USSOCOM

Agile Acquisition and SOFWERX Initiatives

Mr. Anthony Davis
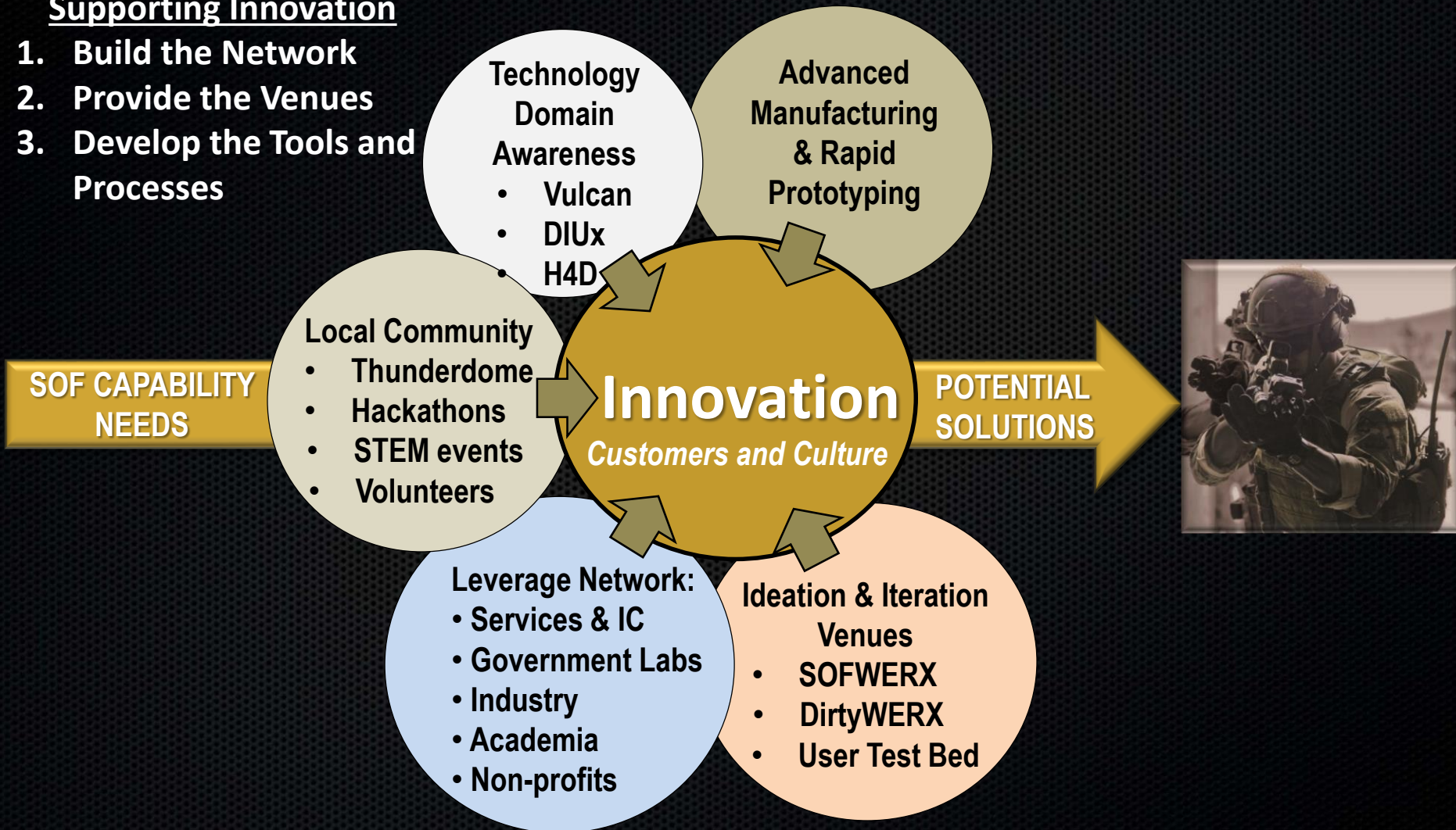
Director, Acquisition Agility

Acquisition Agility Ecosystem

Supporting Innovation

1. **Build the Network**
2. **Provide the Venues**
3. **Develop the Tools and Processes**

Technology Domain Awareness
- **Vulcan**
- **DIUx**
- **H4D**

Advanced Manufacturing & Rapid Prototyping

Local Community
- **Thunderdome**
- **Hackathons**
- **STEM events**
- **Volunteers**

Innovation
Customers and Culture

SOF CAPABILITY NEEDS

POTENTIAL SOLUTIONS

Leverage Network:
- Services & IC
- Government Labs
- Industry
- Academia
- Non-profits

Ideation & Iteration Venues
- **SOFWERX**
- **DirtyWERX**
- **User Test Bed**

Innovation Thrives in a Marketplace

Creative Staffing Model

DoD Interns: Recruit promising talent and develop with challenging roles and experience

University Interns: Quickly bring in skilled workforce and expose to DoD culture and challenges

Industry Fellowships: Leverage industry expertise, and share development opportunities

ULTRALiFE® COMMUNICATIONS SYSTEMS

HARRIS

Battelle
The Business of Innovation

Apps for next Industry Fellow class due by Feb 21, 2017
http://www.sofwerx.org/ussocom-industry-fellowship/

Rapid Agile Prototyping Series (RAPS)

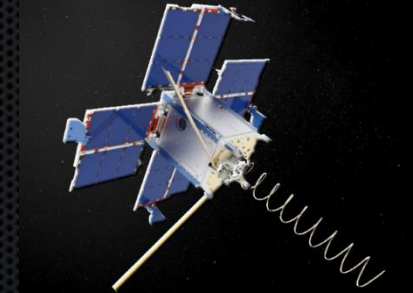**Control / Carriage of Precision Weapon**

MedRZR Improved Litter Carrying Capability
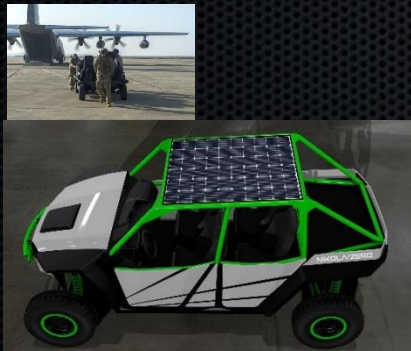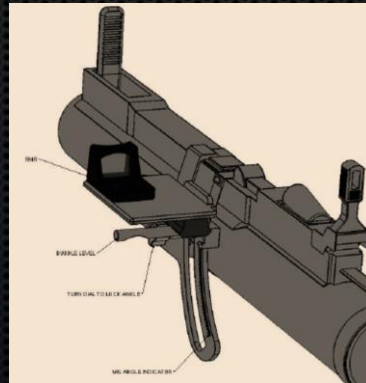

SAASM GPS PUCK Receiver Kit

Cubesat Payload Prototyping Lab

Replacement of the Forward Area Manifold (FAM) Cart

Extending SOF's Small Arms Capability

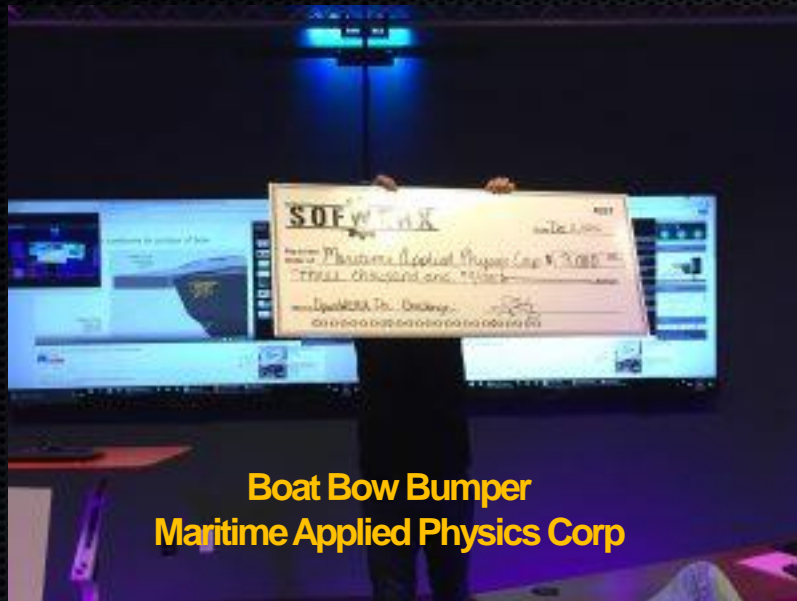**1208 Mission Set Review and Refresh**

Single Man Flying Machines

OpenWERX Prize Challenges

Current Challenge:
FogBreaker: Boat Pilot Augmented Reality
(http://www.sofwerx.org/openwerx-boat-pilot-ar-challenge/)

Boat Bow Bumper
Maritime Applied Physics Corp

DJI Phantom Exploits
Dunning-Kruger Experience

Biomimic Underwater Robot
Tampa Deep-Sea X-plorers

Monthly prize challenges
- **First Thursday of each month**
- **$3000/$2000/$1000 cash prizes**
- **http://www.sofwerx.org/openwerx/**
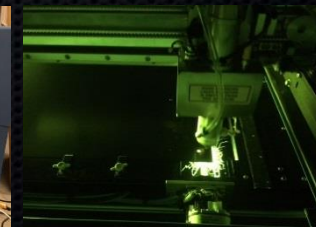
Advanced Manufacturing (AM)

Objective: Empowered units & individuals solving problems & implementing solutions at the point of need

Additive Manufacturing & 3D Printing Design Training at Unit Sites

**Advanced Manufacturing & Innovative Design**

Enabling Production/Training through the SOF Advanced Manufacturing HQ Node

Vulcan--Technology Scouting Application

➢ Web-based capability to quickly capture a technology and upload to a secure, shared, searchable, central database
  − Makes everyone in command (+more than 20 partners) a SOF Tech Scout
  − Information is entered into "Scout Cards"
  − Social media-like technologies include trending, liking, and sharing technologies

Internal and External Vulcan Partners
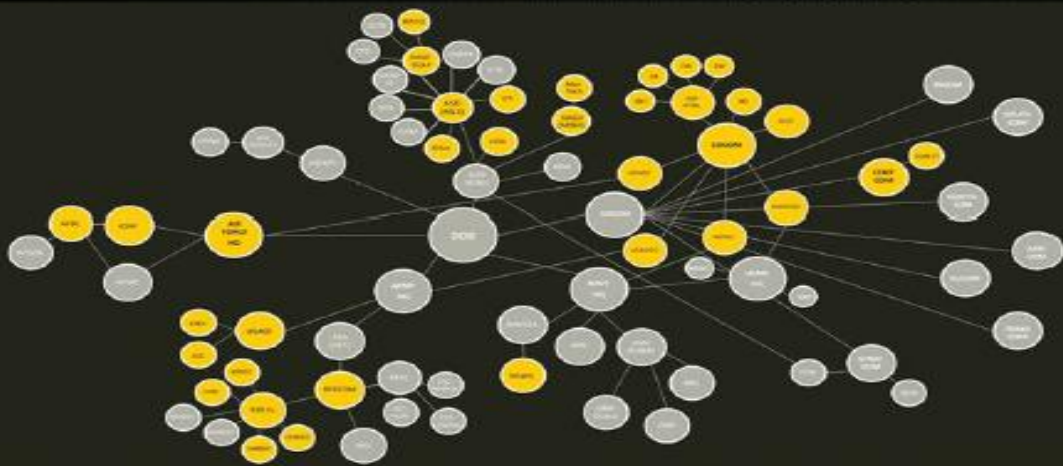
➢ Government users can send technology developers one time tokens to log into Vulcan, enter technologies, provide updates, and respond to comments

➢ Government workflows support evaluation, assessment and scoring of submitted technologies, and sharing of results to individuals or teams across enterprise

➢ Each Scout Card has an associated timeline showing technology maturation across events each time it is interacted with (creation of scout card, government assessment, government evaluation, demonstration or experimentation, etc.)

Government Registration at https://www.vulcan-sof.com

QUESTIONS?

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