

Screening Series | Strategy | 12<sup>th</sup> September 2011

# Playing the scare market

Macro headwinds have resulted in lower risk appetite amongst investors globally, driving falls in equity markets across the world. Whilst India is deemed a "high risk" market, that risk varies enormously across stocks. During times of uncertainty and high volatility companies with high dividend yield and high earnings certainty should represent better investment opportunities. We identify companies based on these characteristics that we think would likely outperform assuming volatile market conditions continue.

# **Riding the wave of uncertainty**

Given the current volatility in markets we've run screens to identify companies with high earnings certainty and high dividend yields, given that historically during periods of risk aversion a total return approach has tended to work better, with high dividend yielding stocks outperforming broader markets as investors adapt to lower growth by shifting portfolios towards dividend payouts rather than capital appreciation. Furthermore to reduce the risk of picking stocks that are highly exposed to the economic cycle, as well as investor risk appetite, we exclude companies with a "bear market beta" greater than 1. We have excluded financial stocks from our screen. Figure 3 on p.2 highlights 22 stocks that met our screening criteria for investing in uncertain times.

## **Screening parameters**

**Dividend yield:** We screen companies with a dividend yield of more than 1.5%. Globally growth is falling and a higher proportion of returns are likely to be through dividends rather than capital appreciation. The shift in portfolios towards high dividend paying stocks is likely even in India, which has historically been known more as a growth rather than yield destination.

**Earnings certainty:** Economic volatility brings uncertainty in the "E" of the widely followed P/E. We screen for companies that have "high earnings certainty"; this means we select companies which have high earnings quality, low dispersion in analyst forecasts and low historical volatility of EPS growth. Only companies with an earnings certainty score of more than 10 are taken into consideration.

**Bear market beta:** The screen excludes companies with a "bear market beta" of greater than 1 – based on the beta of the stock with the Sensex during the global financial crisis.

**Gearing:** The continued hawkish stance of the RBI has led interest rates to reach peak levels and investors shying away from companies with higher leverage; we thereby select companies with Net Debt to Equity of less than 1.

**Value:** To filter companies with high ROE as well as trading at relatively better multiples we use the factor of ROE/PB and have considered only those companies with ROE/PB ratio greater than 3.

**Market capitalization & Liquidity:** In uncertain times size and liquidity start to matter more. We therefore only consider companies with a market capitalisation above US\$500m, and average daily turnover above US\$1m.

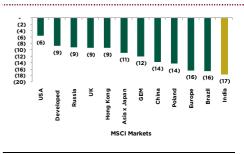
**Active coverage:** Given the link to liquidity and impact on reliability of earnings expectations, we've only considered stocks that have active coverage of more than 5 analysts.

**Global exposure:** We also flag global exposure of the screened companies. Many investors currently want to avoid India stocks that have material exposure to global economic volatility, given how hard it is to predict what happens in Europe and the US. These stocks are not excluded, but we have highlighted exposure so clients can exclude from the screen if they choose. Do see our recent note on global exposure of India companies (click here).



# Incorporating Execution Noble

Fig 1 India tops the chart once again



Source: FactSet, Espirito Santo Securities

# Fig 2 Valuation below long term average



Source: FactSet, Espirito Santo Securities

#### Table 3: Shortlisted companies

,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Ambuja Cements	Infosys
Ashok Leyland	ITC
Bajaj Auto	Motherson Sumi
Castrol India	NTPC
Colgate-Palmolive	ONGC
Coromandel Int	Opto Circuits
Cummins India	Sun TV Network
GAIL	TCS
HCL Technologies	Thermax
Hero MotoCorp	Wipro
Hindustan Unilever	Zee Entertainment

Source: Espirito Santo Securities

#### Analysts

Aditya Jhawar +91 (0) 22 4315 6819 aditya.jhawar@execution-noble.com

Nick Paulson-Ellis +91 (0) 22 4315 6814 nick.paulson-ellis@execution-noble.com

Nitesh Sharma +91 (0) 22 4315 6820 nitesh.sharma@execution-noble.com

#### Sales

Ashish Goenka +44 203 429 2012 ashish.goenka@execution-noble.com

Poorva Upadhyaya +1 212 351 6056 pupadhyaya@esinvestment.com

Arijay Prasad +91 22 4211 0935 arijay.prasad@execution-noble.com

Sunny Shah +91 22 42110902 sunny.shah@execution-noble.com

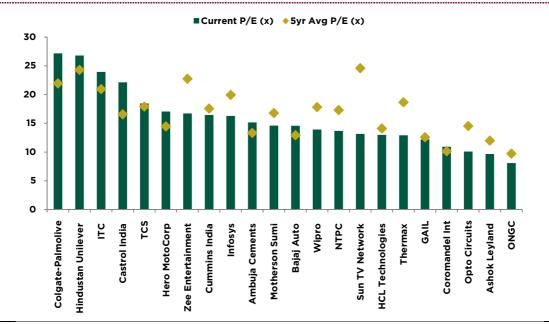
FIT FOR A NEW ERA\_

#### Figure 4 Espirito Santo's screen for investing in companies with high yield and high earnings conviction

		Mkt Cap	Yield	Earnings	Gearing	Forward	Market	Global	Earnings	ROE	fwd	12M fwd
Company	Sector	(US\$ m)	(%)	Certanity	(%)	ROE/PB	Beta		growth (%) FY1	(%)	P/E	P/B
Ambuja Cements	Materials	4,613	2.0	11.7	(23)	6.7	0.93	2%	2.5	16	15.8	2.5
Ashok Leyland	Industrials	1,489	3.9	11.1	58	9.1	0.95	0%	0.2	17	10.0	1.7
Bajaj Auto	Consumer Discretionary	10,312	2.5	14.7	(5)	11.0	0.99	27%	13.9	51	15.2	6.5
Castrol India	Materials	2,724	3.3	40.8	(112)	5.0	0.60	13%	11.0	81	21.8	16.9
Colgate-Palmolive	Consumer Staples	2,949	2.5	19.7	(103)	3.5	0.37	1%	11.1	106	28.4	26.2
Coromandel International	Materials	1,792	2.6	11.9	14	10.4	0.83	0%	19.2	33	10.3	2.9
Cummins India	Industrials	2,561	2.6	28.8	(5)	5.8	0.72	25%	9.0	33	16.8	5.0
GAIL India	Utilities	11,748	2.1	16.5	20	8.0	0.81	0%	13.6	19	12.6	2.2
HCL Technologies	Information Technology	5,898	1.8	22.6	6	7.5	1.00	98%	26.5	23	12.5	2.7
Hero MotoCorp	Consumer Discretionary	9,387	3.0	24.5	(1)	4.8	0.65	2%	12.4	65	18.0	10.1
Hindustan Unilever	Consumer Staples	14,992	2.4	34.2	(66)	3.4	0.60	8%	13.8	82	26.6	19.9
Infosys	Information Technology	28,683	1.8	31.6	(62)	6.0	0.73	97%	12.7	26	16.0	3.8
ITC	Consumer Staples	34,045	2.0	34.8	(14)	3.6	0.69	7%	21.6	35	24.1	7.8
Motherson Sumi Systems	Consumer Discretionary	1,729	1.7	16.0	56	5.8	0.71	2%	16.4	27	15.8	3.9
NTPC	Utilities	29,076	2.6	16.7	48	7.5	0.75	0%	6.1	14	13.1	1.7
ONGC	Energy	48,418	3.9	13.4	(19)	11.4	0.76	14%	21.1	22	8.0	1.6
Opto Circuits	Health Care	1,041	1.7	11.3	47	9.7	0.93	95%	39.4	29	9.8	2.5
Sun TV Network	Consumer Discretionary	2,570	3.0	17.2	(27)	8.0	0.72	0%	8.6	33	13.1	3.8
Tata Consultancy Service	s Information Technology	43,761	1.6	45.2	(30)	5.9	0.73	91%	18.6	36	18.3	5.7
Thermax	Industrials	1,284	1.8	17.0	(46)	7.8	0.97	13%	13.3	29	13.0	3.3
Wipro	Information Technology	17,223	1.8	29.3	(24)	8.1	0.99	91%	5.6	22	13.4	2.7
Zee Entertainment	Consumer Discretionary	2,426	1.7	16.0	(12)	5.9	0.91	36%	7.8	17	16.7	2.8

Source: FactSet, Espirito Santo Securities. \* Earnings certainty score is calculated as mean estimates/std deviation in estimates

#### Figure 5 Screened stocks with 12 months forward multiples



Source: FactSet, Espirito Santo Securities

# **Pledge to Pledge shares**

With the market vulnerable and the recent dramatic falls of stocks like S Kumars, Orchid Chemical, GTL, KS Oils, many clients are concerned about companies where promoters have pledged a substantial portion of their stake to financiers. These stocks are prone to panic and also bear rumours. Below we highlight BSE200 companies whose promoters have pledged a substantial portion of their stake. We are not claiming all companies with pledged shares are bad investments; but in current market conditions there is an inherent systematic risk.

#### Table 6 BSE200 companies with promoter holdings being pledged

Company Name	% of promoter holding pledged	% of total shares pledged
Pipavav Defence and Offshore Engineering	100%	45%
United Spirits	88%	25%
Gujarat NRE Coke	84%	38%
India Cements	73%	19%
Unitech	68%	33%
Suzlon Energy	65%	36%
Videocon Industries	64%	46%
Jaiprakash Power Ventures	59%	52%
Apollo Hospitals Enterprise	59%	19%
Adani Power	54%	39%
Bombay Rayon Fashions	51%	22%
Shree Renuka Sugars	50%	19%
Max India	40%	14%
Sintex Industries	38%	13%
Tata Power Company	36%	12%
Aban Offshore	34%	18%
Tata Global Beverages	32%	11%
Indiabulls Real Estate	32%	9%
Pantaloon Retail	30%	13%
NCC	29%	6%
IRB Infrastructure Developers	28%	21%
JSW Steel	28%	11%
Asian Paints	27%	14%
Apollo Tyres	27%	12%
Zee Entertainment Enterprises	27%	11%
Lanco Infratech	26%	18%
Bhushan Steel	25%	17%
Motherson Sumi Systems	24%	16%
GMR Infrastructure	23%	17%
Dish T V India	23%	17%
Manappuram Finance	21%	8%
Aurobindo Pharma	20%	11%
Tata Motors	20%	9%
JSW Energy	20%	15%
Sun T V Network	16%	13%
Essar Oil	16%	10%
Hero MotoCorp	14%	7%



### Table 6 BSE200 companies with promoter holdings being pledged

Chambal Fertilisers & Chemicals	13%	7%
JSW ISPAT Steel	13%	9%
Jain Irrigation Systems	11%	3%
Tata Consultancy Services	11%	8%
CESC	11%	6%
Mcleod Russel India	10%	4%
United Breweries	9%	7%
Mahindra & Mahindra	8%	2%
GVK Power & Infrastructure	7%	4%
Punj Lloyd	5%	2%
Dr Reddy'S Laboratories	5%	2%
Tata Communications	5%	4%
Crompton Greaves	4%	2%
Yes Bank	4%	1%
United Phosphorus	4%	1%
Tata Steel	3%	1%
Godrej Consumer Products	3%	2%
Torrent Power	3%	2%

Source: Ace Equity, Espirito Santo Securities



# **Contact details**

Nick Paulson-Ellis, Country Head, India

t. +91 22 4315 6814 e: nick.paulson-ellis@execution-noble.com

# Sales

Ashish Goenka	t: +44 20 3429 2012;	e: <a href="mailto:ashish.goenka@execution-noble.com">ashish.goenka@execution-noble.com</a>
Poorva Upadhyaya	t: +1 212 351 6056;	e: <u>pupadhyaya@esinvestment.com</u>
Arijay Prasad	t: +91 22 4315 6841;	e: arijay.prasad@execution-noble.com
Sunny Shah	t: +91 22 4315 6842;	e: <a href="mailto:sunny.shah@execution-noble.com">sunny.shah@execution-noble.com</a>

# **Sector leads**

# Banks and financial institutions:

Saikiran Pulavarthi	t +91 22 4315 6824;	e saikiran.pulavarthi@execution-noble.com
Santosh Singh	t +91 22 4315 6822;	e santosh.singh@execution-noble.com
Sri Karthik	t +91 22 4315 6826;	e <u>sri.karthik@execution-noble.com</u>
Nidhesh Jain	t +91 22 4315 6823;	e nidhesh.jain @execution-noble.com
Consumer		
Nitin Mathur	t +91 22 4315 6821;	e nitin.mathur@execution-noble.com
Economy		
Deepali Bhargava	t +91 22 4315 6827;	e: <u>deepali.bhardava@execution-noble.com</u>
Healthcare		
Chirag Talati	t +91 22 4315 6828;	e chirag.talati@ execution-noble.com
Metals and Mining		
Ritesh Shah	t: +91 22 4315 6831;	e: <u>ritesh.shah@execution-noble.com</u>
Power and Infrastructu	re	
Krishnakant Thakur	t: +91 22 4315 6832;	e: <a href="mailto:krime">krishnakant.thakur@execution.noble.com</a>
Pawan Parakh	t: +91 22 4315 6833;	e: pawan.parakh@execution-noble.com
Strategy		
Aditya Jhawar	t +91 22 4315 6819;	e: aditya.jhawar@execution-noble.com
Aditya Jhawar Nitesh Sharma	t +91 22 4315 6819; t +91 22 4315 6820;	e: <u>aditya.jhawar@execution-noble.com</u> e <u>nitesh.sharma@execution-noble.com</u>
-		

1203 A, Tower 2A,	10, Paternoster Square			
One Indiabulls Centre,	London EC4M 7AL			
Elphinstone Road,	U.K			
Mumbai - 400076	t: + 44 20 7246 0180			
t: +91 22 4315 6800	t: + 44 20 7246 0190			
e:research.india@execution-noble.com				

340 Madison Avenue, 12<sup>th</sup> Floor New York NY-10173 U.S.A t: +1 212 351 6000 t: +1 212 351 6099



### **IMPORTANT DISCLOSURES**

This report was prepared by Espírito Santo Investment Bank Research, a global brand name for the equity research teams of Banco Espírito Santo de Investimento, S.A., with headquarter in Lisbon, Portugal, of its Branches in Spain and Poland and of its affiliates BES Securities do Brasil, S.A – Corretora de Câmbio e Valores Mobiliários, in Brazil, and Execution Noble Limited, in the United Kingdom, all authorized to engage in securities according to each domestic legislation. All of these entities are included within the perimeter of the Financial Group controlled by Espírito Santo Financial Group S.A. ("Banco Espírito Santo Group").

### Analyst Certification

Each research analyst primarily responsible for the content of this research report, in whole or in part, certifies that with respect to each security or issuer that the analyst covered in this report: (1) all of the views expressed accurately reflect his or her personal views about those securities or issuers; the issuers were not previously informed about the content of the recommendation included in this research report and the assumptions were not validated by the issuers; (2) no part of his or her compensation is directly or indirectly related to: (a) the specific recommendations or views expressed by that research analyst in the research report; and/or (b) any services provided or to be provided by Banco Espírito Santo de Investimento, S.A. and/or by any of its affiliates to the issuer of the securities under recommendation. Moreover, each of the analysts hereby certifies that he or she has no economic or financial interest whatsoever in the companies subject to his or her opinion and does not own or trade any securities issued by the latter.

### Explanation of Rating System

12-MONTH RATING	DEFINITION
BUY	Analyst expects at least 10% upside potential to fair value, which should be realized in the next 12 months
NEUTRAL	Analyst expects upside/downside potential of between +10% and -10% to fair value, which should be realized in the next 12 months.
SELL	Analyst expects at least 10% downside potential to fair value, which should be realized in the next 12 months
SHORT TERM RATING	DEFINITION
ST POSITIVE	Analyst expects the stock price to appreciate in value within 3 months of the rating assignation because of a specifically identified catalyst(s) or event(s)
ST NEGATIVE	Analyst expects the stock price to decline in value within 3 months of the rating assignation because of a specifically identified catalyst(s) or event(s)

For further information please see "Definitions and distribution of ratings" on: http://www.espiritosantoib-research.com.

### **Ratings Distribution**

Espirito Santo Investment Bank Research hereby provides the distribution of the equity research ratings in relation to the total Issuers covered and to the investment banking clients as of 30 June 2011.

As at end June 2011	Total ESIE	Research	Total Investment Banking Clients (IBC)		(IBC)
Recommendation	Count	% of Total	Count	% of IBC	% of Total
BUY	203	53,6%	29	72,5%	7,7%
NEUTRAL	109	28,8%	11	27,5%	2,9%
SELL	67	17,7%	0	0,0%	0,0%
TOTAL	379	100%	40	100%	
As at end June 2011	Total ESI	<u> 8 Research</u>	Tota	I Investment Banking Clients	(IBC)
Recommendation	Count	% of Total	Count	% of IBC	% of Total
SHORT TERM POSITIVE	0	0%	0	0%	0%
SHORT TERM NEGATIVE	0	0%	0	0%	0%
TOTAL	0	0%	0	0%	

### Share Prices

Share prices are as at the close of business on the day preceding publication, unless otherwise specified.

#### **Coverage Policy**

Espírito Santo Investment Bank Research reserves the right to choose the securities it expresses opinions on. The main criteria to choose such securities are: 1) markets in which they trade 2) market capitalisation 3) liquidity, 4) sector suitability. Espírito Santo Investment Bank Research has no specific policy regarding the frequency in which opinions and investment recommendations are released.

#### **Representation to Investors**

Espírito Santo Investment Bank Research has issued this report for information purposes only. This material constitutes "investment research" for the purposes of the Markets in Financial Instruments Directive and as such contains an objective or independent explanation of the matters contained in the material.

Any recommendations contained in this document must not be relied upon as investment advice based on the recipient's personal circumstances. This report is not, and should not be construed as an offer or a solicitation to buy or sell any securities or related financial instruments. The investment discussed or recommended in this report may be unsuitable for investors depending on their specific investment objectives and financial position. The material in this research report is general information intended for recipients who understand the risks associated with investment. It does not take account of whether an investment, course of action, or associated risks are suitable for the recipient. This research report does not purport to be comprehensive or to contain all the information on which a prospective investor may need in order to make an investment decision and the recipient of this report must make its own independent assessment and decisions regarding any securities or financial instruments mentioned herein. In the event that further clarification is required on the words or phrases used in this material, the recipient is strongly recommended to seek independent legal or financial advice. Where an investment is denominated in a currency other than the investor's currency, changes in rates of exchange may have an adverse effect on the value, price of, or income derived from the investment. Past performance is not necessarily a guide to future performance. Income from investments may fluctuate. The price or value of the investments to which this report relates, either directly or indirectly, may fall or rise against the interest of investors. Any recommendation and opinion contained in this report may become outdated as a consequence of changes in the environment in which the issuer of the securities under analysis operates, in addition to changes in the estimates and forecasts, assumptions and valuation methodology used herein. The securities mentioned in this publication may not be eligible for sale in some states or countries.

All the information contained herein is based upon information available to the public and has been obtained from sources believed to be reliable. However, Espírito Santo Investment Bank Research does not guarantee the accuracy or completeness of the information contained in this report. The opinions expressed herein are Espírito Santo Investment Bank Research present opinions only, and are subject to change without prior notice. Espírito Santo Investment Bank Research is not under any obligation to update or keep current the information and the opinions expressed herein nor to provide the recipient with access to any additional information.

Espírito Santo Investment Bank Research has not entered into any agreement with the issuer relating to production of this report. Espírito Santo Investment Bank Research does not accept any form of liability for losses or damages which may arise from the use of this report or its contents.

### **Ownership and Material Conflicts of Interest**

Banco Espírito Santo de Investimento, S.A. and/or its Affiliates (including all entities within Espírito Santo Investment Bank Research) and/or their directors, officers and employees, may have, or have had, interests or qualified holdings on issuers mentioned in this report. Banco Espírito Santo de Investimento, S.A. and/or its Affiliates may have, or have had, business relationships with the companies mentioned in this report. However, the research analysts may not purchase or sell securities or have any interest whatsoever in companies subject to their opinion.

Banco Espírito Santo Group has a qualified shareholding (1% or more) in EDP, Novabase, Portugal Telecom, ZON Multimédia and Semapa. Portugal Telecom has either a direct or indirect qualified shareholding (2% or more) in Banco Espírito Santo, S.A. and Lloyds Banking Group has a shareholding of 3.3% in Espírito Santo Investment Holdings Limited.

BES Securities do Brasil S.A. CCVM does not hold a direct or indirect stake in the capital of the company (companies) that are subject of analysis(es)/recommendation(s) in this report, but the Banco Espírito Santo Group within which it is inserted, holds, directly and in some cases indirectly, 1% or more of the equity securities of the following companies: Cia. Providência Indústria e Comércio, Bradesco and Vila Velha S/A and its associated company UNIPAR. Bradesco is a direct shareholder of BES Securities do Brasil S.A. CCVM' parent company. With the exception of the companies mentioned before, BES Securities do Brasil S.A. CCVM does not hold direct or indirect stakes in the capital of the other companies that are subject of analysis(es)/recommendations in this report, and it was not involved in the acquisition, alienation and intermediation of securities issued by these companies in the market.

Pursuant to Polish Ministry of Finance regulations we inform that Banco Espírito Santo Group companies and/or Banco Espírito Santo de Investimento, SA Branch in Poland do not have a qualified shareholding in the Polish Securities Issuers mentioned in this report higher than 5% of its total share capital.

The Chief Executive Officer of Banco Espírito Santo de Investimento, S.A., Mr. José Maria Ricciardi, is a member of EDP's General and Supervisory Board. Mr. Rafael Valverde, a member of the board of Banco Espírito Santo de Investimento, S.A., is a non-executive board member of EDP Renováveis. Mr. Ricardo Abecassis Espírito Santo Silva, a member of the board of Banco Espírito Santo de Investimento, S.A., is a board member of BHG.

Banco Espírito Santo de Investimento, S.A and/or its subsidiaries are liquidity providers for Novabase.

Banco Espírito Santo de Investimento, S.A. and/or its subsidiaries participate or have participated, as a syndicate member in share offerings of Sonae Sierra Brasil, S.A (a subsidiary of Sonae SGPS), EDP Brazil, and JBS, Autometal, Inpar, Lopes, PDG Realty, Tecnisa, BR Properties, Even, Sonae, Direcional, Brasil Brokers, Hypermarcas, Estácio, Banco do Brasil, Brasil Insurance, Ecorodovias, Julio Simões, Magnesita, Mils, Multiplus, OSX Brasil, Petrobras, HRT Petróleo, Queiroz Galvão, CAB, Fleury, Droga Raia, Arezzo, BR Malls, Kroton Unit, Gerdau, Metal Gerdau, Brasil Pharma, Unipar and HRTP and Burford Capital, IQE plc. and ACM Shipping Plc, and Kredyt Inkaso S.A., Giełda Papierów Wartościowych S.A. (the Warsaw Stock Exchange S.A.) and Bank Gospodarki Żywnościowej S.A., in the last 12 months.

Banco Espírito Santo de Investimento, S.A. and/or its subsidiaries participate or have participated, as a syndicate member in the bond issues of the following companies: Abengoa, EDP and Portugal Telecom, JHSF, Cemig, Eletrobrás, ABC Brasil, Bradesco, Panamericano, Pine e Julio Simões, and as an entity organizing the issuance of bond issues of Kredyt Inkaso S.A in the last 12 months.

Banco Espírito Santo de Investimento, S.A. and/or its subsidiaries provided investment banking services to the following companies: Abertis, Acciona ACS, Altri, BBVA, Brisa, Dinamia, EDP, EDP Brazil, EDP Renováveis, Endesa, Ferrovial, Ibersol, Jerónimo Martins, Martifer, Mota-Engil, Portugal Telecom, REN, Sacyr Vallehermoso, Semapa, Sonaecom, Sonae SGPS, Teixeira Duarte and ZON Multimédia, and Budimex SA, Grupa Lotos S.A. and Kredyt Inkaso S.A and Ambev, JBS, Embraer, Autometal, PDG Realty, Tecnisa, BR Properties, Even, Sonae, Brasil Brokers, Hypermarcas, Cemig, Eletrobras, ABC Brasil, Bradesco, Banco do Brasil, Panamericano, Pine, Ecorodovias, OHL, Gerdau, Braskem, Petrobras, Unipar, HRT Petróleo, Fleury, Tim, Droga Raia, Arezzo BR Malls, Kroton Unit, Gerdau, Metal Gerdau, Brasil Pharma and ACM Shipping, AGA Rangemaster Group, Burford Capital, Caledonian Trust, Forum Energy, GlobeOp Financial Services, Impax Asset Management Group, ImmuPharma, India Hospitality Corp., IPSA, IQE, Palmaris Capital, Shaftesbury Plc., SVG Capital, Ted Baker Workspace Group Plc and Flybe Group Plc, in the last 12 months.

Banco Espírito Santo Group has been a partner to Mota-Engil in the infrastructure business in Portugal and other countries. Mota-Engil and Banco Espírito Santo Group, through ES Concessões, S.G.P.S., S.A., have created a joint holding company – Ascendi – for all stakes in transportation infrastructure concessions, in Portugal and abroad. Banco Espírito Santo de Investimento, S.A. provided, or continues to provide, investment banking services to Ascendi.

Banco Espírito Santo de Investimento, S.A. and/or its subsidiaries do and seek to provide investment banking or other services to the companies referred to in this research report. As a result, investors should be aware that a conflict of interest may exist.

#### Market Making UK

Execution Noble Limited is a Market Maker in companies covered and may sell to or buy from customers as principal in certain financial instruments listed or admitted to listing on the London Stock Exchange. For information on Companies to which Execution Noble Limited is a Market Maker please see "UK Market Making" on <a href="http://www.espiritosantoib-research.com">http://www.espiritosantoib-research.com</a>.

### **Confidentiality**

This report cannot be reproduced, in whole or in part, in any form or by any means, without Espírito Santo Investment Bank Research's specific written authorization. This report is confidential and is intended solely for the designated addressee. Therefore any disclosure, replication, distribution or any action taken in reliance on it, is prohibited and unlawful. Receipt and/or review of this research report constitutes your agreement not to redistribute, retransmit, or disclose to others the contents, opinions, conclusion, or information contained in this report (including any investment recommendations, estimates or price targets without first obtaining express permission from an authorized officer of Banco Espírito Santo de Investimento, S.A.

#### **Regulatory Authorities**

For information on the identity of the Regulatory Authorities that supervise the entities included within Espírito Santo Investment Bank Research please see <a href="http://www.espiritosantoib-research.com">http://www.espiritosantoib-research.com</a>.

### IMPORTANT DISCLOSURES FOR U.S. PERSONS

This report was prepared by Espírito Santo Investment Bank Research, a global brand name for the equity research teams of Banco Espírito Santo de Investimento, S.A., with headquarter in Lisbon, Portugal, of its Branches in Spain and Poland and of its affiliates BES Securities do Brasil, S.A – Corretora de Câmbio e Valores Mobiliários, in Brazil, and Execution Noble Limited, in the United Kingdom, all authorized to engage in securities activities according to each domestic legislation. Neither Banco Espírito Santo de Investimento, S.A. nor these affiliates are registered as a broker-dealer in the United States and therefore, is not subject to U.S. rules regarding the preparation of research reports and the independence of research analysts. This report is provided for distribution to U.S. institutional investors in reliance upon the exemption from registration provided by Rule 15a-6 of the U.S. Securities Exchange Act of 1934, as amended. This report is confidential and not intended for distribution to, or use by, persons other than the addressee and its employees, agents and advisors.

E.S. Financial Services, Inc. is the U.S. distributor of this report. E.S. Financial Services, Inc. accepts responsibility for the contents of this report, subject to the terms set out below, to the extent that it is delivered to a U.S. person other than a major U.S. institutional investor. Any U.S. person receiving this report and wishing to effect securities transactions in any security discussed in the report should do so only through E.S. Financial Services, Inc.

#### **Contact Information:**

Garreth Hodgson	Senior Managing Director /Head of Sales	(212) 351-6054	ghodgson@esinvestment.com
Eva Gendell	Vice President	(212) 351-6058	egendell@esinvestment.com
Joseph Mcglone	Vice President	(212) 351-6061	jmcglone@esinvestment.com
Joy Bejasa	Vice President	(212) 351-6055	jbejasa@esinvestment.com
Lisa Gottardo	Executive Director	(212) 351-6060	lgottardo@esinvestment.com
Mike Maione	Executive Director	(212) 351-6067	mmaione@esinvestment.com
MikeWilliams	Vice President	(212) 351-6052	mwilliams@esinvestment.com
Pedro Marques	Vice President	(212) 351-6051	pmarques@esinvestment.com
Poorva Upadhyaya	Assistant Vice President	(212) 351-6056	pupadhyaya@esinvestment.com

E.S. Financial Services, Inc. New York Branch 340 Madison Avenue, 12th Floor New York, N.Y. 10173

Each analyst whose name appears in this report certifies the following, with respect to each security or issuer that the analyst covers in this report: (1) that all of the views expressed in this report accurately reflect the personal views of the analyst about those securities and issuers; and (2) that no part of the compensation of the analyst was, is, or will be, directly or indirectly, related to the specific recommendations or views expressed by the analyst in this report. The analysts whose names appear in this report are not registered or qualified as research analysts with the Financial Industry Regulatory Authority ("FINRA") and may not be associated persons of E.S. Financial Services, Inc. and therefore may not be subject to the applicable restrictions under FINRA Rules on communications with a subject company, public appearances and trading securities held by a research analyst account.

#### **Ownership and Material Conflicts of Interest**

Banco Espírito Santo de Investimento, S.A. and/or its Affiliates and/or their directors, officers and employees, may have, or have had, interests or qualified holdings on issuers mentioned in this report. Banco Espírito Santo de Investimento, S.A. and/or its Affiliates may have, or have had, business relationships with the companies mentioned in this report. For a complete list of the covered Issuers in which Banco Espírito Santo de Investimento, S.A. or its Affiliates hold stakes in excess of 1% and for information on possible material conflicts of interest arising from investment banking activities please see "Important disclosures for US persons" on http://www.espiritosantoib-research.com.

#### **Receipt of Compensation**

For information on Receipt of Compensation from subject Issuers please see "Important disclosures for US persons" on http://www.espiritosantoib-research.com

#### **Representation to Investors**

Espírito Santo Investment Bank Research has issued this report for information purposes only. All the information contained therein is based upon information available to the public and has been obtained from sources believed to be reliable. However, Espírito Santo Investment Bank Research does not guarantee the accuracy or completeness of the information contained in this report. The opinions expressed herein are our present opinions only, and are subject to change without prior notice. Espírito Santo Investment Bank Research is not under any obligation to update or keep current the information and the opinions expressed herein. This report is not. and should not be construed as an offer or a solicitation to buy or sell any securities or related financial instruments. The investment discussed or recommended in this report may be unsuitable for investors depending on their specific investment objectives and financial position. Where an investment is denominated in a currency other than the investor's currency, changes in rates of exchange may have an adverse effect on the value, price of, or income derived from the investment. Past performance is not necessarily a guide to future performance. Income from investments may fluctuate. The price or value of the investments to which this report relates, either directly or indirectly, may fall or rise against the interest of investors. Any recommendation and opinion contained in this report may become outdated as a consequence of changes in the environment in which the issuer of the securities under analysis operates, in addition to changes in the estimates and forecasts, assumptions and valuation methodology used herein. The securities mentioned in this publication may not be eligible for sale in some states or countries. Espírito Santo Investment Bank Research does not accept any form of liability for losses or damages which may arise from the use of this report. Please note that investing in any non-U.S. securities or related financial instruments discussed in this research report may present certain risks. The securities of non-U.S. issuers may not be registered with the U.S. Securities and Exchange Commission or subject to regulation in the United States. Information on such non-U.S. securities or related financial instruments may be limited. Foreign companies may not be subject to audit and reporting standards and regulatory requirements comparable to those in the United States.