

AUVSI

The Association for Unmanned Vehicle Systems International

CONNECTING THE
UNMANNED SYSTEMS COMMUNITY
ACROSS THE GLOBE



Unmanned Systems Force Protection

- Small UAVS
- Medium UAVs
- Ground Vehicles
- Surface Vehicles
- Underwater Vehicles

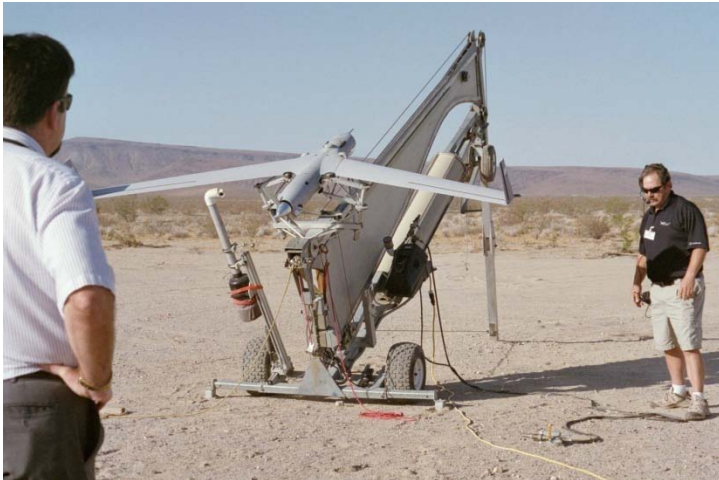
Unmanned Aircraft Systems

6
planes
that
flew at
USNA
Demo



Small UAS

Boeing's ScanEagle



Aurora's GoldenEye 80

Medium UAS



Schiebel's
Camcopter
S-100



Boeing's A 160
Hummingbird

Cybaero



Ground Vehicles



Foster-Miller's
Dragon
Runner
and Talon



Boston Dynamics'
Big Dog

GDRS'
MDARS



www.auvsi.org

Surface Vehicles



GDRS'
Antisubmarine
Warfare USV

Rafael's Protector



Underwater Vehicles



AutoTracker Trial
and SeeByte



VideoRay's Pro 4

What are some benefits from utilizing unmanned systems?

- Can do multiple jobs from one investment
 - Security Patrol (24/7 365 days a year)
 - Inventory
 - Environment status
 - Fire
 - Temperature
 - Language interpreter
- Great application to handle escalation of hostility
 - Apply a deterrent
 - Non-Lethal
 - Lethal
- Can save money – reduce theft

What stops us from fielding unmanned systems?

- Authority to operate in human environments
 - FAA regulations
 - DOT regulations
 - Coast Guard regulations
- Understanding that safe can not be zero
- Positive Cost Benefit Analysis
- Fear of unmanned systems becoming the Terminator