



ONR: Delivering Affordable Asymmetric Capabilities

2014 NDIA S&ET Conference

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“May You Live in Interesting Times”

Our Navy and Marine Corps must, and will, respond to our Nation’s security requirements while contending with fiscal uncertainties

ONR’s mission is to use S&T to make our Naval Forces more decisive at an affordable cost.

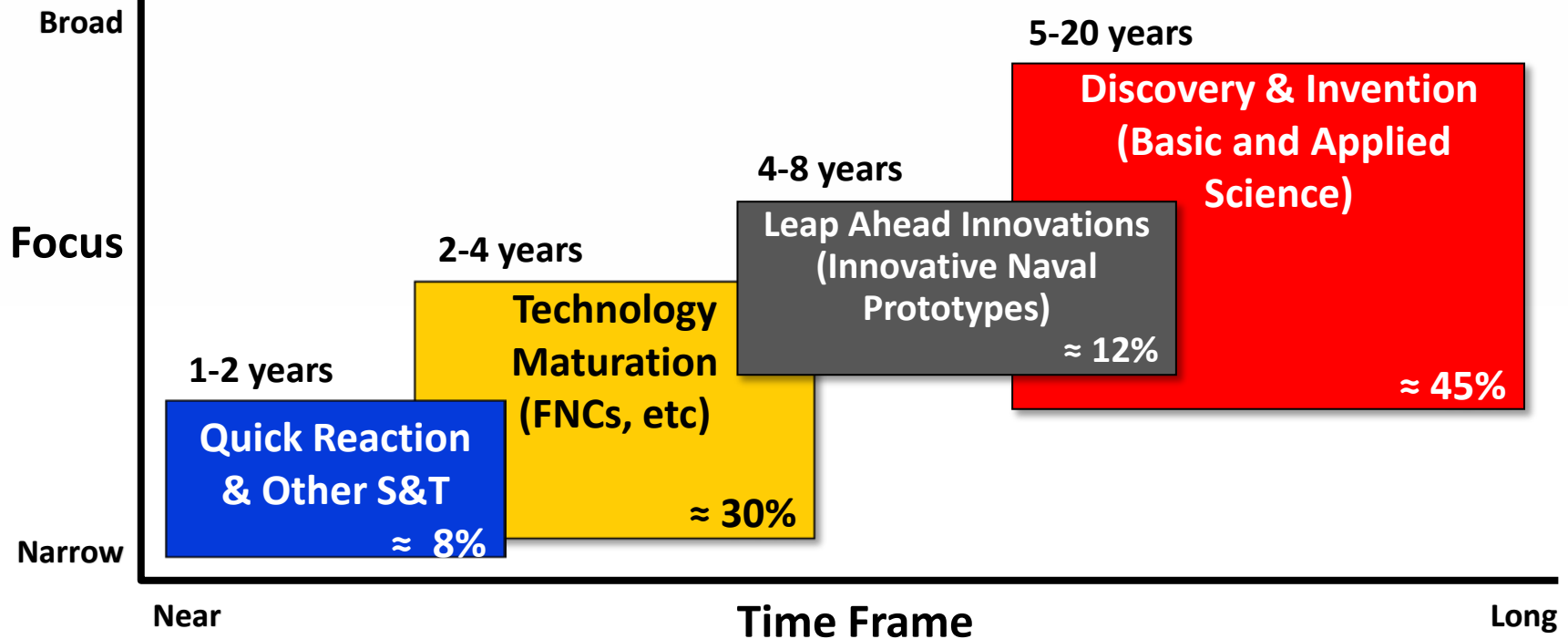




Our Strategy is Adaptable and Responsive



- *Assure Access to Maritime Battlespace*
- *Autonomy & Unmanned Systems*
- *Electromagnetic Maneuver Warfare*
- *Expeditionary & Irregular Warfare*
- *Information Dominance/Cyber*
- *Platform Design & Survivability*
- *Power & Energy*
- *Strike & Integrated Defense*
- *Warfighter Performance*



~ 50% of the portfolio is focused on near and mid-term capabilities



Delivering Affordable Asymmetric Capabilities

AACUS *Autonomous aerial resupply with a touch on a tablet. In testing.*

EM Railgun *\$25K/round, delivered precisely at well over 100 miles. Demo at sea in 2016.*

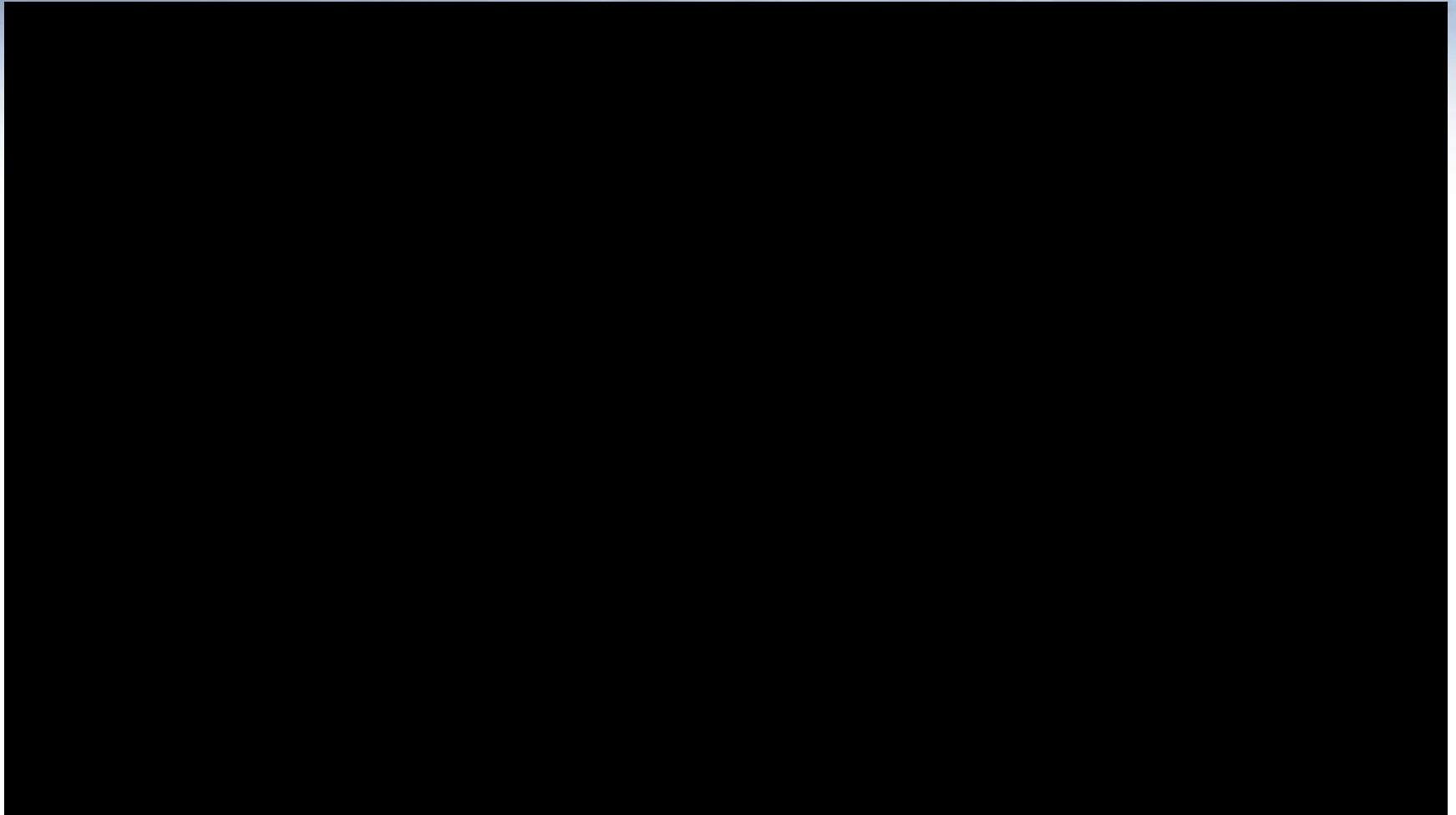
LaWS *Laser weapon at \$1 per shot. Deploying this summer.*



Innovative Solutions for the Warfighter



Autonomous Aerial Resupply with One Touch on a Tablet



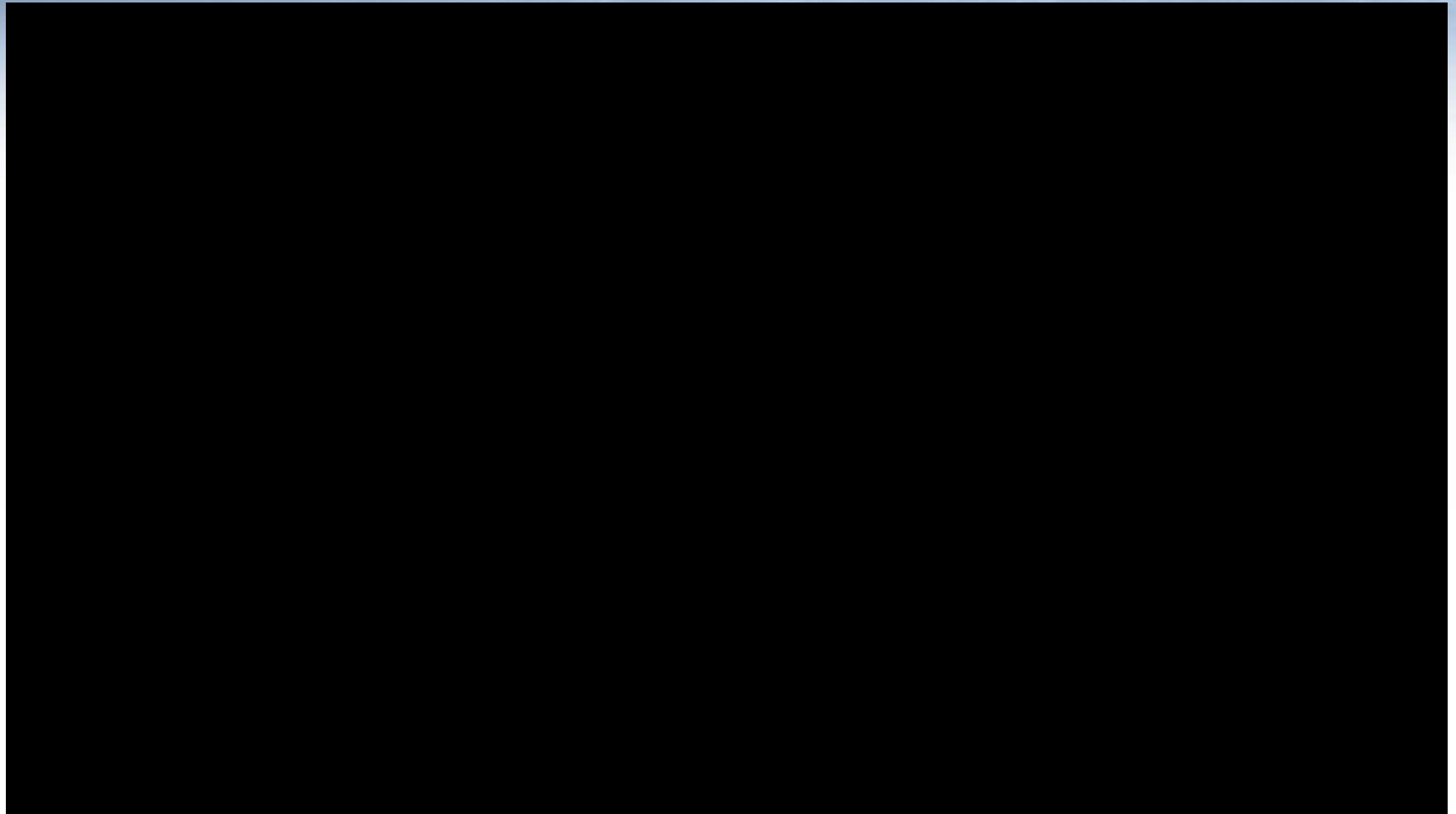


Autonomous Aerial Resupply with One Touch on a Tablet





Electromagnetic Railgun



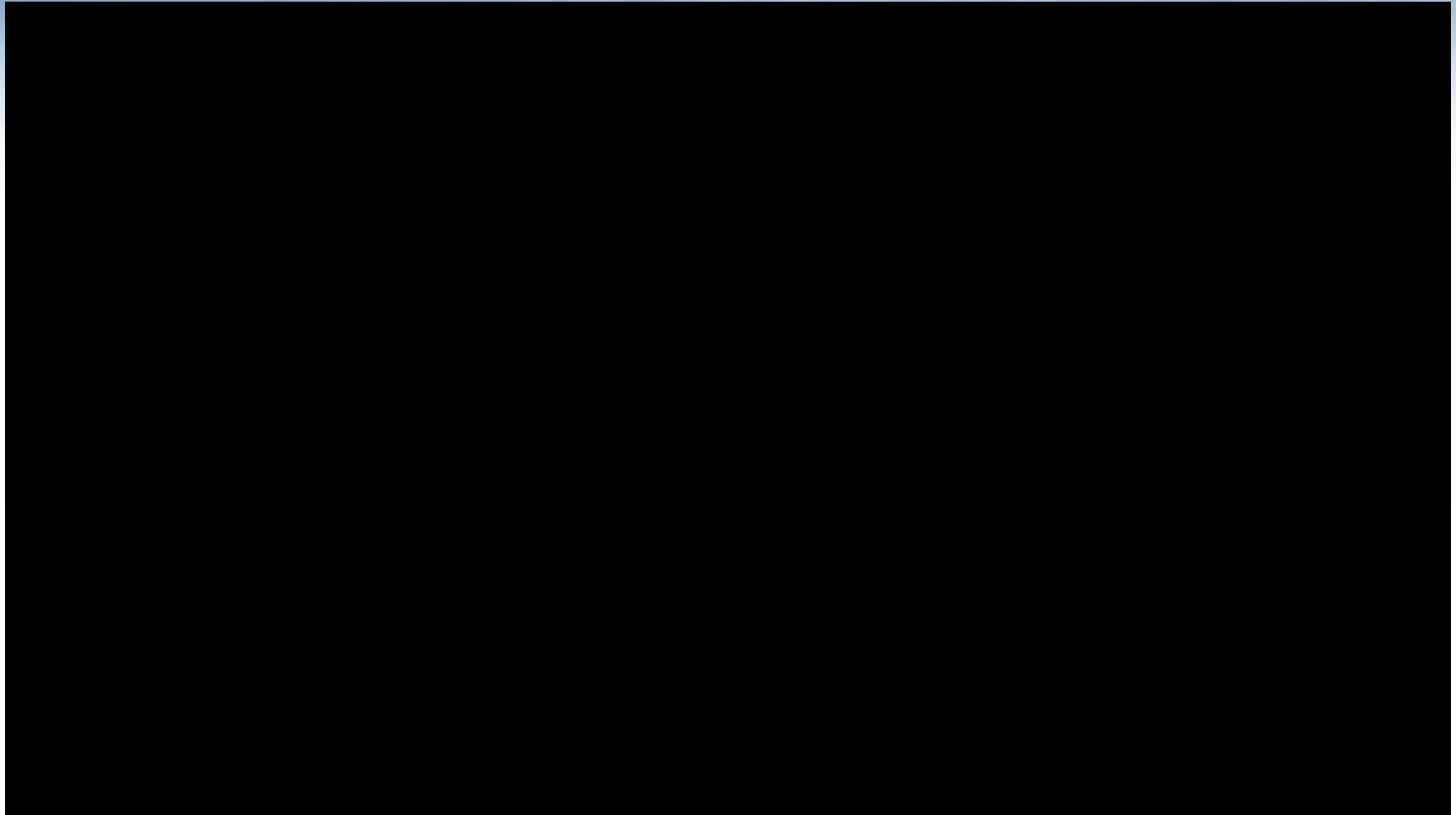


Electromagnetic Railgun





Laser Weapon System (LaWS)





Laser Weapon System (LaWS)





Opportunities to Engage ONR

Focus Area Forums

- **June 25, 2014: Data Science and Decision Making**
(Registration will open in May on ONR's website)
- **Fall 2014: Warfighter Performance** (including Live Virtual Constructive Training, Decision Support and Mission Planning initiatives)

Naval S&T Partnership Conference (Feb 2015)



ONR's Mission

***DISCOVER, DEVELOP and DELIVER
decisive naval capabilities, in the near and
long term, by investing in a balanced
portfolio of promising scientific research,
innovative technology and talented
people***