



1ST LINE DEFENCE

Unexploded Ordnance (UXO) – Support



Watching Brief Support

If open excavations are planned, and if mitigation measures such as a Non-intrusive Survey are not viable or appropriate, a UXO Specialist can be deployed on-site to support and monitor site investigation works.

Our UXO Specialists (who are EOD certified), act as a banksman and would work closely with the ground machine operator to make sure 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 quickly and if deemed to be UXO, depending on the nature, type and condition of the item – immediate UXO control measures can be put in place.

Our UXO Specialists will also provide UXO Safety & Awareness Briefings to all new ground personnel joining the site.



Borehole Clearance Support

If a risk from deep buried UXO has been identified on-site, and ground investigation works such as boreholes or window samples are planned, a hand-held 'down-hole' magnetometer survey can be undertaken.

Our UXO Specialist will work closely with the drillers to survey each borehole in 1m stages using a magnetometer probe. The survey would continue until an assessed 'maximum bomb penetration depth' is reached, at which point the borehole can progress unsupported.

The 'down-hole' magnetometer survey can detect buried ferrous anomalies which have the potential to be UXO related. If an anomaly is detected, the operative can recommend that the borehole is terminated and moved, or the anomaly investigated further if required.

We understand the dynamic nature of project ground investigation works, and we are very accommodating about where and when our UXO Specialists are required.



Search & Clear Support

Where a risk of UXO has been identified on your project, one of the most conventional risk mitigation measures we offer is to have a UXO Specialist present on-site to support open excavation or site investigation works.

We can detect whether UXO is present at relatively shallow depths and if we locate any suspicious items, we can inspect and remove them on-site to make the project and your staff safe.

Alternatively, a 'search and mark' method can be used to identify shallow-buried anomalies which can then be avoided during groundworks.

This type of service would only be recommended in certain circumstances.

For example, it is well suited for UXO clearance of ex-military land such as ranges plus projects that are particularly large or have restricted access – and must be free of background extraneous ferrous contamination.



1st Line Defence
3 Maple Park, Essex Road, Hoddesdon EN11 0EX
Tel +44 (0) 1992 245 020
Email info@1stlinedefence.co.uk

www.1stlinedefence.co.uk

