









Kratos Defense & Security Solutions, Inc.

(NASDAQ: KTOS)

**Investor Brief** 

January 2017



**NASDAQ: KTOS** 

# Notice Regarding Forward-Looking Statements



Certain statements in this presentation may constitute "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. These forward-looking statements are made on the basis of the current beliefs, expectations and assumptions of the management of Kratos and are subject to significant risks and uncertainty. Investors are cautioned not to place undue reliance on any such forward-looking statements. All such forward-looking statements speak only as of the date they are made, and Kratos undertakes no obligation to update or revise these statements, whether as a result of new information, future events or otherwise. Although Kratos believes that the expectations reflected in these forward-looking statements are reasonable, these statements involve many risks and uncertainties that may cause actual results to differ materially from what may be expressed or implied in these forward-looking statements. For a further discussion of risks and uncertainties that could cause actual results to differ from those expressed in these forward-looking statements, as well as risks relating to the business of Kratos in general, see the risk disclosures in the Annual Report on Form 10-K of Kratos for the year ended December 27, 2015, and in subsequent reports on Forms 10-Q and 8-K and other filings made with the SEC by Kratos.

### **Investment Summary**



- Improving DoD Funding Environment, Including 2016/2017 Bipartisan Budget Agreement, White House and Congress Now Under One Party Control Portends Smoother Federal Budgeting Process, Shorter Continuing Resolutions, Increased Clarity and Visibility
- Recapitalization of U.S. Strategic Systems Underway
- Kratos is Strategically Aligned with Department of Defense ("DoD") Third Offset Strategy and Innovation Initiative, i.e., Rapidly Field Low Cost, Leading Technology Systems to the Warfighter

### **Investment Summary**



- Kratos is the Industry Leader in High Performance Jet Powered Unmanned Aerial Drone Systems
- Kratos' Unmanned Systems Business Expected to Double in Size Over the Next 24 Months Driven by Two New Under Contract Programs Expected to Begin Production in 2017
- Kratos is the Industry Leader in Satellite Communications, Command and Control and Signal Monitoring Ground Infrastructure

### **Investment Summary**



- Kratos' Core Businesses are in Large, Well Funded and Growing Primary Markets, i.e., Unmanned Systems, Satellite Communications, Microwave Electronics
- Strong Projected Future Growth Profile from Existing, "Under Contract" and "In-Production" Programs, with Significant Upside Potential From New Unmanned Combat Aerial System Contract Wins and Opportunities

### **Investment Highlights**



Year to Date Q316 Every Domestic Kratos
Business Unit Generates Positive Operating
Cash Flow Except Unmanned Systems
Where We Have Been In an Investment
Mode, i.e....."High Performance Unmanned
Aerial Systems for Contested Airspace"



### **Investment Highlights**



- Backlog of ~\$900 Million Expected to Increase 1H 2017, Bid & Proposal Pipeline of ~\$6 Billion
- Significant Portion of Kratos' Revenue Generated from Long Term, Multi-Year Strategic Programs
  - Intellectual Property Ownership in Key Products

## Industry Leader in High Performance Unmanned Aerial Target Drone Systems









**BQM-177** 

**BQM-167** 

**BQM-178** 

- Kratos is the Leader in Development and Production of High Performance Unmanned Aerial Drone Target Systems
- Kratos' Target Drone Systems Represent the Most Advanced Aerial Threats of Our Adversaries and Operationally Test U.S. and Allies' Weapon Systems
- Kratos High Performance Jet Powered Unmanned Aerial Systems are The Highest Performance UAV's In the World
- Kratos UAV's are Rail Launched and Parachute Recovered, i.e. Runway Independent

## Industry Leader in High Performance Unmanned Aerial Target Drone Systems





U.S. Navy BQM-177

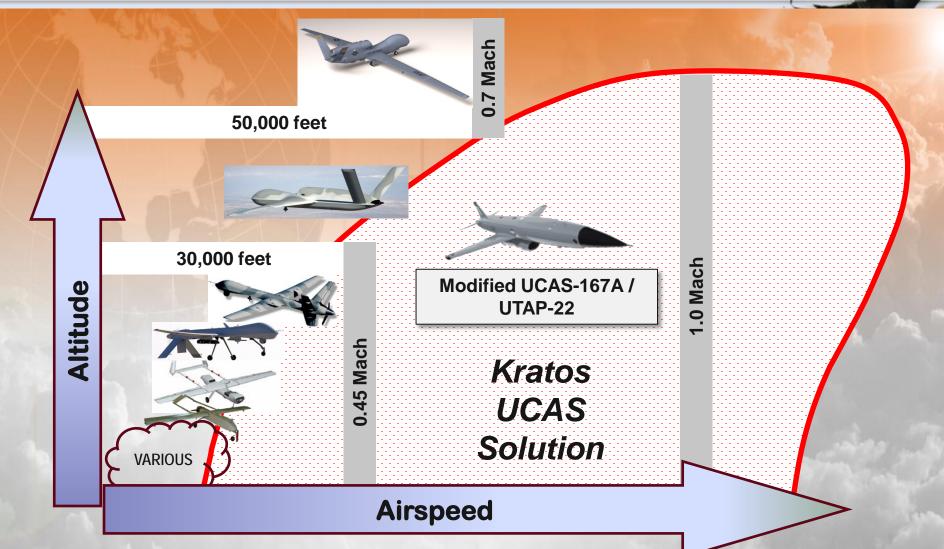


Confidential

Kratos has Two New Under Contract Target Drone Programs which are Expected to Begin Production in 2017 Driving an Expected Doubling in Size of Kratos' Unmanned Systems Business Over the Next 24 Months

### Gap In U.S. Unmanned Aerial System Capability





## Kratos UTAP-22 Unmanned Combat Aerial System





### Recent Notable UCAS Contract Awards



Low Cost Attritable Strike Demonstration (LCASD) – Air Force Research Lab (AFRL) Production Units Forecast to be in the Hundreds to Thousands @ ~\$2M - \$3M per UCAS



Unmanned Tactical Aerial Platform (UTAP-22) – Defense Innovation Unit Experimental (DIUx) (\$12.6M) – Fly in Major Military Exercise FY17





Gremlins Air Launched / Air Recovered Unmanned Combat Aerial System (UCAS) – Defense Advanced Research Project Agency (DARPA) (\$3.9M Phase I, Potential Phase 2 \$20M, Potential Phase 3 \$33M). Production Units Forecast to be in the Hundreds to Thousands @ ~\$700K per UCAS



**Confidential UCAS Program** 



### **LCASD Single Award Contract Win**



- •The AFRL Low Cost Attritable Strike Demonstration ("LCASD") program was conceived to demonstrate an extremely affordable, high performance, mission configurable UCAS
- •Base contract award: \$40 million<sup>(1)</sup>
- ~\$7 million / ~\$33 million cost share<sup>(1)</sup>
- Could lead to five follow-on spirals with anticipated funding of \$100 million<sup>(1)</sup>
- Kratos retains intellectual property
- •Select attributes:
- Development to flight in ~30 months
- Forward deployable, preferably without ties to runways



The Air Force Research Laboratory has awarded target drone builder Kratos a contract to execute what it calls a Low-Cost Attritable Strike Unmanned Aerial System Demonstration (LCASD). This proof-of-concept initiative is centered on creating a (relatively) cheap unmanned combat aircraft that the USAF can afford to lose in combat, even opting to do so willingly by sending it on a one-way mission if need be. Alternatively, if the vehicle had the range to return to friendly territory, it could be repeatedly recovered and launched again on other missions, even from small bases without runways.

Provides a "game changing" and rare leapfrog opportunity over traditional UAV manufacturers and Tier 1 companies

**4** 



### **DIUx UTAP-22 Single Award Contract Win**

## •Defense Innovation Unit Experimental ("DIUx") reports directly to the U.S. DoD Secretary of Defense

 DIUx is part of the DoD's Defense Innovation Initiative geared towards preserving U.S. technological superiority

#### •One of the largest single DIUx awards made to date

- \$12.6 million initial contract for sensor integration into Kratos' internally developed UTAP-22 to demonstrate multiple UTAP-22s in a large, complex military exercise<sup>(1)</sup>
- Will explore the use of High Speed Drones in either Fully Autonomous or Semi-Autonomous roles to support 4<sup>th</sup> and 5<sup>th</sup> Generation Fighter Aircraft

**UTAP-22 Unmanned Aerial System** 

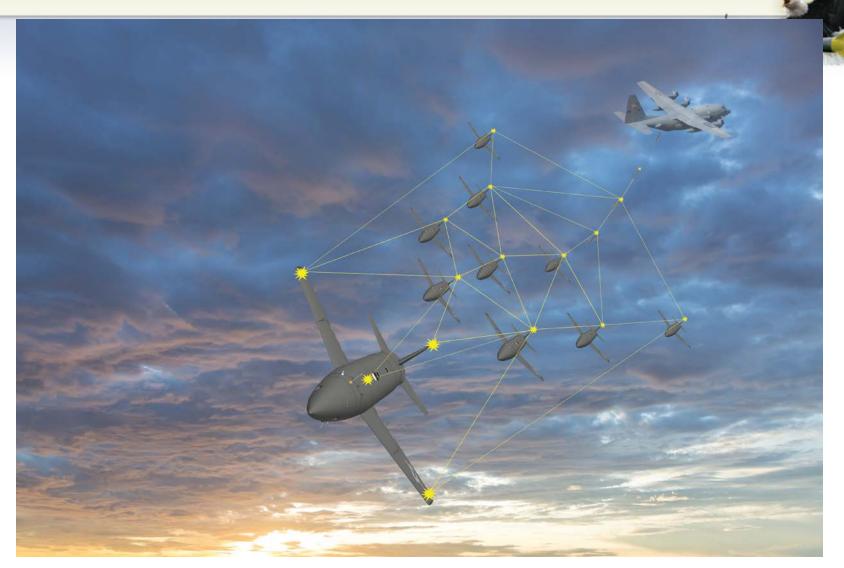
"Strategic Command"



"Strategic Capabilities Office"

### **DARPA Gremlins Phase I Contract Award**





- Massive Force Multiplication – Anti-Access/Area Denied Environments

## Industry Leader in High Performance Unmanned Aerial Target Drone Systems









LCASD UTAP-22 GREMLINS

"Achievement of Production Status for Any of These Programs Will be Additive to Kratos' Base Financial Forecast and Our Expectation for Kratos' Unmanned Systems Business to Double in Size Over the Next 24 Months."

### Kratos – Unmanned Combat Aerial Systems



#### **OBJECTIVE**

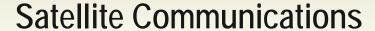
Be the Leader in High Performance, Low Cost Unmanned Combat Aerial Systems

"Deliver To The U.S. Military Jet Powered Drones That Our Potential Adversaries Do Not Possess, That Protect The Lives Of The U.S. War Fighter And the Dollars That The U.S. Tax Payer Provides To Our Government."

# Industry Leader in Unmanned Vehicle C<sup>2</sup> Systems, Avionics & Electronics









- Industry Leader in Satellite Command and Control Systems Ground Segment
- Industry Leader in RF Interference, Monitoring and Geo Location
- Maintaining, Sustaining and Protecting a Significant Majority of U.S. Satellite Systems today (including recurring revenue)
  - Command and control systems
  - Satellite monitoring systems
  - Signal intelligence systems

- RFID systems
- GEO location of RFI threats
- Telemetry processing systems

## Representative Satellite Communications Systems Supported







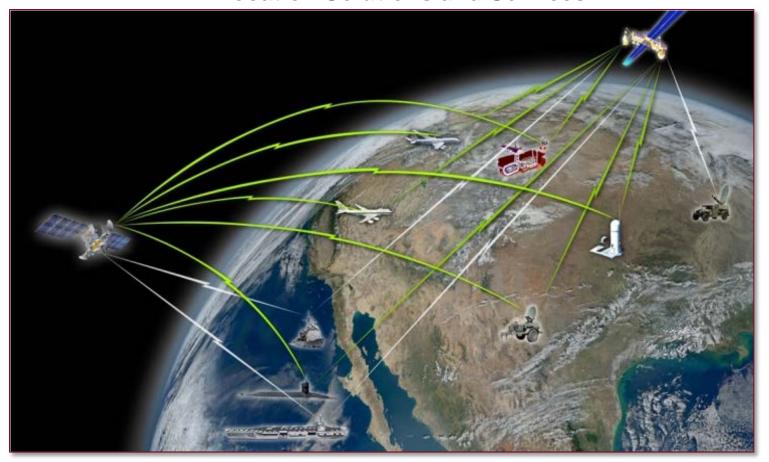


SBIRS AEHF WGS Classified





Kratos Owned and Operated Global Terrestrial Ground Infrastructure Providing Signal Monitoring and Geo Location Solutions and Services



# Satellite Communications: DoD / Intel Satellite Market Growth



- •Emerging space threat with Russia and China
- •Unmanned Aerial Systems demanding more bandwidth
- •Intelligence, Surveillance, and Reconnaissance demanding more bandwidth
- •Drive to commercialization for cost, resiliency, capacity



### Microwave Electronics



- •An industry leader in Microwave Electronics Products, Systems and Sub Systems for:
- Missile
- Radar
- Electronic warfare

- Intelligence, surveillance & reconnaissance
- Communication systems
- GaN technology
- •Demand for Kratos' Microwave Electronics products is driven by rising Russian, Chinese, North Korean, Iranian, and Other Advanced Nation State Adversarial Threats, Strategic Recapitalization

#### **Representative Products**



SSPAs AND AMPLIFIERS



FREQUENCY CONVERTERS



SHR - RECEIVERS



TRANSCEIVERS / DATA LINKS







INTEGRATED MICROWAVE ASSEMBLIES





MILLIMETER WAVE



BEAM FORMING MODULES



**GPS IMMUNE** 



RF FRONT ENDS AND DLVAs

## Microwave Electronics Representative Systems Supported





Iron Dome



Gripen Fighter





Sling of David



Barak



Spyder

### Additional Strategic Programs Supported





Electromagnetic Railgun



**Directed Energy Weapons** 



**Patriot** 



BMD/Hypersonic Vehicles



**DDG-1000** 



Littoral Combat Ship

 Kratos' Products, Solutions and Services Support Certain of Our Nation's and Allies' Mission Critical National Security Programs





**Concentrate on Primary Markets and Internal Growth Build on Base of Intellectual Property and Technology Resident in Core Business Expand Technology and Product Offerings to Existing Customers Achieve Production on UCAS Opportunities Targeted Investment in Strategic Growth Areas Expand Operating Margins and Increase Cash Flow/Operating Leverage Capitalize on Corporate Infrastructure Investments/Operating Leverage** 

### Recent Notable Strategic Program/Contract Awards



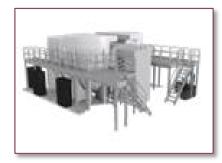
KC-46 High Fidelity Maintenance Training System - Initial Contract Value \$20M<sup>(1)</sup>





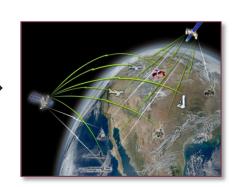
Marine Common Aircrew Trainers (MCAT) - Initial Contract Value \$54M<sup>(2)</sup>





JFCC / USS Stratcom Global Satellite RF Interference Monitoring (\$6.2M)<sup>(3)</sup>

- (1) Kratos August 24, 2016 press release
- (2) Kratos September 12, 2016 press release
- (3) Kratos October 24, 2016 press release



### Recent Notable Strategic Program/Contract Awards



\$23.5 Million U.S. Army Aviation and Missile Command Air Defense System



### Recent Notable Strategic Program/Contract Awards



\$18 Million High Performance Unmanned Aerial Target Drone System Contract Award – New Customer



### **Expected Near Term Catalysts**



U.S. Navy Unmanned Subscale Aerial Target Drone (SSAT) Production<sup>(1)</sup> - Under Contract, LRIP Expected Q2 FY17





"Black" Program Production<sup>(1)</sup> – Under Contract, LRIP Expected Second Half FY17





**Unmanned Aerial Drone System Program Award – New Customer – Expected Q1 FY17** 





Unmanned Aerial System Program Award – Existing Customer – Expected Q2 FY17





(1) Exercise of low rate initial production expected first half of 2017

### **Expected Near Term Catalysts (cont'd)**



**New Major Training System Program Award Expected Q2 FY17** 





**Low Rate Initial Production Expected on New Missile System – Second Half FY17** 





### Kratos – Financial Overview



- Kratos Provides Annual Financial Guidance
  - We are Primarily a Product Based Company with Revenue Driven by Shipments/Deliveries
- Majority of Kratos' Work is Funded by the U.S.
   Government, Providing a "Clear" 12 Month View
- Substantial Amount of Kratos' Work is Performed Under Multi-Year Strategic Programs

## **Recent Financial Summary 2016**



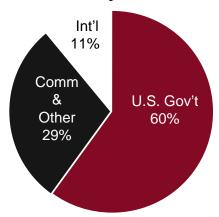
Q316 Revenues	\$165.4M
Year Over Year Increase From Q315	2.3%
Adjusted EBITDA*	\$13.5M
Q316 Operating Cash Flow	\$3.7M
Book to Bill Ratio Q316 Book to Bill Ratio LTM 9/25/16	1.2 to 1 0.9 to 1
Funded Backlog @ 09/25/16	\$582M
Unfunded Backlog @ 09/25/16	\$319M
Total Backlog @ 09/25/16	\$901M
Bid & Proposal Pipeline @ 09/25/16	\$6.3B

<sup>\*</sup>As defined in Company's Q316 Earnings Release dated November 2, 2016

### **Summary Financial Information**



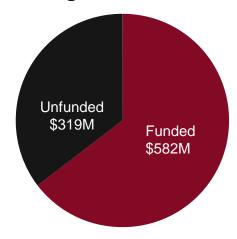
Nine Months Ended 09/25/16 Revenue By Customer



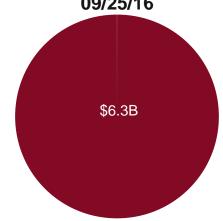
Nine Months Ended 09/25/16 Contract Mix



Backlog Ended 09/25/16



Bid & Proposal Pipeline Ended 09/25/16



### **Investment Thesis**



- Improving U.S. DoD Funding Environment, Recapitalization Of Strategic Systems Under Way
- ➤ Kratos Is The Industry Leader In High Performance Jet Powered Unmanned Aerial Drone Systems
- ➤ Large New Unmanned Aerial Drone System Program Production Expected Beginning First Half of 2017
- ➤ Unmanned Systems Business Expected To Double In Size In Next 24 Months
- Satellite Communications Business Benefitting From Multi Billion Dollar Funding Increase
- ➤ Target Base Case Business Model Projections Of \$800 Million Revenue, \$80 Million Adjusted EBITDA, With UCAS Upside Potential