

July 10, 2015 Page 1 of 12

Gap, Inc. (GPS-US)

Apparel Retail

Philip Van Deusen
Director of Research
(646) 862-2909 Direct
pvandeusen@tigressfp.com

Research Action: Initiation of Coverage

Economic Profit:

Market Value Added:

Future Growth Value:

Current Operations Value:

Rating:	Neutral
Prior Rating:	None
Price 07/08/2015:	\$38.38
52 Week High /	\$46.85
Low:	\$35.46
Key Data: (TTM as of Apr-15)	

Excess Cash per Share: \$0.99 **Annual Dividend:** \$0.92 **Dividend Yield:** 2.40% Ave. Volume (30 Day): 3.3M **Shares Outstanding:** 417.4M Float: 217.7M **Short Interest** 24.7M **Equity MV:** \$16.018.1M Sales TTM: \$16,318.0M Beta: 1.01 EBITDAR: \$3,986.4M NOPAT: \$1,313.8M \$9.924.7M **Total Invested Capital:** Return on Capital: 13.18% Cost of Capital: 5.50%

\$765.8M

\$13,139.1M

\$23,849.0M

-\$785.1M

Investment Summary

• We are initiating research coverage of Gap with a Neutral rating. The Gap, Inc. (GPS-US) is an international apparel retailer with a portfolio of established international brands, including Gap, Old Navy, Banana Republic, Athleta and Intermix. Gap is in the midst of turning around operations at its flagship Gap stores and its Banana Republic concept, both of which have been a drag on the company's Performance metrics. Under the leadership of new CEO Art Peck, we are optimistic that management's steps to strengthen these operations will be successful; however these turnaround efforts are in their early stages and until tangible signs begin to manifest themselves in our Performance metrics, we find the risk to reward balanced at these levels.

Tigress Financial Partners LLC - Member of FINRA / MSRB / SIPC Research: (646) 780-8880 research@tigressfp.com



July 10, 2015 Page 2 of 12

Gap, Inc. (GPS-US)

Investment Analysis

Revitalizing the Gap Brand:

• Management has successfully implemented "fabric platforming" in Old Navy stores and looks to duplicate the process for the Gap brand. Stefan Larsson, Global President of Old Navy, was part of the team for growing H&M, the pioneer of "fabric platforming" and has similarly changed Old Navy into a "fabric platforming" apparel company after his hire in 2012. Larsson's experience will prove instrumental in guiding Gap during this transition. CEO Art Peck will also have important work to do to fix the stagnation currently experienced by Gap Stores. His first achievement must be to reduce the 10 month turnaround to get designed products into retail stores closer to the 3 month model that H&M currently operates. Peck also is stressing the importance of moving Gap ahead of H&M through mobile technology advancements. Mobile technology implementation is being studied via rapid prototyping, which will allow Gap to test many different possibilities before a full scale rollout and we like the strategic direction this plan will put Gap on.

Project 3.0:

Project 3.0 is an opportunity for Gap to drive future economic growth. Gap's current retail model calls for designers to create clothing, and then source material, create apparel, and ship to store. "Project 3.0" will call for Gap to buy large quantities of fashion-forward fabric first, which it will then design clothing with. This model improves sales margins over the more traditional design first mode by increasing sales on full price items, lowering sales on discounted items, reducing wasted and unwanted product, and improving overall sales per quarter by being able to produce items that are fashionable when consumers want them. We think "Project 3.0" will lead to better inventory management, stronger sales volumes, and improved operating margins which will in turn drive economic profit growth and greater shareholder value. While this turnaround story is promising, we are issuing a Neutral rating because Gap is still in the infancy stage of this process and we would like to see tangible and timely performance metric improvements to be confident the new system will be able to succeed and bring value to shareholders over the long run.

Strong Valuation Metrics are coupled with subpar Performance metrics and low Quality metrics.

■ Performance metrics mirror tepid top-line growth. Gap's Performance Score ranks in the 43rd percentile in our entire universe of stocks. Gap's EBITDAR Margin is in the 86th percentile of our 2,200 companies and the highest of Gap's peers at 24.51%, and outperformed the industry and market medians at 16.38% and 20.63%, respectively. Sales Growth of 0.77% was the lowest in the peer group and below the industry median of 5.43 and market median of 6.45, ranking Gap's sales growth in the 26th percentile of our universe. Coupled with a negative acceleration in Economic Profit of -0.2% which also was below industry medians at 0.3% and market median at 0.5%, Gap scored poorly in our model.

Tigress Financial Partners LLC - Member of FINRA / MSRB / SIPC
Research: (646) 780-8880 research@tigressfp.com
500 Fifth Avenue New York, NY 10110 (212) 430-8700 www.tigressfinancialpartners.com



July 10, 2015 Page 3 of 12

- Quality Metrics indicate Gap' Stagnation and the need for Project 3.0. Gap's 70th percentile rank in Beta of 1.02 was higher than the industry median at .82, the market median at 1, and all of its competitors. Similarly, Total Debt / Total Capital for Gap of 70.85% was the highest among all of its competitors, and well above the industry median 58% and the market median 40%, with a poor 78th percentile rank. These poor metrics are the main reason why the overall quality score was in the 70th percentile for the 2,200 companies in our universe.
- Valuation metrics indicate room for stock growth. Gap's Valuation Score estimates the company to be more cheaply valued than 75% of our universe of stocks. Gap's valuation ratios are relatively cheap, with EV/EBITDAR of 6.02X and EV/NOPAT of 17.99X both well below the industry median of 9.04X and 25.22X respectively, indicating it is undervalued with respect to its peers, especially considering the growth nature of Project 3.0. We are optimistic in management's decision to restructure to a successful modern apparel model, which should raise sales growth and increase future economic profit.



July 10, 2015 Page 4 of 12

Economic Statements

Gap, Inc. (GPS-US)

Economic Financial Statements							
Report Basis	LTM	LTM	LTM	5 Yr	3 Yr		
Reported Period Ending	05/04/2013	05/03/2014	05/02/2015	Average	Average _.		
Net Sales Revenue	\$15,893.0	\$16,193.0	\$16,318.0	\$15,555.0	\$16,134.7		
Sales Growth	7.81%	1.89%	0.77%	2.57%	3.49%		
Operating Cash Flow (EBITDAR)	\$4,005.9	\$3,984.0	\$3,990.9	\$3,842.6	\$3,993.6		
EBITDAR Margin	25.21%	24.60%	24.46%	24.71%	24.76%		
EBITDAR Growth	18.41%	-0.55%	0.17%	1.41%	6.01%		
Net Operating Profit After Tax (NOPAT)	\$1,496.7	\$1,453.9	\$1,399.6	\$1,363.8	\$1,450.1		
NOPAT Margin	9.42%	8.98%	8.58%	8.76%	8.99%		
NOPAT Growth	39.35%	-2.86%	-3.74%	2.37%	10.92%		
Cash & Equivalents	\$1,610.0	\$1,544.0	\$1,234.0	\$1,780.4	\$1,462.7		
Total Assets	\$7,439.0	\$7,695.0	\$7,495.0	\$7,645.6	\$7,543.0		
Net Assets	\$4,408.0	\$4,429.0	\$4,231.0	\$4,545.4	\$4,356.0		
Net Operating Assets	\$9,894.7	\$9,942.9	\$9,907.8	\$9,723.1	\$9,915.1		
Debt & Debt Equivalents	\$6,733.7	\$6,906.9	\$7,028.8	\$6,635.5	\$6,889.8		
Equity & Equivalents	\$3,161.0	\$3,036.0	\$2,879.0	\$3,172.8	\$3,025.3		
Total Capital - Financing Sources	\$9,894.7	\$9,942.9	\$9,907.8	\$9,808.3	\$9,915.1		
Capital Adjustments	\$0.0	\$0.0	\$0.0	(\$85.2)	\$0.0		
Net Capital Financing Sources	\$9,894.7	\$9,942.9	\$9,907.8	\$9,723.1	\$9,915.1		
Capital Structure							
Debt & Debt Equivalents	\$6,733.7	\$6,906.9	\$7,028.8	\$6,635.5	\$6,889.8		
Debt & Debt Equivalents % of Market Value	27.16%	28.24%	29.43%	29.32%	28.26%		
Preferred Equity	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0		
Preferred Equity % of Market Value	0.00%	0.00%	0.00%	0.00%	0.00%		
Market Value of Common Equity	\$18,058.3	\$17,550.9	\$16,856.6	\$15,992.8	\$17,488.6		
Common Equity % of Market Value	72.84%	71.76%	70.57%	70.68%	71.74%		
Total Economic Market Value (MV)	\$24,792.1	\$24,457.8	\$23,885.3	\$22,628.3	\$24,378.4		
Excess Cash	\$815.4	\$734.4	\$418.1	\$1,002.7	\$655.9		
Economic Enterprise Value	\$23,976.7	\$23,723.5	\$23,467.2	\$21,625.7	\$23,722.5		
	00 = 0= 5	00.010.0	40.000.0	40.500.5	40.050		
Average Capital	\$9,707.9	\$9,918.8	\$9,925.3	\$9,583.3	\$9,850.7		
Capital ∆	\$373.8	\$48.2	(\$35.1)	\$279.6	\$128.9		

Tigress Financial Partners LLC - Member of FINRA / MSRB / SIPC Research: (646) 780-8880 research@tigressfp.com



July 10, 2015 Page 5 of 12

Gap, Inc. (GPS-US)

Economic Financial Statements Report Basis LTM LTM 5 Yr						
Reported Period Ending	05/04/2013	05/03/2014	05/02/2015	Average	3 Yr Average	
					<u> </u>	
Return on Capital (NOPAT / Average Capital)	15.42%	14.66%	14.10%	14.24%	14.73%	
Cost of Capital (WACC)	6.17%	6.03%	5.49%	5.81%	5.90%	
Economic Profit (EP)	\$897.7	\$856.0	\$855.0	\$807.9	\$869.6	
Performance Drivers						
Sales Growth	7.81%	1.89%	0.77%	2.57%	3.49%	
EBITDAR Margin	25.21%	24.60%	24.46%	24.71%	24.76%	
EBITDAR Growth	18.41%	-0.55%	0.17%	1.41%	6.01%	
NOPAT Margin	9.42%	8.98%	8.58%	8.76%	8.99%	
NOPAT Growth	39.35%	-2.86%	-3.74%	2.37%	10.92%	
Economic Profit Margin on Sales (EP / Sales)	5.65%	5.29%	5.24%	5.18%	5.39%	
Economic Profit Growth	46.80%	-4.64%	-0.11%	4.18%	14.01%	
Economic Return Spread (ROC-WACC)	9.25%	8.63%	8.61%	8.43%	8.83%	
Capital Turns	1.61X	1.63X	1.65X	1.60X	1.63	
EVC Acceleration Spread	3.03%	-0.43%	-0.01%	0.14%	0.85%	
Did Ford						
Risk Factors	• • • • • •	*	.			
Free Cash Flow (NOPAT - \(\Delta \) Capital)	\$1,122.9	\$1,405.8	\$1,434.7	\$1,084.2	\$1,321.1	
Free Cash Flow Rate (FCF / Capital)	11.35%	14.14%	14.48%	11.08%	13.32%	
Free Cash Flow Yield (FCF / MV)	4.53%	5.75%	6.01%	4.70%	5.43%	
Total Debt / Total Capital	68.05%	69.47%	70.94%	68.19%	69.49%	
Total Debt / EBITDAR	168.10%	173.36%	176.12%	173.32%	172.53%	
Excess Cash	\$815.4	\$734.4	\$418.1	\$1,002.7	\$655.9	
Financial Leverage ((Total Debt - Excess Cash) / MV)	23.87%	25.24%	27.68%	24.78%	25.60%	
Pension Leverage (Net Pension Liability / MV)	0.00%	0.00%	0.00%	0.00%	0.00%	
Beta	1.02	1.02	1.01	1.02	1.02	
Valuation Measures						
	\$14,897.3	\$14,514.9	\$13,977.6	\$12,905.2	\$14,463.3	
Market Value Created MVC (MV - Capital)	93.74%	89.64%	85.66%	82.97%	89.64%	
MVC Margin (MVC / Sales)						
MVC Spread (MVC / Capital)	150.56%	145.98%	141.08%	132.73%	145.87%	
Future Growth Value (MVC - EVA Value)	\$537.2	\$340.7	(\$1,624.4)	(\$865.8)	(\$222.2	
Dividend Yield	1.35%	1.96%	2.22%	F 00V	F 0 4)	
EV/EBITDAR Multiple	5.99X	5.95X	5.88X	5.63X	5.94	
EV/NOPAT Multiple	16.02X	16.32X	16.77X	15.86X	16.36	
Future Growth Value (% of MV)	2.17%	1.39%	-6.80%	-3.83%	-0.91%	
Source: Company Data, Financial statements and Tigres	s Research					

Tigress Financial Partners LLC - Member of FINRA / MSRB / SIPC Research: (646) 780-8880 research@tigressfp.com

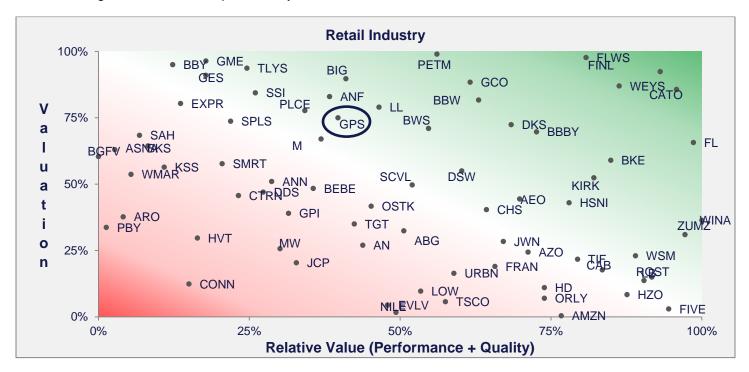


July 10, 2015 Page 6 of 12

Quantitative Analysis

Gap, Inc. (GPS-US)

• Gap ranks 33rd out of 74 Retail companies in our universe, as seen below in the chart ranked by overall Investment Score. In the matrix plot, Gap is in the Neutral zone bolstered by Valuation, but bogged down by average Performance and poor Quality.



Retail Industry							
			Performance	Quality	Valuation	Investment Score	
28	HD	Home Depot, Inc.	87%	37%	11%	59%	
29	ORLY	O'Reilly Automotive, Inc.	93%	24%	7%	59%	
30	FRAN	Francesca's Holdings Corporation	75%	45%	19%	57%	
31	SCVL	Shoe Carnival, Inc.	40%	69%	50%	55%	
32	URBN	Urban Outfitters, Inc.	59%	61%	16%	53%	
33	GPS	Gap, Inc.	41%	28%	78%	53%	
34	ANF	Abercrombie & Fitch Co. Class A	29%	56%	83%	52%	
35	TSCO	Tractor Supply Company	77%	17%	6%	51%	
36	PLCE	Children's Place, Inc.	13%	91%	75%	49%	
37	ABG	Asbury Automotive Group, Inc.	67%	11%	32%	48%	

Tigress Financial Partners LLC - Member of FINRA / MSRB / SIPC

Research: (646) 780-8880 research@tigressfp.com

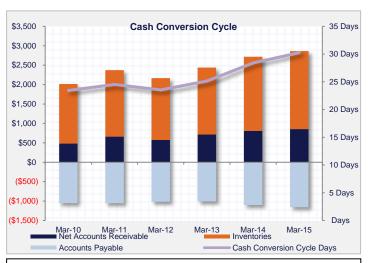
500 Fifth Avenue New York, NY 10110 (212) 430-8700 www.tigressfinancialpartners.com



July 10, 2015 Page 7 of 12

Charts

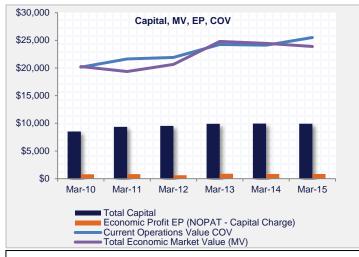
Gap, Inc. (GPS-US)



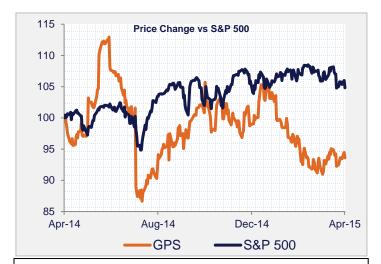
Increasing Cash Conversion Cycle Days; increasing net accounts receivable.



Relatively flat sales combined with no growth in Economic Profit Margin are indicators of a flat stock price.



Decreasing Economic Profit, Total Capital and Current Operations Value, but the Market Value continues to improve, we believe undeservedly.



Gap returned -6.23% in the LTM including dividends, underperforming the S&P 500 by 12.1%. We expect the shares to keep up with the S&P 500 in the NTM.

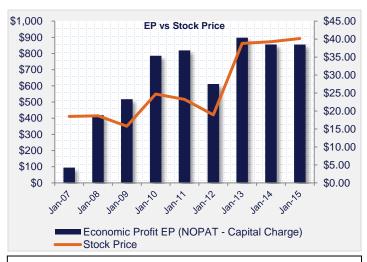
Tigress Financial Partners LLC - Member of FINRA / MSRB / SIPC Research: (646) 780-8880 research@tigressfp.com



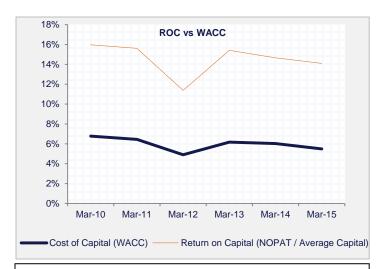
July 10, 2015 Page 8 of 12

Charts

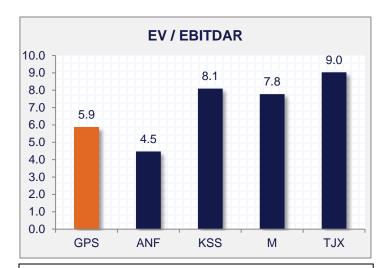
Gap, Inc. (GPS-US)



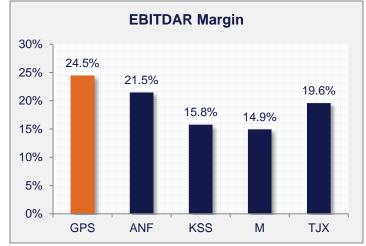
Gap's Economic Profit and Stock Price have been very strongly correlated in the past; unfortunately, EP has been flat giving us confidence stock price will be flat in the NTM.



Declining Return on Capital which is a negative indicator for performance, although the decline has been minimal.



Middle of the peer group valuation wise with an EV/EBITDAR of 5.9x.



Relatively strong EBITDAR Margin, the best in this peer group at 24.5%.

Tigress Financial Partners LLC - Member of FINRA / MSRB / SIPC

Research: (646) 780-8880 research@tigressfp.com

500 Fifth Avenue New York, NY 10110 (212) 430-8700 www.tigressfinancialpartners.com



July 10, 2015 Page 9 of 12

Tigress Research Methodology Overview

We employ proprietary quantitative valuation models combined with dynamic fundamental analysis based on the principles of Economic Profit to formulate timely and insightful investment ratings, analysis, strategies and recommendations.

We make key adjustments to reported financial data eliminating GAAP-based accounting distortions and measuring all companies on a cash operating

Our proprietary research framework is a multi-factor model that scores and ranks companies based on their risk-adjusted ability to create Economic Profit relative to their current market value focusing on three key components:

Business Performance: Measuring economic profitability, growth and operating efficiency.

Risk: Measuring business sustainability, volatility, strength and consistency.

Valuation: Linking business performance to market value. Measuring value created relative to capital employed and enterprise multiples of economic profit and cash flow.

We score and rank 24 key measurements of performance, risk and value into relative market and industry investment recommendations.

For more information on our research methodology, please review the Tigress Investment Research Guide to Company Valuation and Analysis.

Glossary of Key Terms and Measures

Excess Cash per Share: Excess Cash per Share is the amount of excess cash divided by basic shares outstanding. Excess Cash consists of

all cash and short-term securities less operating cash needed to run the business. Operating Cash is 5% of TTM net

sales revenue.

EBITDAR: Earnings Before Interest, Taxes, Depreciation, Amortization, and Restructuring and Rent Costs. This is especially

important when comparing companies that use a significant amount of leased assets like restaurants and retailers.

NOPAT: Net Operating Profit after Tax. Represents a company's after-tax cash operating profit excluding financing costs.

Total Invested Capital: Total Invested Capital the total cash investment that shareholders and debt holders have made during the life of

company.

Return on Capital: Return on Capital equals NOPAT divided by Total Invested Capital. It is a key measure of operating efficiency. ROC

quantifies how well a company generates cash flow relative to the capital invested in its business.

Cost of Capital: Is the proportionately weighted cost of each category of capital – common equity, preferred equity and debt.

Economic Profit: Economic Profit is the net operating income after tax less the opportunity cost of the total capital invested. It is the

most important driver of shareholder value.

Current Operations Value: Current Operations Value is the portion of market value based on the discounted present value of the current

earnings stream assuming it remains constant forever.

Future Growth Value: Future Growth Value is the portion of market value based on un-earned Economic Profit

For more information on the key terms and measures, please review the Tigress Investment Research Guide to Company Valuation and Analysis.



July 10, 2015 Page 10 of 12

Contacts Ivan Feinseth

Chief Investment Officer (212) 430-8730 Direct

ifeinseth@tigressfp.com

Brian O'Sullivan Managing Director, Trading (646) 798-8453 Direct

bosullivan@tigressfp.com

Philip Van Deusen **Director of Research** (646) 862-2909 Direct

pvandeusen@tigressfp.com

Ernest Williams

Institutional Sales & Trading

(646) 862-2912 Direct

ewilliams@tigressfp.com

Chris DeCarolis Research Associate (646) 402-6695 Direct cdecarolis@tigressfp.com

Analyst Certification

I, Philip Van Deusen, hereby certify that the views expressed herein accurately reflect my personal views about the subject company and their securities and that I have not been and will not be directly or indirectly compensated for expressing specific recommendations or views in the report.

Research Disclosures

Employees, officers, directors and shareholders of Tigress Financial Partners LLC and of any of Tigress Financial Partners LLC affiliated entities that are not directly involved with the production of any Tigress Research report (s) and / or their family members may buy / sell or hold securities for their own accounts contrary to the current recommendation expressed in any report published by Tigress Research.

Tigress Financial Partners LLC as well as affiliates of Tigress Financial Partners LLC provide or may seek to provide investment banking, consulting and / or other services to the companies and / or the officers, directors, and employees of the companies that are the subject of research reports published by Tigress Research.

Tigress Financial Partners research personnel, including the analyst(s) responsible for the production of this report receive compensation based upon the overall profitability of the entire firm including profits derived from investment banking revenues.

Tigress Research Investment Rating Meanings and Distribution

Tigress Research employs a five-tier rating system for evaluating the investment opportunity and potential return associated with owning the common equity of rated firms within our research

potential return associated with owning the common equity of rated firms within our research universe. The potential return is measured on a relative basis to the general market which is represented by the S&P 500 and to the subject company's industry peer group as indicated.		Companies Under Coverage		Relationship Companies Under Coverage*		
Rating:	Meaning:		#	%	#	%
Strong Buy:	Expect significant price gains in the price of the stock relative to its industry peer group and general market over the next 12 months.		22	17%	0	0%
Buy:	Expect out-performance for the price of the stock relative to its industry peer group and general market over the next 12 months.		60	46%	3	60%
Neutral:	Expect little or no outperformance opportunity over the next 12 months.		41	31%	2	40%
Underperform:	Expect underperformance for the price of the stock relative to its industry peer group and general market over the next 12 months.		6	5%	0	0%
Sell:	Expect price decline or significant relative market and industry underperformance over the next 12 months.		2	2%	0	0%
Partners LLC or or investment banking	panies under research coverage are companies in which Tigress Financial ne of its affiliates has received compensation for investment banking or nongeservices from the company, affiliated entities and / or its employees within the sor expects to do so within the next three months.	Total	131	100%	3	100%

Tigress Financial Partners LLC - Member of FINRA / MSRB / SIPC Research: (646) 780-8880 research@tigressfp.com



July 10, 2015 <u>Page</u> 11 of 12

Specific Disclosures for the companies that are the subject of this Report

Company: Disclosure:

Key Disclosure:

- 1. The Analyst or a household member responsible for the production of this report currently holds a position in securities of the company that is the primary subject of this report in a personal, related or beneficial account.
- The Analyst or a household member responsible for the production of this report beneficially owns one percent or more in securities of the company that is the primary subject of this report in a personal, related or beneficial account.
- 3. Tigress Financial Partners LLC together with its affiliates beneficially owns one percent or more of the security that is the primary subject of this report.
- 4. The Analyst or a household member responsible for the production of this report currently serves as an officer, director or advisory board member of the company that is the primary subject of this report.
- An employee of Tigress Financial Partners LLC, its affiliates or subsidiaries currently serves as an officer, director or advisory board member of the company that is the primary subject of this report.
- 6. Tigress Financial Partners LLC, its affiliates or subsidiaries is acting as manager/co-manager, underwriter, selling group member, placement or sales agent in regard to an offering of securities of this subject company/entity or one of its affiliates.
- 7. Tigress Financial Partners LLC, its affiliates or subsidiaries has acted as manager/co-manager, underwriter, selling group member, placement or sales agent in regard to an offering of securities of this subject company/entity or one of its affiliates within the past 12 months.
- 8. Tigress Financial Partners LLC or an affiliated entity currently receives compensation for non-investment banking services from the company and / or employees and / or affiliated persons of the company that is the primary subject of this report.
- 9. Within the last 12 months, Tigress Financial Partners LLC, or an affiliated entity has received compensation for investment banking services from the company that is the primary subject of this report.
- 10. Within the last 12 months, Tigress Financial Partners LLC, or an affiliated entity has received compensation for non-investment banking services from the company that is the primary subject of this report.
- 11. Within the last 12 months, Tigress Financial Partners LLC, or an affiliated entity has received compensation for non-investment banking services from employees and / or affiliated persons of the company that is the primary subject of this report.
- 12. In the next 3 months, Tigress Financial Partners LLC, or an affiliated entity, expects to receive compensation for investment banking services from the company that is the primary subject of this report.
- 13. In the next 3 months, Tigress Financial Partners LLC, or an affiliated entity, expects to receive compensation for non-investment banking services from the company that is the primary subject of this report.
- 14. Accounts managed by Tigress Capital Advisors LLC, and / or an employee or an affiliated entity currently hold a position in the security that is the primary subject of this report.
- 15. Tigress Financial Partners LLC and /or an affiliated entity currently has contracted the products and / or services of the company that is the primary subject of this report.



July 10, 2015 Page 12 of 12

Research Report Disclaimer

This report is produced for informational purposes only and is not a solicitation to buy or sell any securities or services from any companies or issuers mentioned herein or to participate in any particular trading strategy or in any jurisdiction in which such an offer or solicitation would violate applicable laws or regulations.

Tigress research is distributed in the United States by Tigress Financial Partners LLC a registered broker dealer with the Securities and Exchange Commission (SEC) and a member of the Financial Industry Regulatory Authority (FINRA) and in Brazil by Gradual Investmentos, Gradual CCTVM S/A, a financial institution authorized by the Central Bank of Brazil.

The information contained herein has been obtained or derived from sources believed to be reliable but its accuracy and completeness is not guaranteed and should not be the sole basis of any investment decision but only to be used as a factor in the investment decision process.

This report does not provide individually tailored investment advice and has been prepared without regard to the individual financial circumstances and investment objectives of any person(s) receiving it. The analysis and conclusions herein are not a complete analysis of every material fact respecting any company, industry, or security. The opinions expressed in this report reflect the judgment of the author(s) at this date and are subject to change without further notice. Tigress Financial Partners is under no obligation to provide updates to recipients of any previously issued reports or recommendations.

The market value and expected income from any investment may vary because of changes in interest rates or foreign exchange rates, securities prices or market indexes, operational or financial conditions of the underlying companies or other factors. Past performance is not indicative of future performance. Estimates of future performance, research ratings and target prices are based on assumptions that may not be realized. Unless otherwise stated, the cover page provides the most recently available closing price on the primary exchange for the subject company's securities/instruments.

Securities are offered through Tigress Financial Partners LLC a SEC Registered Broker Dealer and a member of FINRA / MSRB / SIPC which clears its securities transactions and provides custody of client accounts on a fully disclosed basis through Pershing LLC, a subsidiary of The Bank of New York Mellon.

Securities in your account are protected up to \$500,000 of which \$250,000 can be for claims for cash awaiting reinvestment. Please note that SIPC does not protect against loss due to market fluctuation. For additional information please go to www.sipc.org.

In addition to SIPC protection, Pershing provides Tigress Financial Partners LLC client accounts coverage in excess of SIPC limits from Lloyd's of London, in conjunction with other insurance companies. The excess of SIPC coverage provides an aggregate loss limit of \$1 billion for eligible securities over all client accounts and a per-client loss limit of \$1.9 million for cash awaiting reinvestment within the aggregate loss limit of \$1 billion. The excess of SIPC coverage does not protect against loss due to market fluctuation. For additional information please go to www.lloyds.com.

Pershing's excess of SIPC coverage is provided by Lloyd's of London in conjunction with XL Specialty Insurance Co., Axis Specialty Europe Ltd., Great Lakes Reinsurance (UK) PLC and Ironshore Specialty Insurance Co.

About Tigress Financial Partners LLC

Tigress Financial Partners is a specialized financial services firm providing expertise and services in investment banking, investment research, asset management, corporate advisory and trade execution services.

Tigress Financial Partners provides its services to corporate entities, institutional investors, high-net worth individual investors, public and private pensions, federal, state and municipal governments.

Tigress Financial Partners LLC is a registered broker dealer with the Securities and Exchange Commission (SEC) and a member of the Financial Industry Regulatory Authority (FINRA), the Municipal Securities Rulemaking Board (MSRB) and the Securities Investor Protection Corporation (SIPC).

Tigress Financial Partners LLC is a Woman-Owned Business Enterprise (WBE) and is nationally certified by WBENC, the Women's Business Enterprise National Council.

Tigress Financial Partners LLC is a wholly-owned subsidiary of Tigress Holdings LLC and Gradual Holding Financeira S.A.

For further information please go to www.tigressfinancialpartners.com.

No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise without prior expressed permission in writing from Tigress Financial Partners LLC.

All trademarks, service marks and logos used in this report are trademarks or service marks or registered trademarks or service of their respective owners.

© 2015 Tigress Financial Partners LLC. All Rights reserved.

Tigress Financial Partners LLC - Member of FINRA / MSRB / SIPC Research: (646) 780-8880 research@tigressfp.com