

# Undergraduate Student Managed Fund Fall 2018 Portfolio Report Team Terrion-Wilkos

## Introduction

Co-Lead Managers: Matthew Arons & Austin Langer

Portfolio Manager: Alana Phillips

Communication Manager: Trent Nobile

Web Manager: Sean Homa

Matthew Arons Harrison Newman

Sean Homa Trent Nobile

Austin Langer Alana Phillips

Sharon Liu John Quevreaux

Samantha Martin Zachary Yellen

**Undergraduate Supervisor:** Patrick Terrion & Christopher Wilkos

Fund Director: Chinmoy Ghosh



# **Agenda**



Portfolio Overview



**Investment Process** 



**Economic Overview** 



Portfolio Performance & Sector Overview



**Current Holdings & Future Outlook** 



# Portfolio Overview



## **Portfolio Overview**



## Philosophy

Managers invest with a 10-year time horizon to outperform the S&P 500 by finding investments that have been inefficiently valued by the market



## **Investment Style**

Managers use a bottom up security selection to find investments which are fundamentally undervalued by the market through research and financial modeling



## Strategy

Managers review their specific sector assignments to find companies with strong balance sheets and business models that have a sufficient margin of safety





We look for companies that exhibit strong financials, attractive valuations, and many of the following **competitive advantages**:

*Innovative* 





**Brand Leadership** 





High Barriers for Entry





**Growth-Oriented Business Model** 





### **Key Points of Emphasis During Weekly Pitches**

Competitive Advantage

- Is their recent success a fad or new trend?
- Example: Corporate strategy that has made ULTA unique in the beauty space

International Demand

- How can a name brand company keep growing consistently?
- Example: AXP can benefit from the increasing use of cards globally



Perpetuity
Growth Rate

- SMF Managers started the year in a valuation-high environment
- Example: PLD was pitched at a previous all-time high



**Risk Management** 

# **Detailed Analysis**

• Careful financial research conducted in advance of investment decisions



# **Stop-Loss Orders**

• 25% minimum stop-loss orders to account for recent market volatility



# Margin of Safety

Utilize the Graham-Dodd concept of margin of safety





# **Economic Overview**



## **Economic Outlook - U.S**

#### **GDP Growth**

Consumer Confidence

#### Inflation

# **Private Fixed**

3.5% Q3 growth

Projections of 3.1% 2018 GDP growth

# **Employment**

3.7% Oct (Update for Nov soon)

2.8% Q3 Wage Growth

135.7 in Nov.

Close to the previous 18-year Oct. high

2.0% Core PCE YoY

10 year TIPS spread at 1.91%

Investment

Up 8.1% YoY Q3

Manufacturing output increased for 5th straight month in Oct.

Modest growth with tightening labor market below the natural rate of employment expected to keep inflation at the Federal Reserve target of 2%



# Portfolio Performance

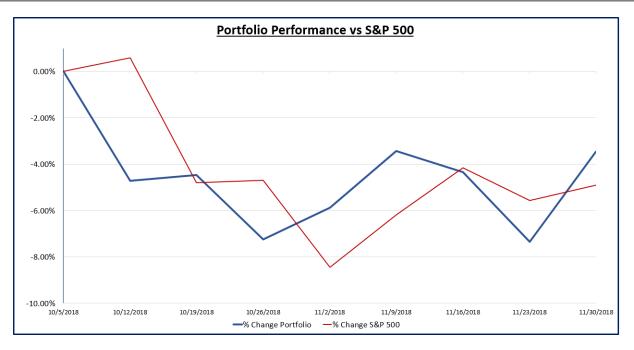


# **Sector Allocation**

Sector	Target %	% of Total Portfolio	% of Invested Portfolio	S&P 500 Sector Weight
Basic Materials	2.00%	0.00%	0.00%	2.50%
Consumer Discretionary	15.00%	5.30%	12.38%	10.16%
Consumer Staples	7.00%	0.00%	0.00%	6.74%
Energy	7.00%	0.00%	0.00%	6.02%
Financials	12.00%	7.87%	18.39%	13.71%
Industrials	10.00%	6.32%	14.78%	9.73%
Technology	15.00%	4.26%	9.97%	20.84%
Healthcare	10.00%	0.00%	0.00%	14.90%
Real Estate	7.00%	6.12%	14.30%	2.65%
Utilities	5.00%	0.00%	0.00%	2.82%
Communication Services	10.00%	12.91%	30.18%	9.93%
Cash		1.31%		
Total	100.00%	44.10%	100.0%	100.0%



## **Portfolio Performance**



	Undergraduate Portfolio		S&P 500 ET	F (SI	PY)
Beginning Value	\$	1,368,035	Beginning Value	\$	289.84
Current Value	\$	1,321,015	Current Value	\$	275.65
Absolute Change	\$	(47,020)	Absolute Change	\$	(14.19)
% Change		-3.44%	% Change		-4.90%
Difference in Perf	ormance				1.46%

Equity vs. S&P 500 Performance					
Total Portfolio Performance	-3.44%				
S&P 500 Performance	-4.90%				
Equity Performance	0.80%				



## **Total Portfolio Unrealized Gains**

<u>Portfolio</u>															
<u>Ticker</u>	<u>Name</u>	Sector	<b>Dividend Yield</b>	Date Purchased	<u>Shares</u>	Purc	hase Price		<u>Price</u>	<u>c</u>	ost Basis	Market Value	% of Portfolio	<u>Change</u>	% Change
SPY	SPDR S&P 500 ETF		1.83%	10/1/2018	2,679	\$	289.84	\$	275.65	\$	776,481	\$ 738,466	55.90%	\$ (38,015)	-4.90%
ULTA	Ulta Beauty Inc	Consumer Discretionary	0.00%	10/3/2018	235	\$	279.77	\$	297.79	\$	65,746	\$ 69,981	5.30%	\$ 4,235	6.44%
AXP	American Express	Financials	1.41%	10/3/2018	926	\$	108.96	\$	112.27	\$	100,897	\$ 103,962	7.87%	\$ 3,065	3.04%
DIS	Walt Disney Co.	Telecommunications	1.40%	10/9/2018	700	\$	117.03	\$	115.49	\$	81,921	\$ 80,843	6.12%	\$ (1,078)	-1.32%
EA	Electronic Arts	Technology	0.00%	10/29/2018	670	\$	93.99	\$	84.07	\$	62,973	\$ 56,327	4.26%	\$ (6,646)	-10.55%
PLD	Prologis Inc	Real Estate	2.98%	11/6/2018	1,200	\$	64.99	\$	67.34	\$	77,988	\$ 80,808	6.12%	\$ 2,820	3.62%
LMT	Lockheed Martin Corporation	Industrials	2.50%	11/8/2018	75	\$	309.32	\$	300.43	\$	23,199	\$ 22,532	1.71%	\$ (667)	-2.87%
LMT	Lockheed Martin Corporation	Industrials	0.00%	11/13/2018	203	\$	304.76	\$	300.43	\$	61,866	\$ 60,987	4.62%	\$ (879)	-1.42%
GOOG	Alphabet Inc. Class C	Communication Services	0.00%	11/15/2018	82	\$	1,049.96	\$	1,094.43	\$	86,097	\$ 89,743	6.79%	\$ 3,647	4.24%
CASH					17,366			\$	1.00			\$ 17,366	1.31%		
								Tot	al	\$	1,337,169	\$ 1,321,015.27	100.00%	\$ (33,518.85)	-3.44%

	<u>Equity Portfolio</u>																
<u>Ticker</u>	<u>Name</u>	Sector	<b>Dividend Yield</b>	Date Purchased	<u>Shares</u>	Pu	ırchase Price	Pric	<u>ce</u>	Cos	st Basis	Ma	rket Value	% of Portfolio	Change		% Change
ULTA	Ulta Beauty Inc.	Consumer Discretionary	0.00%	10/3/2018	235	\$	279.77	\$	297.79	\$	65,746	\$	69,981	12.38%	\$	4,235	6.44%
AXP	American Express	Financials	1.41%	10/3/2018	926	\$	108.96	\$	112.27	\$	100,897	\$	103,962	18.39%	\$	3,065	3.04%
DIS	Walt Disney Co.	Telecommunications	1.40%	10/9/2018	700	\$	117.03	\$	115.49	\$	81,921	\$	80,843	14.30%	\$	(1,078)	-1.32%
EA	Electronic Arts	Technology	0.00%	10/29/2018	670	\$	93.99	\$	84.07	\$	62,973	\$	56,327	9.97%	\$	(6,646)	-10.55%
PLD	Prologis Inc	Real Estate	2.98%	11/6/2018	1,200	\$	64.99	\$	67.34	\$	77,988	\$	80,808	14.30%	\$	2,820	3.62%
LMT	Lockheed Martin Corporation	Industrials	2.50%	11/8/2018	75	\$	309.32	\$	300.43	\$	23,199	\$	22,532	3.99%	\$	(667)	-2.87%
LMT	Lockheed Martin Corporation	Industrials	0.00%	11/13/2018	203	\$	304.76	\$	300.43	\$	61,866	\$	60,987	10.79%	\$	(879)	-1.42%
GOOG	Alphabet Inc. Class C	Communication Services	0.00%	11/15/2018	82	\$	1,049.96	\$	1,094.43	\$	86,097	\$	89,743	15.88%	\$	3,647	4.24%
CASH					17,366			\$	1.00			\$	17,366	3.07%			
								То	tal	\$	560,687	\$	565,183	100.00%	\$	4,496	0.80%

Total Dividend Yield	1.44%
<b>Equity Dividend Yield</b>	0.99%



# **Sector Overview**



## **Communication Services**

### Performance:

 Decreased 9.91% since 6/19/18

#### • Future outlook:

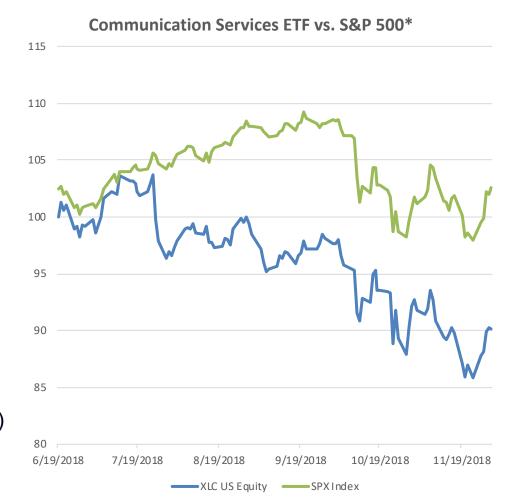
- Saturation of top performers
- More wireless product demand

### • Risks:

- New expenses with faster networks
- Content creation slowdown

## Current Holdings:

- Disney (NYSE: DIS)
- Electronic Arts(NASDAQ: EA)
- Alphabet (NASDAQ: GOOG)





# **Consumer Discretionary**

### Performance:

Increased 4.87% YTD

#### Future outlook:

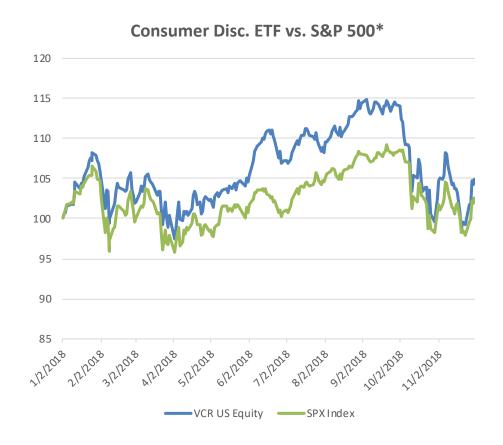
- Increasing wage growth
- Shift from retail to online

### • Risks:

- Consolidation of industry
- Trade disputes could raise prices

## Current holdings:

Ulta Beauty (NASDAQ: ULTA)





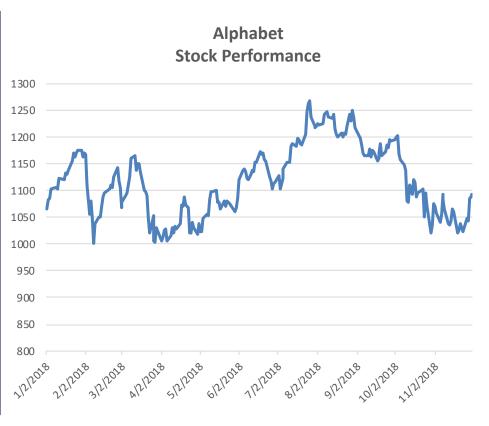
# Individual Holdings



# **Alphabet – Basic Metrics**

# **Alphabet**

Basic Metric						
Purchase Price	\$1049.96					
Current price	\$1094.43					
52 Week High	\$1273.89					
52 Week Low	\$980.64					
Market Capitalization	\$766.04 B					
Dividend Yield	NA					





# Alphabet – Thesis & Risks

# **Alphabet**

#### Thesis

We recommend GOOG based on:

- Strong Business Model: Alphabet is an industry leader that will continue to expand their reach as it generates free cash flow
- Future Focused: Alphabet is focused on investing in artificial intelligence and cloud software to make data of the world easily accessible to everyone
- International Growth: Alphabet is looking east to Asia to continue their growth. Alphabet recently launched a new app called Google Pay in India which has already processed over a billion dollars in payments

#### Risks

- Internal Start-Ups: The majority of Alphabet's "other bets" business segment are in risky markets
- Competition: New companies continue to emerge to compete with Alphabet and could capture some of Alphabet's predominant market share
- Regulation: Alphabet is the number one search engine in the world, and therefore has the risk of being considered a monopoly



# **Ulta Beauty – Basic Metrics**



Basic Metric						
Purchase Price	\$279.77					
Current price	\$297.79					
52 Week High	\$322.49					
52 Week Low	\$191.70					
Market Capitalization	\$17.94 B					
Dividend Yield	NA					





# **Ulta Beauty – Thesis & Risks**



#### Thesis

We recommend ULTA based on:

- Largest Beauty Retailer: ULTA is the premier beauty destination for cosmetics fragrance, skin, hair care products and salon services
- Unmatched Product Breadth: Mix of high and low end products and beauty salon for "the beauty enthusiast"
- Store Growth: Increased its number of stores in the US by 10% in 2018

#### Risks

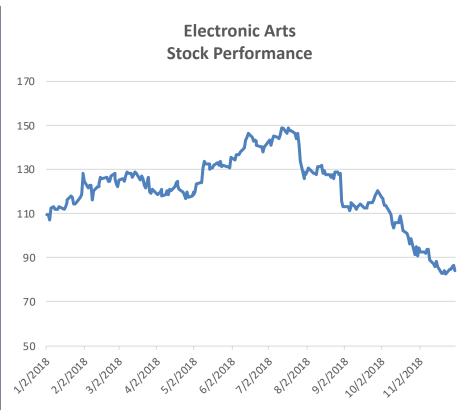
- Real Estate Strategy: Most stores are located in off-mall shopping centers, a decrease in traffic to bigbox stores can slow down customer traffic
- Vendor Partner Relationships: ULTA needs to maintain good relationships to keep access to their exclusive products
- Recognition of Beauty Trends:
   Market trends move fast, not being update can affect ULTA's "cool" factor



## **Electronic Arts – Basic Metrics**



Basic Metric						
Purchase Price	\$93.99					
Current price	\$84.07					
52 Week High	\$151.26					
52 Week Low	\$80.42					
Market Capitalization	\$25.69 B					
Dividend Yield	NA					





## **Electronic Arts – Thesis & Risks**



#### Thesis

We recommend EA based on:

- Franchise Strategy: Well known, strongly branded franchises that can cheaply be leveraged into additional content
- Improving Margins: Growth in digital sales as a percentage of total revenue is driving stronger gross margins by decreasing operating expenses
- Market Overreaction: Delay of Battlefield V title resulted in a market overreaction that was not rooted in long-term business fundamentals

#### Risks

- "Hit" Driven Industry: Highly competitive with respect to consumer attention
- Rapid Technological Changes:
   Older products become outdated and act as an overall disruptive force
- Cybersecurity & Piracy: Poses constant risks due to the digital nature of EA's products



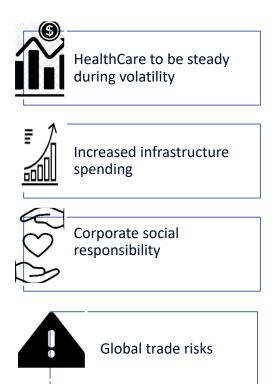
# **Future Outlook**



## **Portfolio Expectations**

We will continue to monitor both marker-wide and company specific trends.

As we move on, we will carefully monitor our current events and actively pursue new investments that fit out investment philosophy



#### Potential Investment Ideas





### **Lessons Learned**

The case method taught in FNCE 4301 along with actively managing over \$1 million develops a key set of soft and hard skills in all student managers:





Higher level thinking

Present and defend a thesis

Working as a team to challenge each other

Financial modeling: DCF, DDM, and Comparable

Individual company analysis

Data analysis: Bloomberg and Value Line



# Appendix



# Questions?



# **Economic Outlook – Central Banks and Global Economy**

#### **Federal Reserve**

- Expected rate hike in December
- Approaching the neutral rate
  - 3 more hikes = 3.0%
- Watching for global demand and fading fiscal stimulus

#### **ECB** and Euro Area

- Asset purchase program ending in Dec.
- Rates to stay at zero in near-term
- Q3 Real GDP growth slowest since 2014
- Inflation expected to dip below 8% in 2019

### China

- Slowing GDP Growth 6.5% YoY
- Deleveraging campaign
- Improved Credit Quality
- Long-Term Growth Plans
  - China 2025
  - Belt and Road Initiative

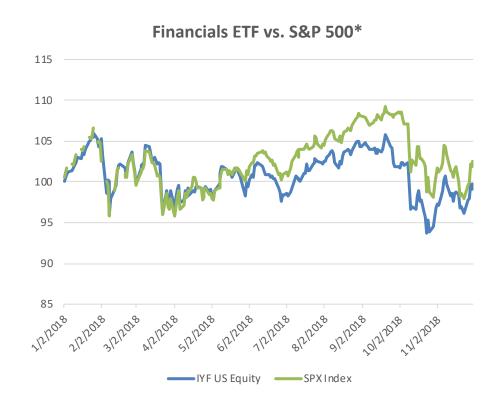
## **Japan**

- GDP contracted 0.3% in Q3
- CPI rose 1.4% YoY
- BoJ revived down long-term inflation forecasts in Oct.



## **Financials**

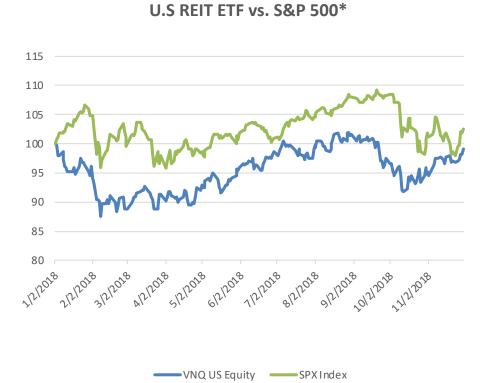
- Performance:
  - Decreased 3.58% YTD
- Future outlook:
  - Increasing interest rates
  - Deregulation and increasing technology
- Risks:
  - Trade war
  - Rising treasury yields
  - BREXIT fallout
- Current holdings:
  - American Express (NYSE: AXP)





## **Real Estate Investment Trust**

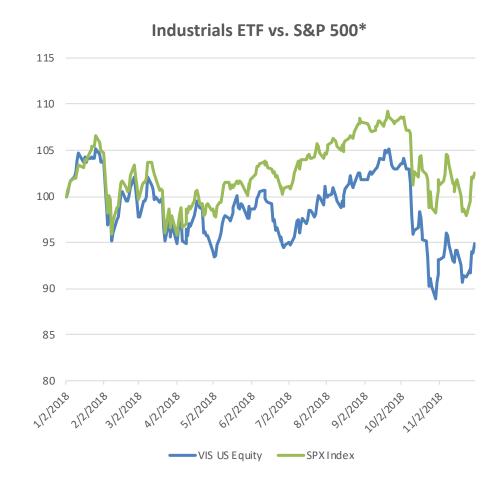
- Performance:
  - Decreased 0.83% YTD
- Future outlook:
  - Consumer spending and distribution is high which promotes industrial segment
- Risks:
  - Increasing interest rates
- Current Holdings:
  - Prologis (NYSE: PLD)





## **Industrials**

- Performance:
  - Decreased 5.19% YTD
- Future outlook:
  - Cash-rich environment leading to investment
  - Low manufacturing inventories imply demand drive rebuilding phase
- Risks:
  - Global fiscal austerity could dampen sector growth
  - Trade war
- Current Holdings:
  - Lockheed Martin (NYSE: LMT)





# **The Walt Disney Company – Basic Metrics**



Basic Metric						
Purchase Price	\$117.03					
Current price	\$115.49					
52 Week High	\$120.20					
52 Week Low	\$97.68					
Market Capitalization	\$171.93 B					
Dividend Yield	1.49%					





# The Walt Disney Company – Thesis & Risks



#### Thesis

We recommend DIS based on:

- Unique Business Model: 4

   interconnected business segments
   and branded entertainment across
   multiple segments
- The Disney Experience: strong brand, loyal customer base, and low sensitivity to price changes
- Direct-to-Consumer Launch:
   ESPN Plus streaming service, 2019
   launch of direct-to-consumer
   streaming platform, and Fox
   acquisition assets will provide large
   content base to help compete with
   other direct to consumer models
   (Netflix, Amazon, etc.)

#### Risks

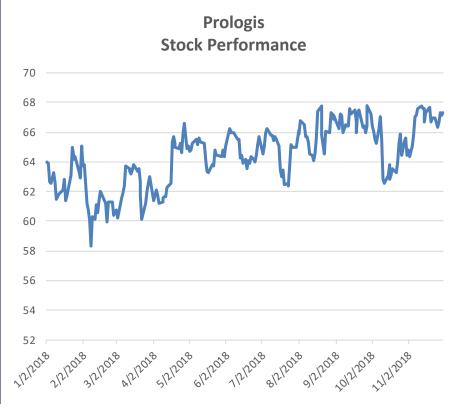
- Economic Outlook: Changes in U.S or Global economic conditions have an impact on consumer spending
- Studio Entertainment: Success of studio entertainment and direct-toconsumer content dependent on consumer tastes and preferences
- Changing Consumer Preferences:
   Reduction in consumer demand for some Media Network content, specifically decline in cable TV popularity among younger generations and households



# **Prologis Inc – Basic Metrics**



Basic Metric						
Purchase Price	\$64.98					
Current price	\$67.34					
52 Week High	\$68.20					
52 Week Low	\$58.28					
Market Capitalization	\$42.39 B					
Dividend Yield	2.89%					





# **Prologis Inc – Thesis & Risks**



#### Thesis

We recommended PLD based on:

- Built-to-Suit Model: design customized distribution center, limits vacancies and productions expenses
- International Expansion: built new facilities in China, Germany, France, and more; diversified Prologis' holdings; and has a presence (ownership or joint-venture) in 19 countries
- Inorganic Growth: purchased one of their biggest competitors (DCT Industrial)

#### Risks

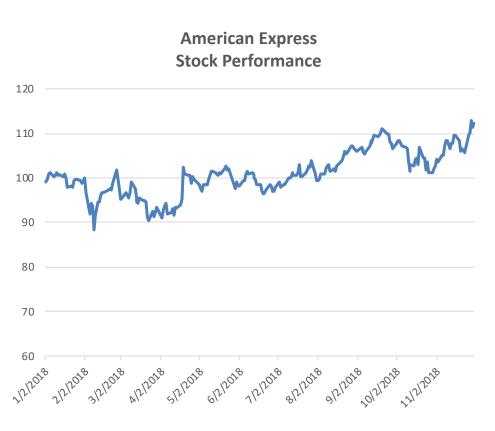
- International Relations: Tariffs and trade disagreements
- Rising Interest Rates: Cost of borrowing makes it harder for business's to expand
- International Demand: A fasterthan-anticipated rise in the supply of distribution facilities, which could lead to an excess capacity, a drop in demand for industrial space



# **American Express – Basic Metrics**



Basic Metric						
Purchase Price	\$108.96					
Current price	\$112.27					
52 Week High	\$113.18					
52 Week Low	\$87.54					
Market Capitalization	\$95.91 B					
Dividend Yield	1.41%					





# **American Express – Thesis & Risks**



#### Thesis

We recommend AXP based on:

- Payments Industry Growth:
   American Express's spend-centric business model will benefit from a positive macroeconomic outlook and the increased use of cards globally
- Industry Leading Innovation:
   American Express is staying above their competition with their improved rewards program, digital and mobile technology integration and capture of millennials
- Premium Brand: American Express will continue to benefit from their industry leading credit quality and closed loop business model

#### Risks

- Co-Branded Cards: American
   Express's arrangements are entered into for a fixed period, generally ranging from five to eight years
- Pricing Pressure: In recent years, global weighted average merchant discount rate has been under increasing pressure
- Credit Risk: Provision for losses increasing in the industry



## **Lockheed Martin- Basic Metrics**



Basic Metric	
Purchase Price	\$309.31 and \$304.76
Current price	\$300.43
52 Week High	\$363.00
52 Week Low	\$283.21
Market Capitalization	\$85.45 B
Dividend Yield	2.98%





## **Lockheed Martin- Thesis & Risks**



#### Thesis

We recommend LMT based on:

- Profitable Business Model: Highly competitive margins, consistent revenue growth, and achievable economics of scale
- Significant Growth Potential: Increase in European defense spending, increase in US defense spending, and strong government relationships
- Game Changing Innovation: Fostering innovative company mindset and potentially worldchanging products under development

#### Risks

- Trade War: International sales risks for abroad business, especially with tariff uncertainty
- Customer Base: They are very dependent on the US government for contracts and revenue, so any changes in government budgets can affect sales
- Competition: Bid protests among contracts have been increasing over the last few years

