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LandShark UGV

About Black-I Robotics

- Black-I makes Unmanned Ground Vehicles (UGV) since 2005
- Affordable Robust Mid-Sized UGVs (ARMS UGV)
- Committed to an open source, open platform strategy
- "Jeep Chassis"









LandShark Series E







What We're Doing

- TSWG Contract FY08
 - Commercial Chassis Production Now
 - Full System with Arms & Payloads 2QCal09
- Logan Intl. Airport VBIED Destroyer, Civilian Mkt. T&E Prototype
- Sandia National Labs x-ray aiming
- NAVSEA Dahlgren Wolf Pack 2 lethal, 2 nonlethal, radio relay, remote acoustic hailing device



Applications









Version "D" -- LandShark



Open Source Modularity Improves Price & Performance

- Open Source JAUS Software allows interchangeable parts
- PC/Tablet Based OCUs allows affordability and upgradability
- Mission Modularity Increases Apps.
- Several Missions for the Price of One



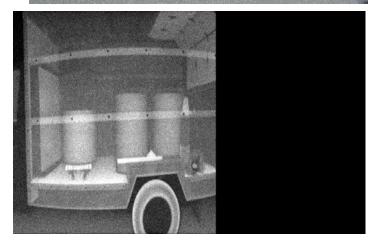
What We're Doing

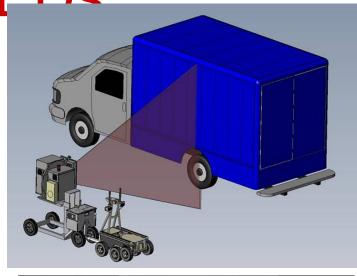
- Received "Popular Science 2008 Best of What's New Award for Security"
- Robotic Trailer for Z-Backscatter X-Ray system for AS&E
- Sarnoff Team for Complex Terrain Mapping with Vision Systems

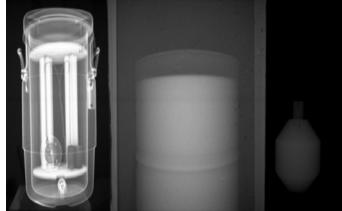


LandShark Towing AS&E Z-Back Scatter X-Ray Trailer Against











LandShark with MREL Aqua Ram Disruptore











Remote Hailing Device

- Landshark D with a Moog Remote Acoustic Hailing Device attached.
- Navy recon and nonlethal hailing system.
- Drive a fence line, remotely communicate into a village.
- Slider rails allow quick mounting and dismounting of large payloads.





Hybrid Configurable on Fly Electric or Gas/Electric

- All Electric or Hybrid Using Smart Charger
- 8 to 15 Hour Now or in Future
- 8-10 KW Multi-Fuel Gen. with Alternator & Electric Start





Counter Sniper Experiments Boomerang Acoustic Detector &









Heavy Modular Arm

- 100lb lift 6 feet
- 7800 ft.lbs at shoulder strength
- Half price of closest competitor
- Total modularity
- Factory Robotic Quality Controls Coming Next



Trailers, Towing, Tillers & Plows











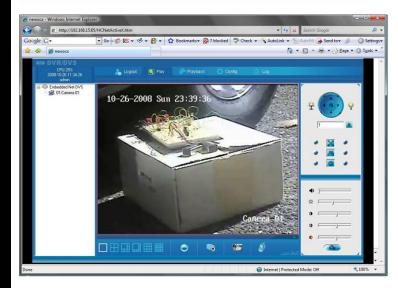
Marsupial Deployment of Cubic's Cougar with LandShark E

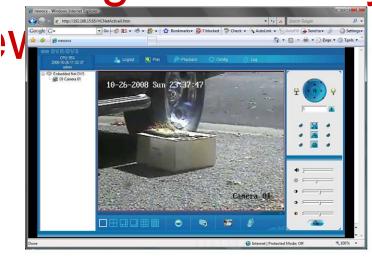


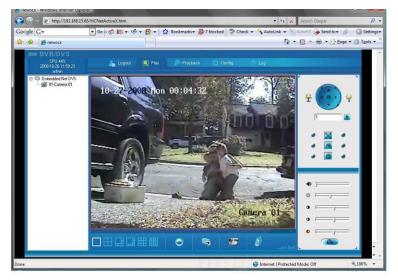


Controlled Webcasting of Images to Many









Black-I Specific

- Product shifting to check points and perimeters and away from military EOD applications
- Targeting DHS and DOE and looking for a play in the private sector
- Targeting Open Sources and Partnering Wherever Possible



Difficult Environment

- Rare Opportunity to Grow by Multiples Yet
- Lobbying & Lonely
- Political Riptides (PA, MI)
- Third World Bus. Practices Within DOD
- Problematic Capital Markets

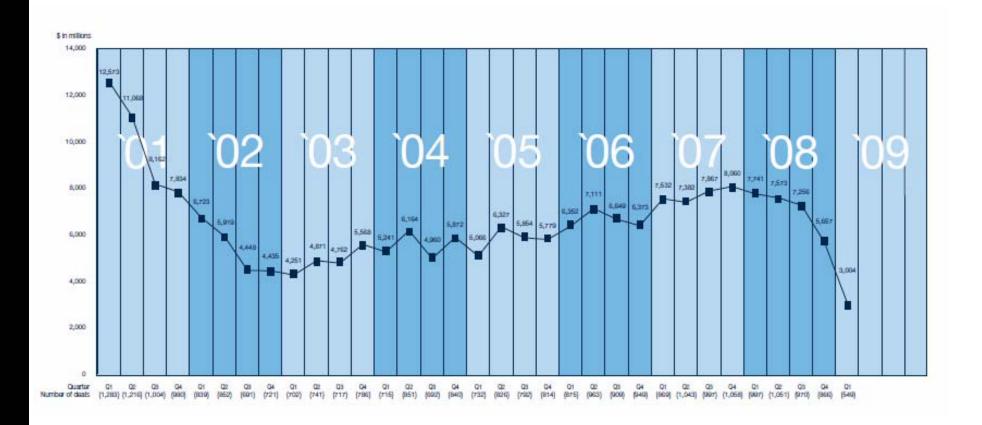


How Does a Small Company Raise New Capital?

- Traditional Banking
- IPO?
- Traditional Private Equity
- Merger & Acquisition
- Strategic Partnering



VC Investments



PricewaterhouseCoopers



Funds for acquisitions by larger firms

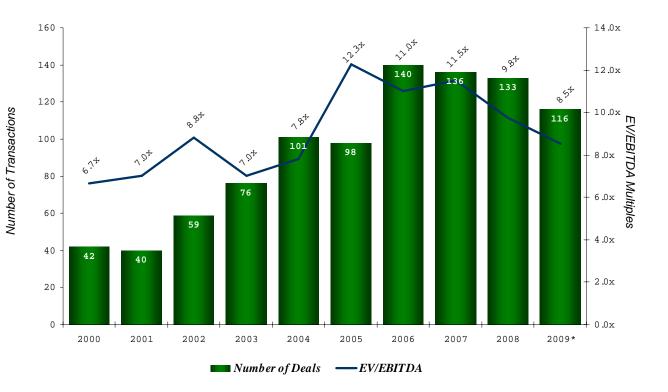
- Acquisition funds are high
- Valuations are moderate and financial leverage in a purchase is low
- Is there a public play for a small company that does a roll up of related and like-minded



Defense Transactions & Valuations

- Over the past 10 years, average M&A Valuations have ranged from 7x to 12x LTM EBITDA
- Defense valuations peaked from 2005 to 2007
- Historical valuation median since 2000 at 8.7x with median activity level is approximately 100 deals per year

LTM period valuations currently at historical median level



Source: Houlihan Lokey's proprietary M&A database; Multiples reflect enterprise value to latest twelve months EBITDA prior to deal announcement *Represents LTM as of 4/15/09



Defense Industry Overview

Strategies That Are Working for Black-I

- Cost
 - Outsource.
 - Keeping fixed costs low.
 - Max. Variable Cost/Rev
 - Publicity over Advertising
- Price
 - Making products affordable by design



Strategies That Are Working for Black-I

- Speed
 - Move faster with today's information not last year's Don't Wait for the Needs Statement
 - Partner for speed
- Focused Innovation
 - Licensing government technology
 - CRADAs and leveraging government work (NAVSEA)
 - IP Strategies Use COTS, Trade Secrets and limited patents
 - Work the Hill
 - Riding the up escalator target technology trends use only latest tech.
 - Markets less than 2 years out



Importance of Small Defense Military Warfare

- - Faster, Better Cheaper are all Small Business Strengths
 - Saving DOD from itself.
- Economic Warfare
 - Avoiding Dead-End Defense Programs
 - Making/Losing Jobs

