour and expert in Ado around result 10 Min m 20%.
and constitution		Date (chy) is estimate budyer

Daily Note

Each day we produce a market commentary outlining critical economic and company developments. We leverage off our global network of analysts and investment professionals to provide clients with critical insights from our local teams first thing in the morning.

Click Here



Investment Forum

Through our investment Forum we bring you the latest market news, investment insights and a series of informative articles from our experts.

Click Here

Regulatory Information

Issuer Descriptions: (Source: Bloomberg)

AIB Group: AIB Group plc attracts deposits and offers commercial banking services.

Allianz: Allianz through its subsidiaries, provides insurance and financial services.

Alphabet: Alphabet provides web-based search, advertisement, maps, software applications, mobile operating systems, consumer content and other software services.

Amazon: Amazon is an online retailer that offers a wide range of products.

Caterpillar Inc.: Caterpillar designs, manufactures, and markets construction, mining, and forestry machinery.

CRH: CRH is a global building materials group.

Dalata Hotel Group: Dalata Hotel Group owns and operates as a chain of hotels.

DCC: DCC is a sales, marketing, distribution and business support services company.

Glanbia: Glanbia plc is an international dairy, consumer foods, and nutritional products company. The Company conducts operations primarily in Ireland, the United Kingdom, and the United States

Kingspan: Kingspan is a global market player in high performance insulation and building envelope technologies.

Microsoft: Microsoft Corporation develops, manufactures, licenses, sells, and supports software products.

PayPal: PayPal operates a technology platform that enables digital and mobile payments on behalf of customers and merchants

Pfizer: Pfizer Inc. operates as a pharmaceutical company. The Company offers medicines, vaccines, medical devices, and consumer healthcare products for oncology, inflammation, cardiovascular, and other therapeutic areas

Rio Tinto plc: Rio Tinto is an international mining company.

Royal Dutch Shell: Royal Dutch Shell explores, produces, and refines petroleum

Ryanair: Ryanair Holdings plc provides low fare passenger airline services to destinations in Europe.

SAP: SAP is a software corporation that makes enterprise software

Smurfit Kappa: Smurfit Kappa manufactures paper packaging products

UnitedHealth Group: UnitedHealth owns and manages organized health systems in the United States and internationally

Verizon: Verizon Communications Inc. is an integrated telecommunications company that provides wire line voice and data services, wireless services, internet services, and published directory information.

VINCI SA: VINCI is a global player in concessions and construction with expertise in building, civil, hydraulic, and electrical engineering **Danone:** Danone operates as a food processing company. The Company produces and markets dairy products, beverages, baby food, and medical nutrition products.

Total: TOTAL S.A. explores for, produces, refines, transports, and markets oil and natural gas. The Company also operates a chemical division which produces polypropylene, polyethylene, polystyrene, rubber, paint, ink, adhesives, and resins.

Newmont Goldcorp: Newmont acquires, explores, and develops mineral properties.

Greencoat Renewables: Greencoat operates as an investment company. The Company invests in wind and renewable electricity generation assets. Sanofi: Sanofi operates as a pharmaceutical company. The Company manufactures prescription pharmaceuticals and vaccines. Sanofi also develops cardiovascular, thrombosis, metabolic disorder, central nervous system, and oncology medicines and drugs.

Engie: Engie is a global energy and services utility company

FedEx: FedEx delivers packages and freight to multiple countries and territories through an integrated global network

Philip Morris International: Philip Morris operates through its subsidiaries, licensees, produces, sells, distributes, and markets a wide range of branded cigarettes and tobacco products.

GVC: GVC Holdings is an e-gaming operator in both B2C and B2B markets. The company's line of business includes the provision of internet gaming, sports betting, casino, poker and bingo services.

None of the above recommendations have been disclosed to the relevant issuer prior to dissemination of this Research.

Bank of Ireland Group: We have an outperform rating on Bank of Ireland as of 04/07/2018

AIB Group: AIB Group is a member of our core portfolio and we have an Outperform rating on the stock since 12/12/2018 **Ryanair:** Ryanair was added to the Core Portfolio at inception in and have had an Outperform recommendation since then



Dublin: 75 St. Stephen's Green, Dublin 2. Tel: +353 1 633 3633. email : ireland@cantor.com web : www.cantorfitzgerald.ie

Regulatory Information

All regulatory disclosures pertaining to valuation methodologies and historical records of the above recommendations can be found on the Cantor Fitzgerald Ireland website here:

http://www.cantorfitzgerald.ie/research_disclosures.php

Cantor Fitzgerald Ireland Limited ("Cantor Ireland") is regulated by the Central Bank of Ireland. Cantor Fitzgerald Ireland Ltd is a member firm of the Irish Stock Exchange and the London Stock Exchange.

This communication has been prepared by and is the sole responsibility of Cantor Fitzgerald Ireland Limited of 75 St Stephens Green, Dublin 2, which is an authorised person for the purposes of the European Communities (Markets in Financial Instruments) Regulations 2007 (as amended) in Ireland or the Financial Services and Markets Act 2000 in the United Kingdom.

This material is approved for distribution in Ireland by Cantor Fitzgerald Ireland Ltd. It is intended for Irish retails clients only and is not intended for distribution to, or use by, any person in any country where such distribution or use would be contrary to local law or regulation. Cantor Fitzgerald Ireland Ltd ("CFIL") is regulated by the Central Bank of Ireland. Cantor Fitzgerald Ireland Ltd is a member firm of the Irish Stock Exchange and the London Stock Exchange.

Where CFIL wishes to make this and other Cantor Fitzgerald research available to Retail clients, such information is provided without liability and in accordance with our terms and conditions that are available on the CFIL website.

No report is intended to and does not constitute a personal recommendations or investment advice nor does it provide the sole basis for any evaluation of the securities that may be the subject matter of the report. Specifically, the information contained in this report should not be taken as an offer or solicitation of investment advice, or to encourage the purchased or sale of any particular security. Not all recommendations are necessarily suitable for all investors and CFIL recommend that specific advice should always be sought prior to investment, based on the particular circumstances of the investor either from your CFIL investment adviser or another investment adviser.

Where CFIL wishes to make this and other Cantor Fitzgerald research available to Retail clients, such information is provided without liability and in accordance with our terms and conditions that are available on the CFIL website.

CFIL takes all responsibility to ensure that reasonable efforts are made to present accurate information but CFIL gives no warranty or guarantee as to, and do not accept responsibility for, the correctness, completeness, timeliness or accuracy of the information provided or its transmission. This is entirely at the risk of the recipient of the report. Nor shall CFIL, its subsidiaries, affiliates or parent company or any of their employees, directors or agents, be liable to for any losses, damages, costs, claims, demands or expenses of any kind whatsoever, whether direct or indirect, suffered or incurred in consequence of any use of, or reliance upon, the information. Any person acting on the information contained in this report does so entirely at his or her own risk.

All estimates, views and opinions included in this research note constitute Cantor Ireland's judgment as of the date of the note but may be subject to change without notice. Changes to assumptions may have a material impact on any recommendations made herein. Unless specifically indicated to the contrary this note has not been disclosed to the covered issuer(s) in advance of publication.

Past performance is not a reliable guide to future performance. The value of your investment may go down as well as up. Investments denominated in foreign currencies are subject to fluctuations in exchange rates, which may have an adverse effect on the value of the investments, sale proceeds, and on dividend or interest income. The income you get from your investment may go down as well as up. Figures quoted are estimates only; they are not a reliable guide to the future performance of this investment.

Conflicts of Interest & Share Ownership Policy

It is noted that research analysts' compensation is impacted upon by overall firm profitability and accordingly may be affected to some extent by revenues arising other Cantor Ireland business units including Fund Management and Stock broking. Revenues in these business units may derive in part from the recommendations or views in this report. Notwithstanding, Cantor Ireland is satisfied that the objectivity of views and recommendations contained in this note has not been compromised. Nonetheless Cantor Ireland is satisfied that the impartiality of research, views and recommendations remains assured.

Our conflicts of interest management policy is available at the following link; https://cantorfitzgerald.ie/client-services/mifid/_



Dublin: 75 St. Stephen's Green, Dublin 2. Tel: +353 1 633 3633. email : <u>ireland@cantor.com</u> web : <u>www.cantorfitzgerald.ie</u>