



1ST LINE DEFENCE

UXO Assessed, Mitigated, Managed

UXO Specialist On-site Support



UXO expertise on-site during groundworks. De-risk excavation and drilling with a 1st Line Defence UXO Specialist

Where a risk of UXO has been identified, one of the most conventional risk mitigation measures is to have a UXO Specialist present on-site to support proposed open excavation or site investigation works. 1st Line Defence employ highly trained and qualified ex-military explosive ordnance disposal operatives from the Army, Air Force or Navy (or current reservists) to undertake a range of on-site support measures depending on the methodology of works and nature of the risk.

Watch & Brief Support

If open excavations are planned, and if mitigation measures such as a non-intrusive magnetometer survey are not viable or appropriate, then a UXO Specialist can be provided to support and monitor the works. The operative would work closely with the ground operative/machine operator to ensure that excavations are undertaken in a controlled manner and to provide immediate response to any suspect or suspicious items that are encountered. Any such items can be assessed and identified. If deemed to be UXO or UXO related, direct control measures can be put in place depending on the nature, type and condition of the item. The UXO Specialist will also provide UXO Safety Awareness Briefings to all new ground personnel.

Borehole Support

If a risk from deep buried unexploded bombs has been identified on a site, and ground investigation works such as boreholes or window samples are planned, a hand-held 'down-hole' magnetometer survey can be undertaken. The 1st Line Defence operative would work closely with the drillers to survey each borehole in 1m stages using a specialised probe. The survey would continue until an assessed 'maximum bomb penetration depth' is reached (based on localised ground conditions), at which point the borehole can progress un-supported.

The magnetometer allows the operative to detect buried ferrous anomalies which have the potential to be UXO related. If such an anomaly is detected, the operative can recommend that the borehole is terminated and moved, or the anomaly investigated if necessary.



Got a UXO problem? Need some advice? Looking for a UXO expert?

Call: 01992 245020 or Email: info@1stlinedefence.co.uk

1st Line Defence 3 Maple Park, Essex Rd, Hoddesdon EN11 0EX

Company Reg No. 07717863 VAT Reg No. GB 128883379

Visit: www.1stlinedefence.co.uk

