6th September 2016

TMT Altice

Price EUR15.45

Sales14,55020,06823,18123,474% change37.9%15.5%1.3%EBITDA5,4947,9609,4359,810EBIT0.00.00.00.0% change7,210.725.01,3921,913% change2015201620172018Net income-219.7201620172018Operating margin8.417.020.722.7Net margin-1.50.16.08.1ROE-30.3-18.436.731.2ROE0.10.25.76.5Gearing1,7981,6531,098733.3(EUR)20152016e2017e2018eFPS-0.28-0.200.841.24% change-30.1%NS47.8%P/ENSNS18.4x12.4xFCF yield (%)0.2%0.1%8.2%11.5%Dividends (EUR)0.000.000.000.00Div yield (%)NMNMNMEV/Sales3.6x3.3x2.8x2.7x								
12-month High / Low (EUR) $24.5 / 10.0$ Market Cap (EUR) $16,901$ Ev (BG Estimates) (EUR) $66,773$ Avg. 6m daily volume (000) 1665 3y EPS CAGR 1665 Absolute perf. 17.5% 1.0% 11.1% Absolute perf. 17.5% 1.0% 11.1% 16.6% Telecom 0.0% 5.5% -8.2% -12.8% DJ Stoxx 600 2.7% 2.6% -4.2% YEnd Dec. (EURm) 2015 2016 2017 2018 Sales $14,550$ $20,068$ $23,181$ $23,474$ % change 37.9% 15.5% 1.392 $9,810$ EBITDA $5,494$ $7,960$ $9,435$ $9,810$ K change -219.7 25.0 $1,392$ $1,913$ K change -219.7 25.5 $1,292$ $1,913$ M change -219.7 25.5 1.292 37.4% Operating margin 8.4 17.0 20.7 25.7 65.5 Gearing	Bloomberg	Bloomberg ATC NA						
Market Cap (EUR) 16,901 Ev (BG Estimates) (EUR) 66,773 Ayg. 6m daily volume (000) 1665 ay EPS CAGR 100 11.1% Absolute perf. 17.5% 1.0% 11.1% Absolute perf. 17.5% 1.0% 11.1% Telecom 0.0% -5.5% -8.2% -12.8% DJ Stoxx 600 2.7% 2.6% -4.2% YEnd Dec. (EURm) 2015 20.068 23.181 23,474 % change 37.9% 15.5% 1.3% EBITDA 5,494 7,960 9,435 9,810 EBIT 0.0 0.0 0.0 0.0 % change -219.7 25.0 1,392 1,913 % change -219.7 25.0 1,392 1,913 % change -219.7 25.0 1,392 1,913 Met margin -1.5 0.1 6.0 8.1 ROE 0.1 0.0 20.7 22.7 Net margin -1.5 0.1 6.0 8.1 ROE	Reuters							
ber (BG Estimates) (EUR) Avg. 6m daily volume (000) 3y EPS CAGR66,773 1 6651 M3 M6 M31/12/15Absolute perf.17.5%1.0%11.1%16.6%Telecom0.0%-5.5%-8.2%-12.8%DJ Stoxx 6002.7%2.6%-4.2%YEnd Dec. (EURm)201520.06823.18123,474% change20,06823,18123,474% change37.9%15.5%1.3%EBITDA5,4947,9609,4359,810EBIT0.00.00.00.0% change219.725.01,3921,913% change20152016e2017e2018eNet income-219.725.01,3921,913% change-219.725.01,3921,913% change-219.725.01,2921,913% change-219.72016e2017e2017eQDerating margin8.417.020.722.7ROCE0.10.25.76.5Garing1,7981,6531,098733.3(EUR)20152016e2017e2018eEPS-0.28-0.200.841.2.4x% change-30.1%NS18.4x12.4x% change-30.1%NS18.4x12.4xFCF yield (%)0.2%0.0%0.0%0.0%Dividends (EUR)0.0%0.0%0.0%0.0%Dividends (E	• •	12-month High / Low (EUR)						
Avg. 6m daily volume (000) 1 1 6 M 31/12/15 Absolute perf. 17.5% 1.0% 11.1% 16.6% Absolute perf. 17.5% 1.0% 11.1% 16.6% Telecom 0.0% -5.5% -8.2% -12.8% DJ Stoxx 600 2.7% 2.6% -4.2% YEnd Dec. (EURm) 2015 2016e 2017e 2018e Sales 14,550 20,068 23,181 23,474 % change 37.9% 15.5% 1.3% EBITDA 5,494 7,960 9,435 9,810 EBIT 0.0 0.0 0.0 0.0 % change -219.7 25.0 1,392 1,913 % change -219.7 25.0 1,392 1,913 % change -219.7 25.0 1,292 1,913 Mc change -219.7 25.0 1,292 1,913 Mc change -219.7 25.0 1,292 1,913 Net margin -1.5 0.1 6.0 8.1 ROCE		'						
Sy EPS CAGR 1M 3M 6 M 31/12/15 Absolute perf. 17.5% 1.0% 11.1% 16.6% Telecom 0.0% -5.5% -8.2% -12.8% DJ Stoxx 600 2.7% 2.6% -4.2% YEnd Dec. (EURm) 2015 20.16 2017 2018 Sales 14,550 20,068 23,181 23,474 % change 37.9% 15.5% 1.3% EBITDA 5,494 7,960 9,435 9,810 EBIT 0.0 0.0 0.0 0.0 % change -219.7 25.0 1,392 1,913 % change -219.7 25.0 1,392 1,913 % change -219.7 25.0 1,392 1,913 Met income -219.7 25.0 1,392 1,913 % change -219.7 25.0 1,392 1,913 ROE 1.15 0.1 6.0 8.1 ROE 1.178 <td></td> <td></td> <td></td> <td></td> <td>'</td>					'			
Absolute perf. 1 M 3 M 6 M 31/12/15 Absolute perf. 17.5% 1.0% 11.1% 16.6% Telecom 0.0% -5.5% 8.2% -12.8% DJ Stoxx 600 2.7% 2.6% -4.2% YEnd Dec. (EURm) 2015 2016e 2017e 2018e Sales 14,550 20,068 23,181 23,474 % change 37.9% 15.5% 1.3% EBITDA 5,494 7,960 9,435 9,810 EBIT 0.0 0.0 0.0 0.0 % change . 37.9% 1,55% 1,392 1,913 Ket income -219.7 25.0 1,392 1,913 % change . 37.4% 32.1 37.4% Deperating margin 8.4 17.0 20.7 22.7 Net margin -1.5 0.1 6.0 8.1 ROCE 0.1 0.2 5.7 6.5 Gearing <td></td> <td>olume (00</td> <td>0)</td> <td></td> <td>1 665</td>		olume (00	0)		1 665			
Absolute perf. 17.5% 1.0% 11.1% 16.6% Telecom 0.0% -5.5% -8.2% -12.8% DJ Stoxx 600 2.7% 2.6% -4.2% YEnd Dec. (EURm) 2015 20,068 23,181 23,474 Sales 14,550 20,068 23,181 23,474 % change 37.9% 15.5% 1.3% EBITDA 5,494 7,960 9,435 9,810 EBIT 0.0 0.0 0.0 0.0 % change -219.7 25.0 1,392 1,913 Mc change -219.7 25.0 1,392 1,913 Mc change -219.7 16.5 31.2 37.4% Operating margin 8.4 17.0 20.7 6.5 Gearing </td <td>3y EPS CAGR</td> <td colspan="7">3y EPS CAGR</td>	3y EPS CAGR	3y EPS CAGR						
Telecom 0.0% -5.5% -8.2% -12.8% DJ Stoxx 600 2.7% 2.7% 2.6% -4.2% YEnd Dec. (EURm) 2015 2016e 2017e 2018e Sales 14,550 20,068 23,181 23,474 % change 37.9% 15.5% 1.3% EBITDA 5,494 7,960 9,435 9,810 EBIT 0.0 0.0 0.0 0.0 % change -219.7 25.0 1,392 1,913 Mc change -219.7 25.0 1,392 1,913 Mc change -1.25 0.1 6.0 8.1 ROE 0.1 0.2 5.7 6.5 Gearing		1 M	3 M	6 M 31	l/12/15			
DJ Stoxx 600 2.7% 2.6% -4.2% YEnd Dec. (EURm) 2015 2016e 2017e 2018e Sales 14,550 20,068 23,181 23,474 % change 37.9% 15.5% 1.3% EBITDA 5,494 7,960 9,435 9,810 EBITDA 5,494 7,960 9,435 9,810 Kenange	Absolute perf.	17.5%	1.0%	11.1%	16.6%			
YEnd Dec. (EURm) 2015 2016e 2017e 2018e Sales 14,550 20,068 23,181 23,474 % change 37.9% 15.5% 1.3% EBITDA 5,494 7,960 9,435 9,810 EBITDA 5,494 7,960 9,435 9,810 EBITDA 5,494 7,960 9,435 9,810 CBIT 0.0 0.0 0.0 0.0 % change - 219.7 25.0 1,392 1,913 % change -219.7 25.0 1,392 1,913 MCE -30.3 -18.4 36.7 31.2 ROP 0.1 0.2 5.7 6.5 Gearing 1,798 1,653 1,098 733.3 (EUR)	Telecom	0.0%	-5.5%	-8.2%	-12.8%			
Sales 14,550 20,068 23,181 23,474 % change 37.9% 15.5% 1.3% EBITDA 5,494 7,960 9,435 9,810 EBIT 0.0 0.0 0.0 0.0 % change -219.7 25.0 1,392 1,913 Moterianse -219.7 25.0 1,392 1,913 Moterianse -219.7 25.0 1,392 1,913 Moterianse -1.15 0.1 6.0 8.1 ROE -30.3 -18.4 36.7 31.2 Gearing	DJ Stoxx 600	2.7%	2.7%	2.6%	-4.2%			
Control Control <t< td=""><td>YEnd Dec. (EURm)</td><td>2015</td><td>2016e</td><td>2017e</td><td>2018e</td></t<>	YEnd Dec. (EURm)	2015	2016e	2017e	2018e			
BITDA 5,494 7,960 9,435 9,810 EBITDA 5,494 7,960 9,435 9,810 EBIT 0.0 0.0 0.0 0.0 % change	Sales	14,550	20,068	23,181	23,474			
EBIT 0.0 0.0 0.0 0.0 % change -219.7 25.0 1,392 1,913 % change NS -219.7 25.0 1,392 1,913 % change NS -219.7 25.0 1,392 1,913 % change -219.7 25.0 1,392 1,913 % change -219.7 25.0 1,392 37.4% Deperating margin 8.4 17.0 20.7 22.7 Net margin -1.5 0.1 6.0 8.1 ROE -30.3 -18.4 36.7 31.2 ROE 0.1 0.2 5.7 6.5 Gearing 1,798 1,653 1,098 733.3 (EUR) 2015 2016 2017 2018 EPS -0.28 -0.20 0.84 1.24 % change - 30.1% NS 47.8% P/E NS 18.4x 12.4x % change 0.2% 0.1% 8.2% 11.5% Dividends (EUR) 0.0	% change		37.9%	15.5%	1.3%			
Wet income -219.7 25.0 1,392 1,913 % change NS 37.4% % change NS 37.4% Met income 2015 2016e 2017e 2018e Operating margin 8.4 17.0 20.7 22.7 Net margin -1.5 0.1 6.0 8.1 ROE -30.3 -18.4 36.7 31.2 ROCE 0.1 0.2 5.7 6.5 Gearing 1,798 1,653 1,098 733.3 (EUR) 2015 2016e 2017e 2018e EPS -0.28 -0.20 0.84 1.24 % change - 30.1% NS 47.8% P/E NS 18.4x 12.4x FCF yield (%) 0.2% 0.1% 8.2% 11.5% Dividends (EUR) 0.00 0.00 0.00 0.00 Div yield (%) NM NM NM NM	EBITDA	5,494	7,960	9,435	9,810			
Net income -219.7 25.0 1,392 1,913 % change 2015 2016e 2017e 2018e Operating margin 8.4 17.0 20.7 22.7 Net margin -1.5 0.1 6.0 8.1 ROE -30.3 -18.4 36.7 31.2 ROE -30.3 -18.4 36.7 31.2 Gearing 1,798 1,653 1,098 733.3 (EUR) 2015 2016e 2017e 2018e EPS -0.28 -0.20 0.84 1.24 % change - 30.1% NS 47.8% P/E NS NS 18.4x 12.4x % change - 30.1% NS 47.8% P/E NS NS 18.4x 12.4x % change 0.2% 0.1% 8.2% 11.5% Dividends (EUR) 0.00 0.00 0.00 0.00 Diviyeld (%) N	EBIT	0.0	0.0	0.0	0.0			
NS 37.4% 2015 2016e 2017e 2018e Operating margin 8.4 17.0 20.7 22.7 Net margin -1.5 0.1 6.0 8.1 ROE -30.3 -18.4 36.7 31.2 ROCE 0.1 0.2 5.7 6.5 Gearing 1,798 1,653 1,098 733.3 (EUR) 2015 2016e 2017e 2018e EPS -0.28 -0.20 0.84 1.24 % change - 30.1% NS 47.8% P/E NS NS 18.4x 12.4x FCF yield (%) 0.2% 0.1% 8.2% 11.5% Dividends (EUR) 0.00 0.00 0.00 0.00 EV/Sales 3.6x 3.3x 2.8x 2.7x	% change							
2015 2016e 2017e 2018e Operating margin 8.4 17.0 20.7 22.7 Net margin -1.5 0.1 6.0 8.1 ROE -30.3 -18.4 36.7 31.2 ROCE 0.1 0.2 5.7 6.5 Gearing 1,798 1,653 1,098 733.3 (EUR) 2015 2016e 2017e 2018e EPS -0.28 -0.20 0.84 1.24 % change - 30.1% NS 47.8% P/E NS NS 18.4x 12.4x FCF yield (%) 0.2% 0.1% 8.2% 11.5% Dividends (EUR) 0.00 0.00 0.00 0.00 Div yield (%) NM NM NM NM EV/Sales 3.6x 3.3x 2.8x 2.7x	Net income	-219.7	25.0	1,392	1,913			
Coperating margin 8.4 17.0 20.7 22.7 Net margin -1.5 0.1 6.0 8.1 ROE -30.3 -18.4 36.7 31.2 ROCE 0.1 0.2 5.7 6.5 Gearing 1,798 1,653 1,098 733.3 (EUR) 2015 2016e 2017e 2018e EPS -0.28 -0.20 0.84 1.24 % change - 30.1% NS 47.8% P/E NS NS 18.4x 12.4x FCF yield (%) 0.2% 0.1% 8.2% 11.5% Dividends (EUR) 0.00 0.00 0.00 0.00 Div yield (%) NM NM NM NM EV/Sales 3.6x 3.3x 2.8x 2.7x	% change		NS		37.4%			
Net margin -1.5 0.1 6.0 8.1 ROE -30.3 -18.4 36.7 31.2 ROCE 0.1 0.2 5.7 6.5 Gearing 1,798 1,653 1,098 733.3 (EUR) 2015 2016e 2017e 2018e EPS -0.28 -0.20 0.84 1.24 % change - 30.1% NS 47.8% P/E NS NS 18.4x 12.4x FCF yield (%) 0.2% 0.1% 8.2% 11.5% Dividends (EUR) 0.00 0.00 0.00 0.00 Div yield (%) NM NM NM NM EV/Sales 3.6x 3.3x 2.8x 2.7x		2015	2016e	2017e	2018e			
ROE -30.3 -18.4 36.7 31.2 ROCE 0.1 0.2 5.7 6.5 Gearing 1,798 1,653 1,098 733.3 (EUR) 2015 2016e 2017e 2018e EPS -0.28 -0.20 0.84 1.24 % change - 30.1% NS 47.8% P/E NS NS 18.4x 12.4x FCF yield (%) 0.2% 0.1% 8.2% 11.5% Dividends (EUR) 0.00 0.00 0.00 0.00 Div yield (%) NM NM NM NM EV/Sales 3.6x 3.3x 2.8x 2.7x	Operating margin	8.4	17.0	20.7	22.7			
ROCE 0.1 0.2 5.7 6.5 Gearing 1,798 1,653 1,098 733.3 (EUR) 2015 2016e 2017e 2018e EPS -0.28 -0.20 0.84 1.24 % change - 30.1% NS 47.8% P/E NS NS 18.4x 12.4x FCF yield (%) 0.2% 0.1% 8.2% 11.5% Dividends (EUR) 0.00 0.00 0.00 0.00 Div yield (%) NM NM NM NM EV/Sales 3.6x 3.3x 2.8x 2.7x	Net margin	-1.5	0.1	6.0	8.1			
Age 1,798 1,653 1,098 733.3 (EUR) 2015 2016e 2017e 2018e EPS -0.28 -0.20 0.84 1.24 % change - 30.1% NS 47.8% P/E NS NS 18.4x 12.4x ECF yield (%) 0.2% 0.1% 8.2% 11.5% Dividends (EUR) 0.00 0.00 0.00 0.00 Div yield (%) NM NM NM NM EV/Sales 3.6x 3.3x 2.8x 2.7x	ROE	-30.3	-18.4	36.7	31.2			
(EUR) 2015 2016e 2017e 2018e EPS -0.28 -0.20 0.84 1.24 % change - 30.1% NS 47.8% P/E NS NS 18.4x 12.4x FCF yield (%) 0.2% 0.1% 8.2% 11.5% Dividends (EUR) 0.00 0.00 0.00 0.00 Div yield (%) NM NM NM NM EV/Sales 3.6x 3.3x 2.8x 2.7x	ROCE	0.1	0.2	5.7	6.5			
Leps -0.28 -0.20 0.84 1.24 % change - 30.1% NS 47.8% P/E NS NS 18.4x 12.4x FCF yield (%) 0.2% 0.1% 8.2% 11.5% Dividends (EUR) 0.00 0.00 0.00 0.00 Div yield (%) NM NM NM NM EV/Sales 3.6x 3.3x 2.8x 2.7x	Gearing	1,798	1,653	1,098	733.3			
% change - 30.1% NS 47.8% P/E NS NS 18.4x 12.4x FCF yield (%) 0.2% 0.1% 8.2% 11.5% Dividends (EUR) 0.00 0.00 0.00 0.00 Div yield (%) NM NM NM NM EV/Sales 3.6x 3.3x 2.8x 2.7x	(EUR)	2015	2016e	2017e	2018e			
P/E NS NS 18.4x 12.4x FCF yield (%) 0.2% 0.1% 8.2% 11.5% Dividends (EUR) 0.00 0.00 0.00 0.00 Div yield (%) NM NM NM EV/Sales 3.6x 3.3x 2.8x 2.7x	EPS	-0.28	-0.20	0.84	1.24			
P/E NS NS 18.4x 12.4x FCF yield (%) 0.2% 0.1% 8.2% 11.5% Dividends (EUR) 0.00 0.00 0.00 0.00 Div yield (%) NM NM NM EV/Sales 3.6x 3.3x 2.8x 2.7x	% change	-	30.1%	NS	47.8%			
Dividends (EUR) 0.00 0.00 0.00 0.00 Div yield (%) NM NM NM NM EV/Sales 3.6x 3.3x 2.8x 2.7x	P/E	NS	NS	18.4x	12.4x			
Div yield (%)NMNMNMEV/Sales3.6x3.3x2.8x2.7x	FCF yield (%)	0.2%	0.1%	8.2%	11.5%			
EV/Sales 3.6x 3.3x 2.8x 2.7x	Dividends (EUR)	0.00	0.00	0.00	0.00			
,	Div yield (%)	NM	NM	NM	NM			
	EV/Sales	3.6x	3.3x	2.8x	2.7x			
EV/EBITDA 9.5x 8.4x 6.9x 6.4x	EV/EBITDA							
EV/EBIT NS NS NS NS		9.5x	8.4x	6.9x	6.4x			



Exchange offer for the buy out of SFR minorities: an opportunity for both sides

Fair Value EUR16,5 (+7%)

BUY

Together with enhanced vertical integration and implementation of a remuneration scheme between Altice and its subsidiaries, the proposed exchange offer should help Altice streamline its structure and increase its operational and financial efficiency. We see this operation as positive for both SFR and Altice shareholders. We stick to our Buy recommendation and Fair Value of EUR16.5 for Altice.

ANALYSIS

- As a reminder, Altice is proposing an exchange offer for SFR group shares, in order to simplify its
 ownership structure and enhance organisational flexibility. The offer is eight Altice class A shares
 for five SFR group shares. The exchange offer is not subject to any ownership threshold. The
 operation is expected to be launched on 22nd September and close on 20th October 2016. Altice
 presents the offer as an exchange opportunity for SFR shareholders, not as a minority buy out, and
 says it has no problem with minority leakage.
- We think this offer is positive from Altice's standpoint: the premium is quite limited (+2.6% based on 2nd September stocks prices), the timing is right since SFR's share is at a low point, according to our estimates the operation should be earnings enhancing for Altice, and we belive the operation should give the group more flexibility in managing its cash and optimising its fiscality. Altice said this operation would enable the group to transform into an intregrated group, simplify its structure and support cost cutting plans. Also Altice mentioned that since French consolidation hopes had gone there was no reason left in keeping SFR aside.
- As announced yesterday, the operation will help Altice's plan to make its core strategic operational and technical capabilities available to its subsidiaries in a more centralised manner. As part of this industrial, commercial and financial strategy, Altice announced the acquisition of technical and customer service providers Parilis and Intelcia, for a total value below EUR200m. This vertical integration should help Altice secure some technical and operational capabilities. Also part of this strategy, Altice intends to implement specific remuneration models with Altice's subsidiaries, in the possible form of revenue sharing agreements remunerating Altice for the central services offered to the subsidiaries. It is too early at this point to specify the conditions for these remuneration agreements Altice said.
- We think most SFR shareholders should tender to the exchange offer, although the proposed premium appears fairly low: the operation should enable SFR shareholders to capture both future benefits from expected turnaround at SFR and value creation potential at the Altice level, thanks in particular to the US, while benefitting from increased liquidity. Nevertheless, SFR shareholders will need to agree to become shareholders of a more levered company, with a 5.8x net debt / EBITDA ratio at Altice vs 4.0x at SFR. We also believe SFR's shareholders interests are better off if fully aligned with those of majority shareholder Altice. Finally, we think the implementation of the new remuneration scheme between Altice and SFR might be detrimental to SFR's stand alone financials.

VALUATION

We stick to our Fair Value of EUR16.5 and Buy recommendation.

NEXT CATALYSTS

- Opening of the exchange offer expected on 22nd September.
- Q3 results on 8th November.

Click here to download document



Analyst : Thomas Coudry 33(0) 1 70 36 57 04 tcoudry@bryangarnier.com Sector Team : Richard-Maxime Beaudoux Gregory Ramirez Dorian Terral

BRYAN, GARNIER & CO

Bryan Garnier stock rating system

For the purposes of this Report, the Bryan Garnier stock rating system is defined as follows:

Stock rating

BUY	Positive opinion for a stock where we expect a favourable performance in absolute terms over a period of 6 months from the publication of a				
DUI	recommendation. This opinion is based not only on the FV (the potential upside based on valuation), but also takes into account a number of				
	elements that could include a SWOT analysis, momentum, technical aspects or the sector backdrop. Every subsequent published update on the stock				
	will feature an introduction outlining the key reasons behind the opinion.				

- NEUTRAL Opinion recommending not to trade in a stock short-term, neither as a BUYER or a SELLER, due to a specific set of factors. This view is intended to be temporary. It may reflect different situations, but in particular those where a fair value shows no significant potential or where an upcoming binary event constitutes a high-risk that is difficult to quantify. Every subsequent published update on the stock will feature an introduction outlining the key reasons behind the opinion.
- SELL Negative opinion for a stock where we expect an unfavourable performance in absolute terms over a period of 6 months from the publication of a recommendation. This opinion is based not only on the FV (the potential downside based on valuation), but also takes into account a number of elements that could include a SWOT analysis, momentum, technical aspects or the sector backdrop. Every subsequent published update on the stock will feature an introduction outlining the key reasons behind the opinion.

Distribution of stock ratings

BUY ratings 55,3%

NEUTRAL ratings 33,3%

SELL ratings 11,3%

Research Disclosure Legend

1	Bryan Garnier shareholding in Issuer	Bryan Garnier & Co Limited or another company in its group (together, the "Bryan Garnier Group") has a shareholding that, individually or combined, exceeds 5% of the paid up and issued share capital of a company that is the subject of this Report (the "Issuer").	No
2	Issuer shareholding in Bryan Garnier	er shareholding in Bryan The Issuer has a shareholding that exceeds 5% of the paid up and issued share capital of one or more members	
3	Financial interest	A member of the Bryan Garnier Group holds one or more financial interests in relation to the Issuer which are significant in relation to this report	No
4	Market maker or liquidity provider	A member of the Bryan Garnier Group is a market maker or liquidity provider in the securities of the Issuer or in any related derivatives.	No
5	Lead/co-lead manager	In the past twelve months, a member of the Bryan Garnier Group has been lead manager or co-lead manager of one or more publicly disclosed offers of securities of the Issuer or in any related derivatives.	No
6	Investment banking agreement	A member of the Bryan Garnier Group is or has in the past twelve months been party to an agreement with the Issuer relating to the provision of investment banking services, or has in that period received payment or been promised payment in respect of such services.	No
7	Research agreement	A member of the Bryan Garnier Group is party to an agreement with the Issuer relating to the production of this Report.	No
8	Analyst receipt or purchase of shares in Issuer	The investment analyst or another person involved in the preparation of this Report has received or purchased shares of the Issuer prior to a public offering of those shares.	No
9	Remuneration of analyst	The remuneration of the investment analyst or other persons involved in the preparation of this Report is tied to investment banking transactions performed by the Bryan Garnier Group.	No
10	Corporate finance client	In the past twelve months a member of the Bryan Garnier Group has been remunerated for providing corporate finance services to the issuer or may expect to receive or intend to seek remuneration for corporate finance services from the Issuer in the next six months.	No
11	Analyst has short position	The investment analyst or another person involved in the preparation of this Report has a short position in the securities or derivatives of the Issuer.	No
12	Analyst has long position	The investment analyst or another person involved in the preparation of this Report has a long position in the securities or derivatives of the Issuer.	No
13	Bryan Garnier executive is an officer	A partner, director, officer, employee or agent of the Bryan Garnier Group, or a member of such person's household, is a partner, director, officer or an employee of, or adviser to, the Issuer or one of its parents or subsidiaries. The name of such person or persons is disclosed above.	No
14	Analyst disclosure	The analyst hereby certifies that neither the views expressed in the research, nor the timing of the publication of the research has been influenced by any knowledge of clients positions and that the views expressed in the report accurately reflect his/her personal views about the investment and issuer to which the report relates and that no part of his/her remuneration was, is or will be, directly or indirectly, related to the specific recommendations or views expressed in the report.	Yes
15	Other disclosures	Other specific disclosures: Report sent to Issuer to verify factual accuracy (with the recommendation/rating, price target/spread and summary of conclusions removed).	No

A copy of the Bryan Garnier & Co Limited conflicts policy in relation to the production of research is available at www.bryangarnier.com

BRYAN, GARNIER & CO

London	Paris	New York	Munich	New Delhi
Beaufort House	26 Avenue des Champs Elysées	750 Lexington Avenue	Widenmayerstrasse 29	The Imperial Hotel Janpath
15 St. Botolph Street	75008 Paris	New York, NY 10022	80538 Munich	New Delhi 110 001 Tel +91 11 4132 6062
London EC3A 7BB	Tel: +33 (0) 1 56 68 75 00	Tel: +1 (0) 212 337 7000	Germany	+91 98 1111 5119
Tel: +44 (0) 207 332 2500	Fax: +33 (0) 1 56 68 75 01	Fax: +1 (0) 212 337 7002	+49 89 2422 62 11	Fax +91 11 2621 9062
Fax: +44 (0) 207 332 2559	Regulated by the	FINRA and SIPC member		Geneva
Authorised and regulated by the	Financial Conduct Authority (FCA) and the			rue de Grenus 7 CP 2113
Financial Conduct Authority (FCA)	Autorité de Contrôle prudential et de			Genève 1, CH 1211
	resolution (ACPR)			Tel +4122 731 3263

Important information

This document is classified under the FCA Handbook as being investment research (independent research). Bryan Garnier & Co Limited has in place the measures and arrangements required for investment research as set out in the FCA's Conduct of Business Sourcebook.

Fax+4122731 3243 Regulated by the FINMA

This report is prepared by Bryan Garnier & Co Limited, registered in England Number 03034095 and its MIFID branch registered in France Number 452 605 512. Bryan Garnier & Co Limited is authorised and regulated by the Financial Conduct Authority (Firm Reference Number 178733) and is a member of the London Stock Exchange. Registered address: Beaufort House 15 St. Botolph Street, London EC3A 7BB, United Kingdom

This Report is provided for information purposes only and does not constitute an offer, or a solicitation of an offer, to buy or sell relevant securities, including securities mentioned in this Report and options, warrants or rights to or interests in any such securities. This Report is for general circulation to clients of the Firm and as such is not, and should not be construed as, investment advice or a personal recommendation. No account is taken of the investment objectives, financial situation or particular needs of any person.

The information and opinions contained in this Report have been compiled from and are based upon generally available information which the Firm believes to be reliable but the accuracy of which cannot be guaranteed. All components and estimates given are statements of the Firm, or an associated company's, opinion only and no express representation or warranty is given or should be implied from such statements. All opinions expressed in this Report are subject to change without notice. To the fullest extent permitted by law neither the Firm nor any associated company accept any liability whatsoever for any direct or consequential loss arising from the use of this Report. Information may be available to the Firm and/or associated companies which are not reflected in this Report. The Firm or an associated company may have a consulting relationship with a company which is the subject of this Report.

This Report may not be reproduced, distributed or published by you for any purpose except with the Firm's prior written permission. The Firm reserves all rights in relation to this Report.

Past performance information contained in this Report is not an indication of future performance. The information in this report has not been audited or verified by an independent party and should not be seen as an indication of returns which might be received by investors. Similarly, where projections, forecasts, targeted or illustrative returns or related statements or expressions of opinion are given ("Forward Looking Information") they should not be regarded as a guarantee, prediction or definitive statement of fact or probability. Actual events and circumstances are difficult or impossible to predict and will differ from assumptions. A number of factors, in addition to the risk factors stated in this Report, could cause actual results to differ materially from those in any Forward Looking Information.

Disclosures specific to clients in the United Kingdom

This Report has not been approved by Bryan Garnier & Co Limited for the purposes of section 21 of the Financial Services and Markets Act 2000 because it is being distributed in the United Kingdom only to persons who have been classified by Bryan Garnier & Co Limited as professional clients or eligible counterparties. Any recipient who is not such a person should return the Report to Bryan Garnier & Co Limited and should not rely on it for any purposes whatsoever.

This research report (the "Report") was prepared by Bryan Garnier & Co Limited for information purposes only. The Report is intended for distribution in the United States to "Major US Institutional Investors" as defined in SEC Rule 15a-6 and may not be furnished to any other person in the United States. Each Major US Institutional Investor which receives a copy of this Report by its acceptance hereof represents and agrees that it shall not distribute or provide this Report to any other person. Any US person that desires to effect transactions in any security discussed in this Report should call or write to our US affiliated broker, Bryan Garnier Securities, LLC. 750 Lexington Avenue, New York NY 10022. Telephone: 1-212-337-7000.

This Report is based on information obtained from sources that Bryan Garnier & Co Limited believes to be reliable and, to the best of its knowledge, contains no misleading, untrue or false statements but which it has not independently verified. Neither Bryan Garnier & Co Limited and/or Bryan Garnier Securities LLC make no guarantee, representation or warranty as to its accuracy or completeness. Expressions of opinion herein are subject to change without notice. This Report is not an offer to buy or sell any security.

Bryan Garnier Securities, LLC and/or its affiliate, Bryan Garnier & Co Limited may own more than 1% of the securities of the company(ies) which is (are) the subject matter of this Report, may act as a market maker in the securities of the company(ies) discussed herein, may manage or co-manage a public offering of securities for the subject company(ies), may sell such securities to or buy them from customers on a principal basis and may also perform or seek to perform investment banking services for the company(ies).

Bryan Garnier Securities, LLC and/or Bryan Garnier & Co Limited are unaware of any actual, material conflict of interest of the research analyst who prepared this Report and are also not

aware that the research analyst knew or had reason to know of any actual, material conflict of interest at the time this Report is distributed or made available..

BRYAN, GARNIER & CO