



# UNMAS

## Mitigating the Threat of IEDs & Bridging the Gaps

**Bryan Sand**  
IED Threat Mitigation Advisory Team  
UNMAS UN HQ New York

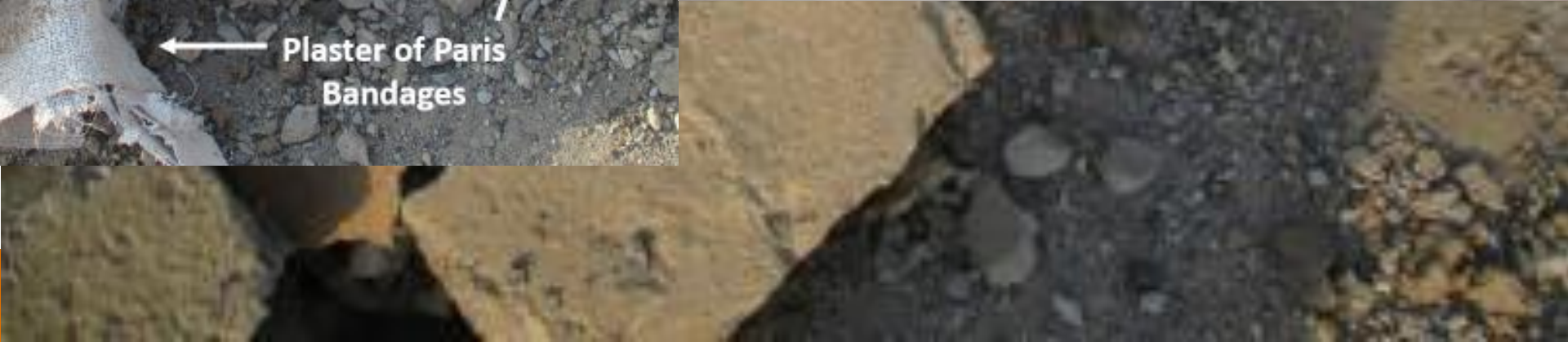
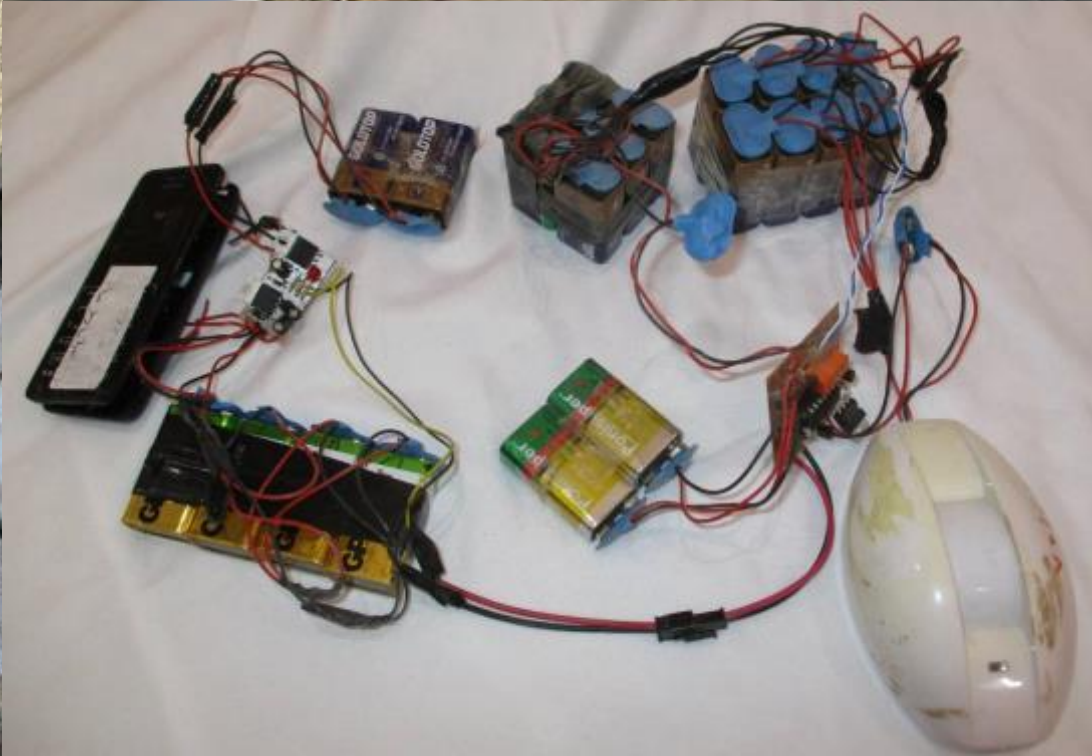
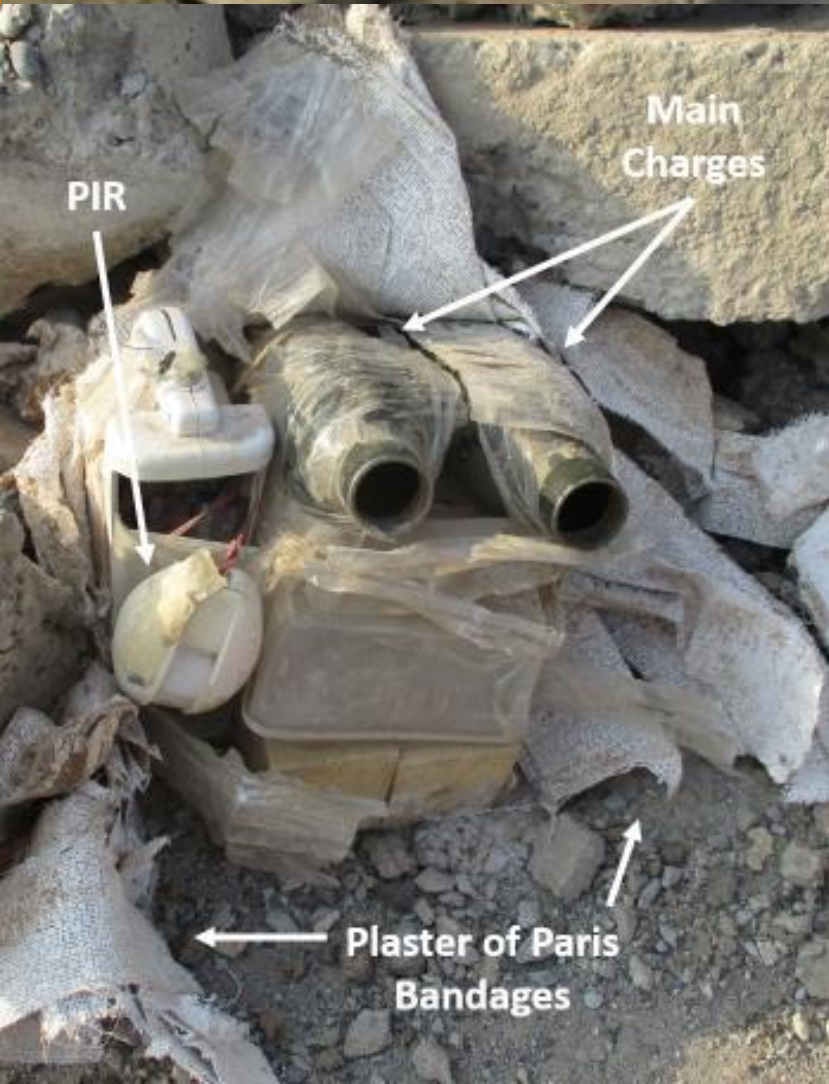


**UNMAS**









Improvised grenades



صور من ورشة التفخيخ



Improvised devices



صور من ورشة التفخيخ



Directional devices



صور من ورشة التفخيخ



@homs\_isis

Improvised Claymores



صور من ورشة التفخيخ



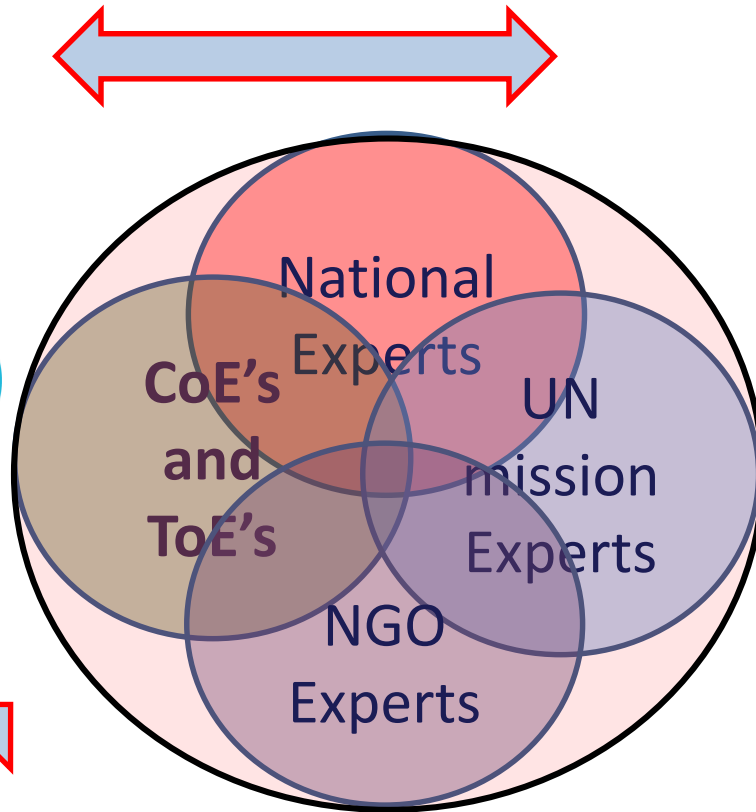
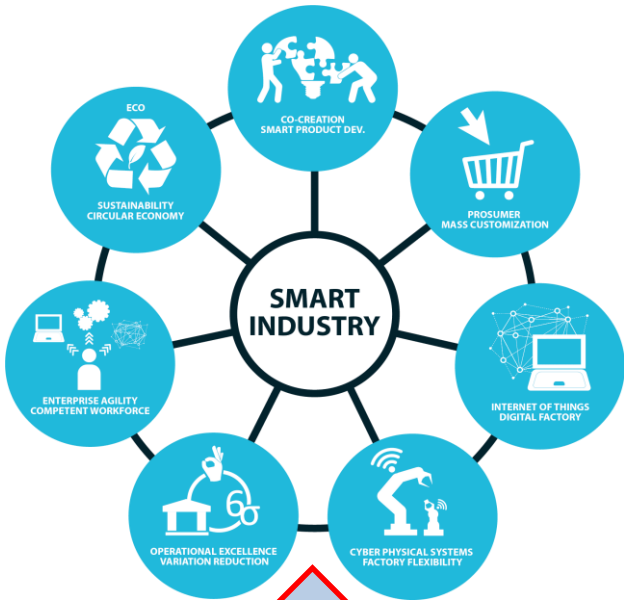
@homs\_isis



UNMAS

# UN SMART IED Threat Mitigation Technology Roadmap (SMITMiTR)

# Scientific Research



UN IED Threat Mitigation ToE

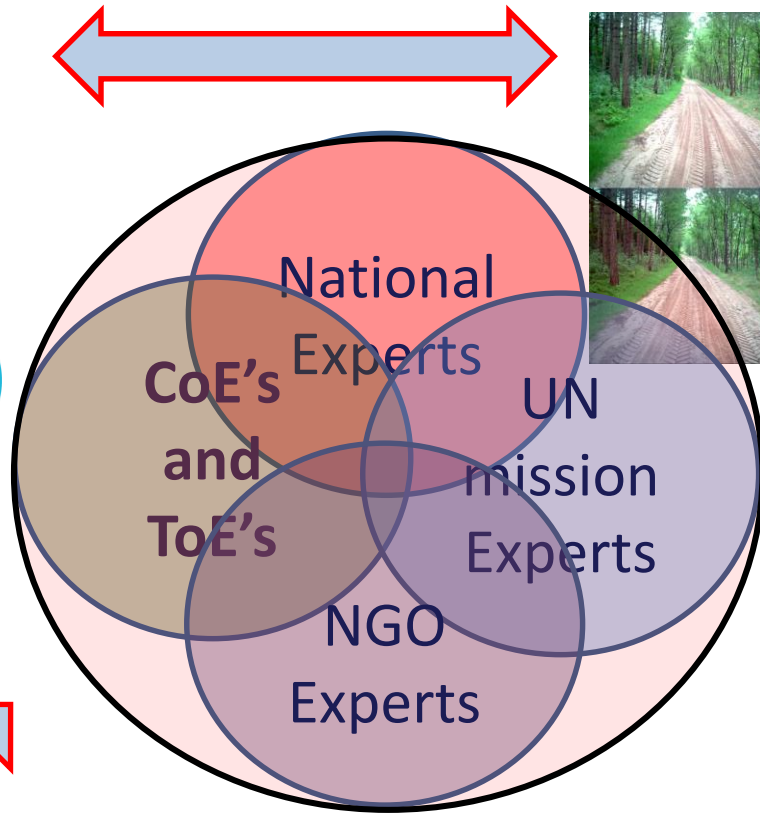


UN SMART IED Threat Mitigation Technology Knowledge & Info Hub

Current and Evolving IED threat

# UN SMART IED Threat Mitigation Technology Roadmap (SMiTMiTR)

# Scientific Research



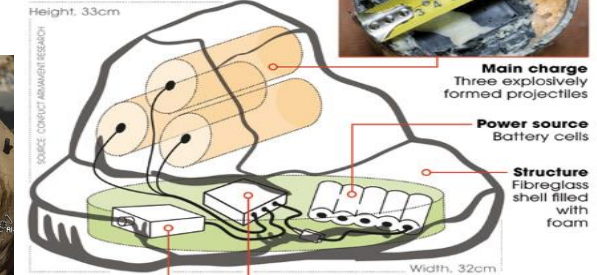
# UN IED Threat Mitigation ToE

# UN SMART IED Threat Mitigation Technology Knowledge & Info Hub



## Hiding in plain sight

Houthi synthetic rock IEDs closely resemble devices recovered in Iraq and Lebanon which have been forensically linked to Iran





- HOME
- Basic entries
- Reports
- Software
- Admin

- Technology
- Threat
- Environment
- Company
- Product
- Platform

Company	Country
<a href="#">Aariona</a>	GERMANY
<a href="#">Achleitner</a>	AUSTRIA
<a href="#">Acustek</a>	IRELAND
<a href="#">Aeraccess</a>	FRANCE
<a href="#">Aerobotica</a>	NETHERLANDS
<a href="#">Airsense Analytics</a>	GERMANY
<a href="#">Akela</a>	UNITED STATES
<a href="#">Alakai Defense Systems</a>	UNITED STATES
<a href="#">American Science and Engineering (AS</a>	UNITED STATES
<a href="#">Apex Global B.V.</a>	NETHERLANDS
<a href="#">ApolloShield</a>	NETHERLANDS
<a href="#">Argo-A Security</a>	UNITED STATES
<a href="#">Audiotel International</a>	UNITED KINGDOM
<a href="#">BAE Systems</a>	UNITED KINGDOM
<a href="#">BATS</a>	BELGIUM
<a href="#">Battelle</a>	UNITED STATES
<a href="#">Bavak</a>	NETHERLANDS
<a href="#">Blighter Surveillance Systems (BSS)</a>	UNITED KINGDOM
<a href="#">Blueprint Subsea</a>	UNITED KINGDOM
<a href="#">Bodkin Design and Engineering</a>	UNITED STATES
<a href="#">Borovo Gummitrade</a>	CROATIA
<a href="#">Bruhn</a>	DENMARK

Record: 8 of 133

Company

Country

Website [www.alakaidefens.com](http://www.alakaidefens.com)

Product	Status	Available
<input type="checkbox"/> CIPS	current	<input type="checkbox"/>
<input type="checkbox"/> CPEDS	current	<input type="checkbox"/>
<input type="checkbox"/> PRIED	current	<input type="checkbox"/>
<input checked="" type="checkbox"/> *		<input type="checkbox"/>

Product

Technology

- Raman spectroscopy
- \*



# UNMAS

## Thank You

SMART IED Threat Mitigation Technology Roadmap