UNMAS IED Threat Mitigation

Smart IED Threat Mitigation Technology Roadmap

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United Nations Mine Action Service

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United Nations entities, under the leadership of the United Nations Mine Action Service, in cooperation with the Office for Disarmament Affairs and other relevant United Nations entities, will promote a strengthened and coherent United Nations inter-agency coordination on improvised explosive devices to ensure a whole-of-system approach.
Mine Action
Two (S)VBIEDs Ber
Main charge of conventional munition

and 400-600 KG of HME
Complex Victim Operated IEDs

- Pressure plates
- Main charge
- Anti-Lift Device
Can you find the threat?
Complex Victim Operated IEDs
IED Threat Evolution and Mitigation

- Capability gaps
- IED TM
- IED sophistication
- IED Threat mitigation efforts
- Capability gaps
- insurgency

Time

IED evolution

UNMAS
UN SMART IED Threat Mitigation Technology Roadmap (SMiTMiTR)

Scientific Research

Standardized Current and Evolving IED threat

UN SMART IED Threat Mitigation Technology Knowledge & Information network

UN SMART IED Threat Mitigation ToE
Understanding the Threat

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

- **Main charge**: Three explosively formed projectiles
- **Power source**: Battery cells
- **Structure**: Fibreglass shell filled with foam
- **Radio control antenna** and passive infrared switch
- **Arming switch** and lamp

Height, 33cm
Width, 32cm

UNMAS
Knowing the Industry
Developing UN SMART IED Threat Mitigation Technology Knowledge and Information management

What is SMiTMiTR Knowledge Management?
Transforming consolidated IED Threat (mitigation) knowledge and information into an enduring value for the IED threat mitigation stakeholders

What are the SMiTMiTR Knowledge Management objectives?
Getting the right information, to the right people, at the right time to help them share experiences and insights to improve the safety in the IED threat (mitigation) working environment

What are the SMiTMiTR priorities?
To enable collaboration and connecting people to information and expertise to get assistance in solving IED TM problems

What are the SMiTMiTR benefits?
• Improve innovation true wider and broader collaboration
• Prevent organizations to “reinvent the wheel”.
• Reduce loss of know-how by capturing implicit and explicit knowledge
SMiTMI TR – Web-Database

NLD Database as Bases
(offline)

UNMAS Database
(web based)
SMiTMiTR – Web-Database

UNMAS Database: smitmit.unmas.org (to be launched in September)
Further develop SMART IED Threat Mitigation Technology knowledge & Information Mgt. system

Build the IED Threat Mitigation Network

Know and connect to the scientific research networks

Analyze current and future threat

Know and connect to the industry Networks

Expand IED Threat Mitigation insights

Way ahead further developing the UN SMART IED Threat Mitigation Technology Roadmap (SMiTMiTR)
SMART IED Threat Mitigation Technology Roadmap (SMiTMiTR)

Knowledge & Information Network
- Information Exchange
- Wide Network
- IED-TM Technology Database
- Including Research & Testing
- Provide Solutions before new IEDs kill

SMiTMiTR a common effort to mitigate the IED threat.

We need your support to be able to support you!

For questions please contact: unmas.ied@un.org
Thank you for your attention! Do you have any questions?