### JIDO'S ROLE IN THE IMPROVISED THREAT ENVIRONMENT LTG Michael Shields

**Overall Classification: Unclassified** 





## **History of Supporting the Warfighter**





#### Handheld Detection Systems

**Advanced Optics** 

Dismounted CREW Systems



**Tactical Robotics** 



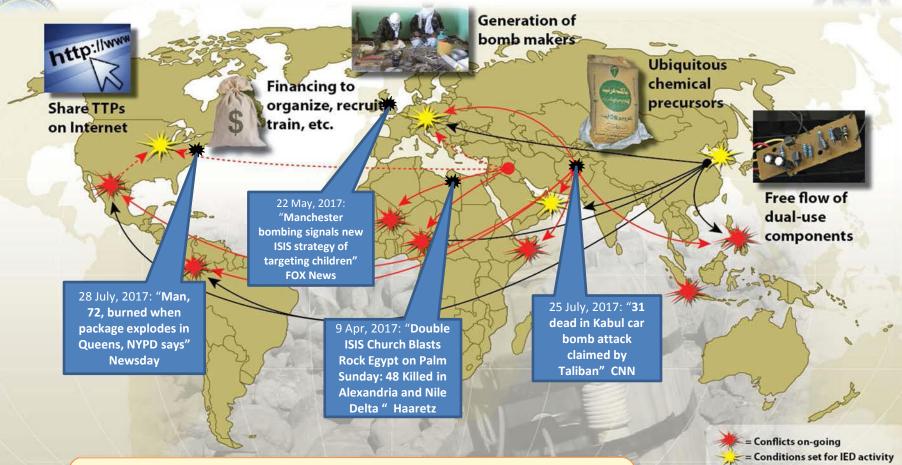
Vehicle-Mounted CREW



Catapult – Attack the Network Toolset

## An Enduring Global Threat





## More than 20,000 IED incidents globally causing more than 55,000 casualties

= Conflicts on-going
= Conditions set for IED activit
= Knowledge/people
= Material
- = Most dangerous scenario



# Know Your Enemy







# ISIS UAS Video



<u>https://www.youtube.com/watch?v=GI7-t93CYag</u> Compilation of videos of UAS dropping explosives (1:00 for tank video)

http://heavy.com/news/2017/01/new-isis-islamic-state-video-knights-ofbureaucracy-mosul-iraq-wilayat-ninawa-modified-weaponized-dronesbombings-airstrikes-uncensored-video/

Start at around the 32:34 point and end it around the 35:00 minute point.



### **UAS Videos**





## **JIDO Support to Iraq & Afghanistan**

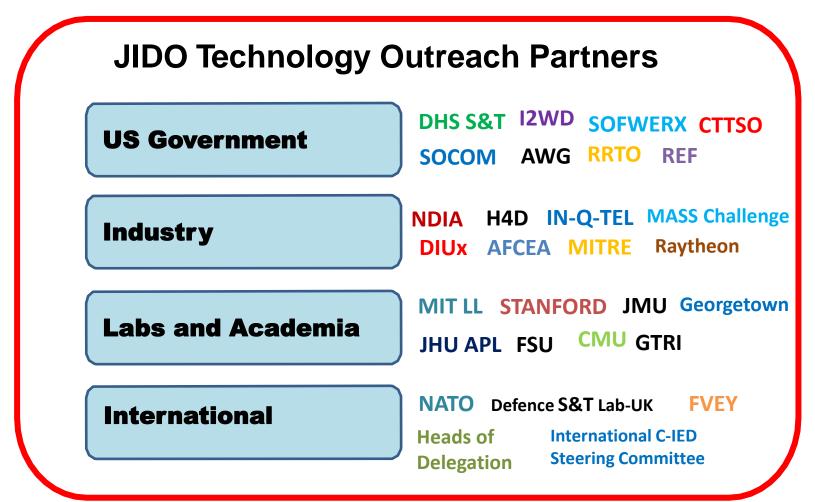






Partners





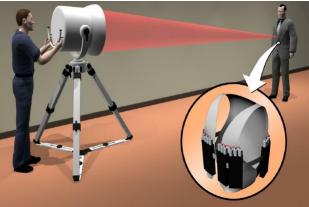


## **Current Efforts**





Counter small UAS





Standoff Detection

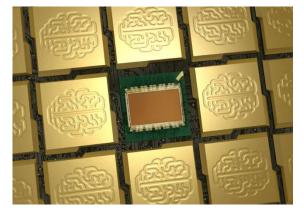
Advanced EW



Augmented/Virtual Reality



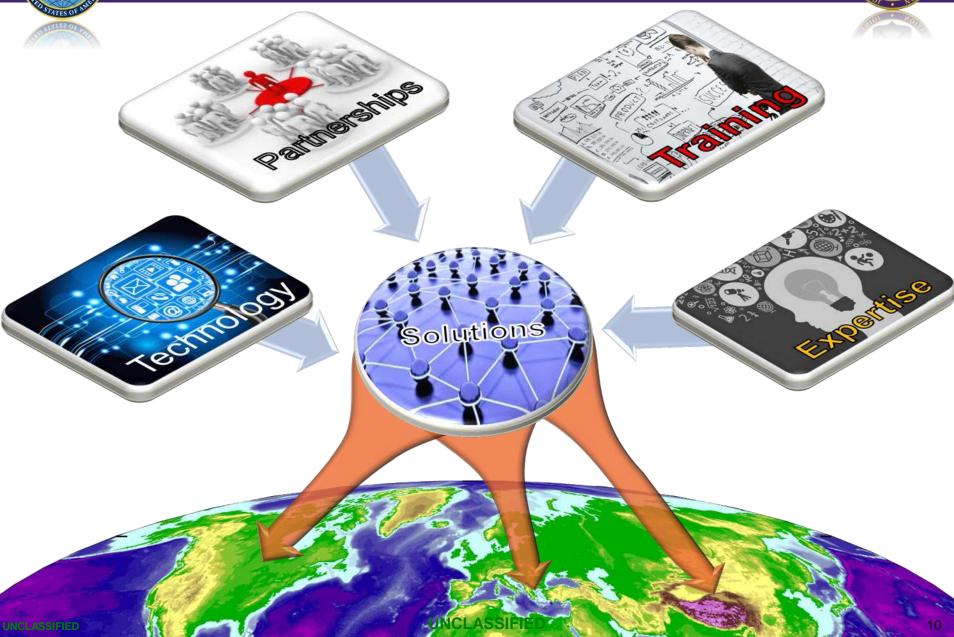
Material Exploitation



Artificial Intelligence/Machine Learning

# Solutions to the Warfighter









UNCLASSIFIED



UNCLASSIFIED