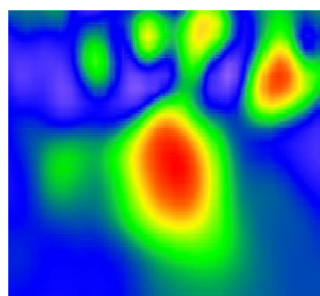


# 2 DAY IMPROVISED EXPLOSIVE DEVICE AWARENESS



*Institute of Munition Clearance and Search Engineers*



**GeoDefinition**

**Helston Forensics**  
FORENSIC BALLISTIC LABORATORIES

## Introduction

The course is designed to provide an awareness of the variety of IEDs, their construction and deployment.

By the end of this course, candidates should be better able to recognise potential threats with a higher degree of confidence, and have an improved understanding of how to identify vulnerabilities in potential targets with a view of how to mitigate risk while focussing resources.

## Agenda

- Basic design
- Type and size of target
- Directing energy
- Forms of trigger
- Timers
- Concealment
- Types of explosives
- Improvised explosives
- IED construction
- Detonation versus deflagration
- Triggers
- Stability and safety
- Lethality
- Secondary projectile
- Drivers and Constraints
- Fire incendiaries
- Future and novel threats

## Notes

1. Candidates will not be handling explosives during this course.
2. All safety equipment where required will be supplied.
3. The course duration will be 09.00-17.30 each day.
4. Refreshments and lunch will be provided.
5. Assistance with hotel bookings will be available from our office staff.
6. A maximum of 8 students per course.
7. The course is available to serving police officers, military personnel, forensic practitioners and certain government departments only. Other candidates will be considered on a case by case basis.
8. The course will consist of presentations and practical sessions, with opportunities for Q & A's throughout the 2 days.

9. This is a CPD-related course. This can contribute to Continuing Professional Development (CPD) and will be evidenced through multiple-choice summative assessment and the award of a course completion certificate.

#### Helston Forensics

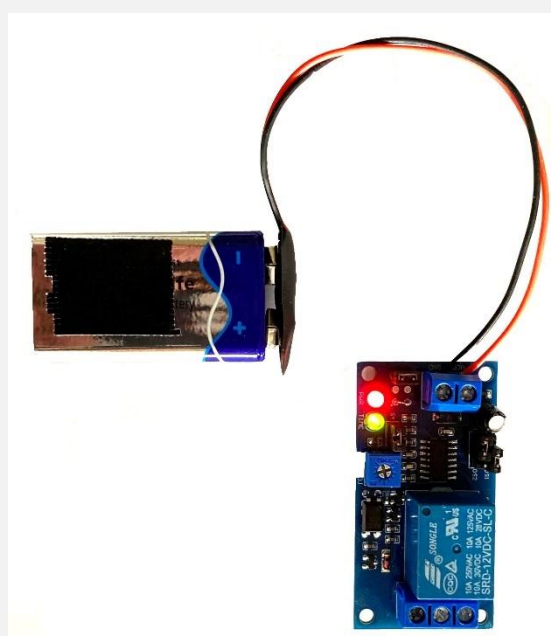
- Helston Forensics was awarded training provider of the year (2023) by the Institute of Explosives Engineers.
- Helston Forensics is a corporate member of The Institute of Munition Clearance and Search Engineers (IMCSE) membership # 1035C

The 2 Day Improvised Explosive Device Awareness Course is developed and run in association with Neill Wood of GeoDefinition Ltd.

Your presenter has a background that includes both military Explosive Ordnance Disposal and a lengthy history of lecturing and training provision. He is a Member of the Institute of Munition Clearance and Search Engineers as well as being a Fellow of the Higher Education Academy and an Associate of the Royal School of Mines.



M6 detonator, careful handling and storage of the sensitive components is required, as despite their small size they can inflict serious injury



Understanding the range of potential components and operating mechanisms can be very important for risk management



The deflagration of a substantial quantity of artillery propellant. Not a detonation but still highly destructive



Old-fashioned flash bulbs can produce an intense deflagration to initiate a larger device



Devices can be placed in a range of items, some may seem obvious, others not so obvious



Timers can be simple or sophisticated, and can serve more than one purpose. They don't all display a time!



A wide range of explosives and accelerants may be deployed, with a broad spectrum of characteristics



Be cautious of movement and wary of using facilities or even moving anything in a location where you suspect that IEDs may potentially have been planted



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