

Maritime Asset Security and Training Ltd (MAST) is an international security company that provides specialist security services for a wide range of clients. The company specialises in providing an innovative, lateral thinking approach to problems including Explosives Ordnance Survey and Clearance.

MAST has a global reach through an extensive network of offices in the UK, Malta, Djibouti, Oman and South Africa. It is the exceptional nature of its overall team, together with the company's experience, methodology, ethos and service provision that allows the company to achieve the highest quality solutions for its clients.

MAST has three distinct divisions providing security solutions for commercial shipping and maritime infrastructure projects; explosives ordnance survey and clearance and also private security services for super yachts and their owners.





90%
OF LANDMINE VICTIMS ARE CIVILIANS
Source: Newsweek



The Company

MAST offers a comprehensive range of Explosives Ordnance Disposal (EOD) and Mine Action services. MAST can operate on both land and sea and has the experience to handle complex problems in difficult and dangerous environments.

MAST can provide a comprehensive consultancy and clearance capability working in conjunction with Government and Private Industry. The Company has offices in the UK, Malta, Djibouti, Oman and South Africa and the ability to respond to clients worldwide security needs.

The Problem

There remains a latent threat of unexploded mines and ordnance in numerous areas of the world both on land and at sea.

The Solution

In areas that contain unexploded ordnance a systematic survey and clearance operation is essential before the land can be reclaimed for human use. A detailed feasibility study will be started to outline the size and scope of the problem.

Data will be conducted to acquire ordnance data on land or underwater. The follow on phase will clear the ordnance to the area to be reclaimed for use.

45-50,000,000 LANDMINES ARE STILL IN PLACE AROUND THE WORLD
Source: Newsweek

Risk Assessment and Consultancy

MAST will conduct a background survey to establish the threat posed by historic ordnance such as land mines and cluster munitions. MAST will look at the problem to make sure that the risk is reduced to an acceptable level

Project Management

MAST will ensure that the appropriate level of oversight and technical expertise is applied throughout the duration of the project.

All MAST's employees are subject to internal accreditation and external validation ensuring full compliance with appropriate regulations pertaining to location of the task.

MAST Mine Action Services - Unexploded Ordnance (UXO) Survey
A detailed UXO survey will be carried out to locate ordnance and reduce the level of threat to personnel engaged in land reclamation projects or members of the public living in or near the area of concern.

The task is separated into low, medium and high level areas of risk. Once detected, UXO can be pinpointed and recorded before our experts move to the clearance phase.

Non Intrusive Survey

This is a survey conducted at ground level and is best used when searching for items of UXO either on or just below the surface. Success is dependent on the target size, structure, impact burial and composition.

Intrusive Survey

The Intrusive Survey relies upon inserting equipment into the ground and is used to detect UXO that has been dropped from the air which is buried deeper than the detection range of surface survey equipment.

The detection ranges are dependent upon the type of soil, UXO size and orientation. The appropriate survey for each project will be reviewed on a case by case basis as part of the overall risk management process to suit both the environmental conditions and type of target.

Target Investigation or Clearance

After the UXO survey data has been recorded, MAST's UXO Technicians will analyse the data to confirm the identity and status of any UXO. This involves excavation prior to disposal. Once the threat posed by UXO has been removed, the land can be safely used.



MAST Accreditations

MAST is a Registered UN Contractor and a member of the *Association of Diving Contractors UK* and the *International Marine Contractors Association (IMCA)* for its Marine Division, Offshore Survey and Remote Systems.

MAST's Technical Director, **Richard Battrick**, is a Member of the *Institute of Explosive Engineers (MIExpE)* and is also a Full Member of the *Society for Underwater Technology (SUT)*.

MAST is a registered UK Diving Contractor and adheres to the Health and Safety Commission's Approved Codes of Practice (ACOP) for Inland/Inshore Commercial Diving for Underwater Technology (SUT).

'Millions of people in nearly 80 countries still live in fear of landmines and explosive remnants of war, which take an unacceptable toll on lives and limbs, and people's livelihoods.'

Ban Ki-moon Secretary-General of the United Nations

