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

Share TTPs on Internet

Financing to organize, recruit, train, etc.

Generation of bomb makers

Ubiquitous chemical precursors

Free flow of dual-use components

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

22 May, 2017: “Manchester bombing signals new ISIS strategy of targeting children” FOX News

28 July, 2017: “Man, 72, burned when package explodes in Queens, NYPD says” Newsday


25 July, 2017: “31 dead in Kabul car bomb attack claimed by Taliban” CNN

UNCLASSIFIED
Know Your Enemy
https://www.youtube.com/watch?v=GI7-t93CYag
Compilation of videos of UAS dropping explosives (1:00 for tank video)


Start at around the 32:34 point and end it around the 35:00 minute point.
UAS Videos
JIDO Support to Iraq & Afghanistan

LTG Shields meets with the Iraqi PM

Iraqi Army soldier using a handheld detector

ANA training on dismounted search methods

ANA EOD Technician checking his EOD kit
JIDO Technology Outreach Partners

**US Government**
- DHS S&T
- I2WD
- SOFWERX
- CTTSO
- SOCOM
- AWG
- RRTO
- REF

**Industry**
- NDIA
- H4D
- IN-Q-TEL
- MASS Challenge
- DIUx
- AFCEA
- MITRE
- Raytheon

**Labs and Academia**
- MIT LL
- STANFORD
- JMU
- Georgetown
- JHU APL
- FSU
- CMU
- GTRI

**International**
- NATO
- Defence S&T Lab-UK
- FVEY
- Heads of Delegation
- International C-IED Steering Committee
Current Efforts

- Counter small UAS
- Standoff Detection
- Advanced EW
- Augmented/Virtual Reality
- Material Exploitation
- Artificial Intelligence/Machine Learning
Solutions to the Warfighter