

Scenarios

To populations and organisations worldwide, the threat from insurgents, terrorists and criminals using complex attacks including the use of explosive devices has never been greater.

Tactical weapons, especially IEDs, are now considered to have a strategic effect and provide an asymmetric solution for our adversaries to offset our advantages in technology and numbers.

The defeat of such adversaries requires a sustained and holistic approach, integrated at every level from strategic government policy through to the tactical operator on the ground.

Post conflict countries are contaminated with explosive remains of war (ERW) that not only prevent reconstruction and economic recovery on a national level but cause injury and death to thousands, especially the young, at a local and personal level.

Due to the nature of the topography and munitions, these areas can take decades for clearance operations to be completed, causing regional insecurity and large scale refugee populations.

The ERW and the regional insecurity can also lead to the increased use of IEDs and other attacks, so it is imperative that areas and items are cleared in an expedient yet thorough manner.

EOD and C-IED Consulting Services Include:

Strategic advice on a holistic C-IED and EOD capability strategy including:

- ✓ Threat analysis
- ✓ Equipment procurement
- ✓ Training design and implementation

We advise on the following fields:

- ✓ C-IED tactics for all levels of police, military and commercial security entities
- ✓ IEDD including high threat, non-benign environments, assault IEDD for Special Forces and dynamic entry teams
- ✓ All levels of Humanitarian Demining and Battlefield Area Clearance/ERW operations
- ✓ Search, suitable for police, military and intelligence agencies in an overt or covert role, including sensitive site exploitation
- ✓ CBRNe including single item through to large scale logistic disposal and specialist IEDD
- ✓ Attacking the Network, including exploitation, targeting and operational effects planning
- ✓ Ammunition management including storage, transportation, inspection, surveillance and repair
- ✓ Counter proliferation including regional security studies, stockpile security, tracking and item neutralisation

Optimal Risk offers a first class capability and training service, in all fields of C-IED and EOD and at all levels, from the strategic level to the tactical.

For further information contact us at:

Optimal Risk Management Ltd

SoanePoint, 6-8 Market Place, Reading RG1 2EG

T: +44 870 766 8424

E: enquiries@optimalrisk.com

www.optimalrisk.com



CBRNe

There is a growing number of regional conflicts and the employment of asymmetric means by non-state forces, terrorists and extremist groups is on the rise. Despite sustained efforts in the field of arms control, there is firm evidence of a continuing worldwide proliferation and development of NBC weapons and their delivery systems. There also remains the possibility of release of Toxic Industrial Materials as a result of neglect, natural disaster or deliberate action.

Optimal Risk provides advice, capability, technology and training in the following fields of CBRNe:

- Threat assessment
- Risk management
- The characteristics and effects of CBRNe weapons
- Mitigation and force protection
- Toxic Industrial Materials
- Detection, identification and reporting
- Equipment and training
- EOD/IEDD operations
- Medical countermeasures and support
- Intelligence support

As part of the EOD training, Optimal Risk also provides training for EOD Operators of the police and military whose role is disposal of biological and chemical ammunition. The course includes:

- Ammunition and weapon design
- Task planning and management
- Small and single item techniques
- Multi item and large-scale disposal techniques

Search

Locating and exploiting our adversaries' resources enables intelligence led operations and allows forces to move 'left of the bang'.

Optimal Risk provides operational search teams and equipment capable of operating overtly and covertly to carry out a wide range of search tasks. These can be stand alone operations or fully integrated with EOD forces.

Optimal Risk also provides all aspects of training, suitable for police and military units in both permissive and non permissive environments. Courses include:

- Task appreciation and planning
- Terrorist, insurgent and criminal materials and concealment techniques
- Search techniques for people, buildings, venues, vehicles, areas and routes
- Search equipment and associated reports
- The conduct of team training
- Team management

Ammunition Management

The safe storage, efficient management and security of ammunition stocks are essential in the maintenance of national and regional security.

Optimal Risk provides strategic advice, technology and training in ammunition management, including an ammunition technical course for police and military personnel that are responsible for the logistic aspects of storage and movement of ammunition, both in the field and in purpose built storage facilities. The course includes:

- Ammunition and weapon design
- Ammunition and explosives storage
- Movement of ammunition and weapons
- Surveillance, inspection and repair techniques.

UN Humanitarian Demining & Battlefield Clearance

Across the globe, UXO/ERW remains a threat to daily life and national recovery. Optimal Risk provides EOD advice, operations and fully equipped teams, deployable worldwide to facilitate a rapid and effective clearance of any explosive hazard. We also provide UN standard training for those involved, at all levels, in the field of humanitarian demining and battlefield area clearance.

Each course and its contents are to International Mine Action Standards and include:

- The threat from mines and UXO/ERW
- Survey and search techniques
- Manual and mechanical clearance techniques
- Disposal techniques
- Task and project management

Attack the Network

Security forces worldwide are now faced with an enduring and evolving threat from the use of IEDs and complex attacks. To provide forces with a proactive capability and to utilise intelligence to drive effects-based operations, Optimal Risk offers capability and training of 'Attack the network'.

Suitable for military, police and government intelligence agencies, its content includes:

- The current threats from terrorism and insurgency
- Intelligence-led, effects-based operations
- The use of surveillance and ISTAR technology and techniques
- Sensitive site and post-attack scene exploitation
- Results analysis and assessment of networks and nodal points

Counter Proliferation

In today's uncertain times, in a very connected world, the security of equipment, ammunition and weapons has never been more important. Our adversaries operate on global lines and any insecurity of items can affect regional security. Optimal Risk provides advice at all levels – strategic, operational and tactical, on all aspects of counter proliferation. We also conduct training suitable for anyone studying or operating within this field.

Dynamic Entry IEDD

Today's adversaries use complex attacks to target critical infrastructure and take hostages as part of their campaigns. Hostage Rescue teams require fully integrated IEDD and search support trained in all aspects of assault.

Optimal Risk provides training that is suitable for police and military units whose role is dynamic intervention on land and sea, both domestic and international. The course includes:

- Selection of operators
- Assault techniques
- Insertion skills
- Individual and team armed and unarmed skills
- The use of IEDs and the threat
- Use of ECM
- IEDD render-safe techniques
- Search techniques
- Energetic access techniques
- Training regimes and programme
- Team management
- Assault planning integration

Post Attack Scene Management, Investigation & Intelligence

Since operations across the globe are now more intelligence led and the aim of security forces is to affect adversary operations before they strike or emplace IEDs, the role of the post-attack investigator and supporting intelligence personnel has never been more important.

Optimal Risk provides highly trained and experienced technical intelligence teams, deployable worldwide in both overt and covert roles, and provides training to military and police forces which includes:

- Adversary tactics and their use of IEDs and weapons
- The suicide attack threat
- The use of intelligence in counter terrorism
- Insertion and protection techniques
- Sensitive Site Exploitation
- Surveillance and entry techniques
- Investigative and search techniques
- Forensics
- Assessing adversary current/ future capabilities and intentions



Explosive Ordnance Disposal

Optimal Risk provides EOD services and capability in all aspects of EOD. We also conduct an EOD Operators and Commanders course for police and military EOD forces whose role is disposal of conventional ammunition, on the homeland or as part of expeditionary operations.

The course includes:

- Ammunition and weapon design
- Task planning and management
- Small and single item techniques
- Multi-item and large-scale disposal techniques

Basic, Intermediate and Advanced IEDD Operators

Disposing of IEDs in a safe but forensically useful manner is now more important than ever across the globe. Optimal Risk can provide you with full operational teams in both heavy and light roles, for use anywhere.

We also provide training to EOD Operators and Commanders, suitable for either permissive or non-permissive environments on homelands or on expeditionary operations. The training includes:

- A comprehensive IED and Conventional Ordnance threat brief
- Understanding the suicide attack
- Incident management and media awareness
- Team management and equipment
- Integration of search units and techniques
- IEDD techniques and render-safe procedures for heavy and light operations
- Forensics
- The use of ECM
- Protection and mitigation techniques
- Medical training
- Team training

Counter-IED

Police and military forces worldwide are increasingly affected by our adversaries' use of IEDs.

Optimal Risk conducts Counter-IED training to qualify both practitioners and instructors at all levels, including corporate security officers, customs/border control officers, surveillance and close protection operatives, and military and police at all levels, including intelligence support personnel.

The training includes:

- The use of IEDs and weapons within insurgency and terrorism
- IED effects
- Maritime and airline considerations
- Home-made explosives
- Mitigation techniques and technology
- Search
- Understanding the suicide attack
- The use of intelligence in counter terrorism
- Incident management
- Media awareness and crisis communications

This course is to approved NATO standards