



SkySentry, LLC

CONTROL BASED MOBILE AD HOC NETWORKING CAPABILITIES

AUGUST 2005

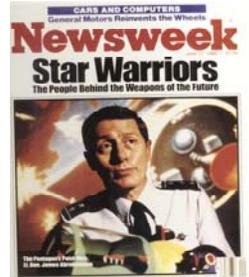


Corporate Principals



CEO & Chairman: James A. Abrahamson, Lt Gen, USAF (Ret)

MOL Astronaut, F-16 Program Office Director, NASA's Associate Administrator for Space Shuttle, Founding Director, SDIO, President Hughes Transportation Systems, Inc., Oracle Corp. Chairman & COO-CEO, StratCom Inc. Founder and CEO



President & COO: Charlie Lambert



- Col, USAF(Ret),
- Central Coordinator for Missile Defense, Alaskan Command,
- Leader in Nat'l Cruise Missile Defense study
- NORAD Plans & Requirements Chief
- USAF Group & Vice Wing Commander
- C130 Pilot & Evaluator



Principal Engineer: Dr. Dave Finkleman,

- SES (Ret), Col, USAF(Ret)
- Chief Technical Officer, NORAD, USSPACECOM, & USNORTHCOM
- Director of Kinetic Energy Weapons, SDIO;
- Director of Technology and Systems, Army Ballistic Missile Defense
- Deputy Program Manager, Navy Directed Energy Weapons Program;
- Associate Professor, USAF Academy

**SPACE, NEAR SPACE, AIRBORNE, AND TERRESTRIAL
EFFECTS BASED SURVEILLANCE AND AD HOC NETWORKING**



CAPABILITIES

- **INTEGRATED ANALYSIS OF OSI LAYERS 1-4**
 - Collaborative and co-simulation of temporally and event driven models and simulations
 - STK/OPNET – STK/QUALNET
- **MOBILE AD HOC NETWORKS WITH STRONG PHYSICAL LAYER INTERACTIONS**
 - Physical phenomena and network transactions with comparable time scales
 - Deep space propagation driven communication latency
 - Communication with hypervelocity vehicles and satellites
- **SPACE, NEAR SPACE, AND AIRBORNE MISSION ARCHITECTURE SYNTHESIS**



ACCOMPLISHMENTS

- **MISSILE DEFENSE INTERCEPTOR WIRELESS AD HOC COMMUNICATIONS**
- **NATIONAL DEFENSE INDUSTRIAL ASSOCIATION “NEAR SPACE” SUMMER STUDY PLATFORM, SURVEILLANCE, AND COMMUNICATIONS LEAD**
- **MDA SYSTEM ARCHITECTURE SIMULATION**
 - Provide a basis for BMDS architectural analysis for measurement-based fusion, track-based fusion, track-based correlation, and reporting responsibility of network elements.
 - Develop a new adaptive communications-fusion architecture that addresses the needs of flexibility, efficiency, and information control.
- **NATIONAL CRUISE MISSILE DEFENSE COLLABORATION**
- **COMMUNICATIONS ELEMENTS OF THE AF SCIENTIFIC ADVISORY BOARD STUDY OF AIR FORCE ROLES IN URBAN OPERATIONS**



COLLABORATION AND PARTNERSHIPS

- ANALYTICAL GRAPHICS, INC.
- NUMERICA, INC.
- ROCKWELL-COLLINS
- L3-COM
- OPNET
- QUALNET
- BOEING
- LOCKHEED-MARTIN