

SECURING THE WAY TO PROSPERITY



MINE ACTION SERVICES
K9 DEPLOYMENT, TRAINING & SALES
GLOBAL LOGISTICS
GIS SERVICES

34 MILLION SQUARE METERS CLEARED
FROM MINES AND WAR DEBRIS.
100% PROJECT SUCCESS RATE.
ZERO ACCIDENTS.

PEACE OF MIND AND PEACE OF HEART

Maavarim Group specialises in providing comprehensive mine action and homeland security (HLS) services worldwide.

Since our inception in 1995, we have led projects in Africa, Central Asia, South America, Europe and The Middle East, establishing a reputation for excellence backed by a flawless safety record.

A UN-certified supplier, Maavarim use the latest equipment and adhere to operating procedures that surpass the International Mine Action Standards (IMAS).

The results speak for themselves; in the dangerous world of demining, where many projects never are finished, Maavarim have cleared over 34 million square meters without a single accident – and with a 100% success rate.





MINE ACTION SERVICES

Explosive remnants of war (ERW) include everything from various kinds of mines and highly sensitive cluster-bomb blinds to improvised explosive devices (IEDs) and conventional ammunition.

All are potentially lethal, and some are designed to foil any attempt to disarm them. What's more, their whereabouts are usually unknown.

Unfortunately, resources to deal with the complex threat of ERW are often stretched, leading to casualties and stalled projects.

In contrast to this, we have cleared 34 million square meters from ERW without a single accident. So, if you want to be sure, you should really consider your options.

Maavarim is your safe bet.



**COMMERCIAL & HUMANITARIAN DEMINING
BATTLE AREA CLEARANCE
STOCKPILE DESTRUCTION
QUALITY MANAGEMENT
MINE RISK EDUCATION**

EQUALLY AT HOME IN THE COMMERCIAL
AS IN THE HUMANITARIAN SECTOR,
MAAVARIM PROVIDE MINE ACTION
SERVICES THAT ENABLE YOU TO
FOCUS ON YOUR CORE BUSINESS.



COMMERCIAL MINE ACTION

We appreciate the challenges involved in building infrastructure and conducting seismic and geophysical surveys for the oil industry in post-conflict areas. From the very start of the assignment right through surveys to final sign-off, our experienced teams of deminers and engineers do their thing so that you can do yours.

What's more, thanks to the real-time reporting from our GIS department, you can always deploy your assets at the right time and place for maximum efficiency. And you can rest assured that all work will be carried out to your particular HSE standards. In fact, we will establish a special field office charged with the task of ensuring that your HSE standards are adhered to.

REGARDLESS OF THE MINE ACTION SERVICE
YOU REQUIRE FROM MAAVARIM, IT'S REALLY
ALL THE SAME: A TURNKEY SOLUTION
FOR YOUR TOTAL PEACE OF MIND.

ALL PROJECTS UNDERTAKEN BY MAAVARIM
ARE ENTIRELY TRANSPARENT,
WITH REAL-TIME MONITORING
MADE AVAILABLE THROUGH
OUR GIS DEPARTMENT

ISO
9001:2008
XEROX



IMAS
2013

80% OF THE 15,000–20,000 ANNUAL MINE CAUSALITIES ARE CIVILIANS AND ANYWHERE FROM 30% TO 60% OF THESE ARE CHILDREN.



BEFORE



AFTER

Mine clearance allowing for the construction of a new elementary school, East Jerusalem.



HUMANITARIAN MINE ACTION

Explosive remnants of war (ERW) make land unusable to everyone, and they come in many shapes and forms. There are mines made from plastic, glass or wood. There are mines filled with kilos of metal and mines with no metal at all. Mines that will explode when trod upon. Tripwire mines. Bounding mines. Anti-tank mines.

There are mines buried deep underground, mines on roads, in trees and under water. Mines that have been placed by hand and mines that have been scattered from aeroplanes.

Then, of course, there are numberless improvised explosive devices (IEDs) as well as highly sensitive cluster-bomb blinds and many kinds of conventional ammunition. All are potentially lethal, and some are designed to foil any attempt to disarm them. What's more, their whereabouts are usually unknown.

RETURN NO MAN'S LAND TO MAN

Combining our extensive experience and the latest technical assets with a deep understanding of the land release process, Maavarim can cover the largest area in the shortest time and at the lowest cost.

OUR OPERATING PROCEDURES MINIMIZE BUREAUCRACY AND MAXIMIZE FIELDWORK OUTPUT, ALLOWING US TO RETURN LAND TO LOCAL POPULATIONS IN THE SAFEST AND MOST TIMELY MANNER.

// SURVEYS & CLEARANCE

Maavarim conduct all surveys and clearances according to an advanced decision-based system, initiating all clearance projects with a thorough non-technical survey. Such surveys includes collection of all available information on the area as well as mapping with GIS software, GPS, scanners and cameras whenever necessary.

For suspected hazardous areas, technical surveys and possible clearances follow, employing mechanical assets for the potentially dangerous first entry. Deminer and K9 units with metal detectors then provide complementary clearance before the final quality control.

/ EXPLOSIVE ORDNANCE DISPOSAL (EOD)

Maavarim's strict operating procedures guarantee that all explosive ordnance disposal is carried out in a perfectly safe and environmentally friendly manner.

/ STOCKPILE DESTRUCTION

Whether it be through industrial demilitarization, open burning / open detonation (OBOD), Maavarim's safety and environmental standards ensure that stockpiles are destroyed using the optimal method in each instance.

/ BATTLE AREA CLEARANCE (BAC)

When an area is free from mines but contains quantities of conventional ammunition, a systematic battle area clearance (BAC) takes place. This is considerably less involved than demining, but BAC is still subjected to the same rigorous quality assurance and control at the conclusion of the project.

/ UNDERWATER CLEARANCE

Notably, surveys sometimes indicate a presence of ERW in aquatic environments, and you'll be glad to know that Maavarim have a team of navy-trained divers to deal with such threats. Using specialized equipment, we can secure marine areas as well as rivers and lakes. Our ROV operators can even work in the deep sea. So, no matter where mines are, Maavarim will clear them for you.

/ QUALITY MANAGEMENT (QM)

Maavarim maintain a strict system for quality assurance and control. Internal evaluations initiate each project, with mission-specific training implemented when required. Evacuation drills are standard, as are periodic tests of equipment and surveys. What is more, Maavarim not only coordinate with UN Mine Action Service representatives as per IMAS; we also always adhere to your particular quality management standards and document every action for future reference.

/ MINE RISK EDUCATION (MRE)

Complying with IMAS, we apply our vast experience in tailoring mine risk education to different audiences to achieve maximum understanding among affected populations.

DRAWING ON MANY YEARS OF EXPERIENCE, MAAVARIM RELIES ON THE BEST PERSONNEL AND THE LATEST EQUIPMENT AND PRACTICES.

) CREW

Including former members of the Israeli Defence Force's bomb squads and other elite military and police units, Maavarim's tightly knit team work as smoothly through bureaucratic procedures as in the field.

Any new recruits undergo extensive training before being deployed, and all staff regularly attend refresher courses and are continually kept up to date with the latest technology and practices.

) EQUIPMENT

Having access to everything from ground-penetrating radar and remote-control underwater cameras to robotic or manned armoured vehicles with crushers, tillers, chains or flails, Maavarim use whatever tools needed to do the job. This includes some of the world's most efficient dog units; Maavarim pioneered training of explosives detection dogs and remain a leader in this field.

) LOGISTICS

Maavarim's personnel are entirely self-sufficient, with transport, accommodation, tools and supplies provided in accordance with your HSE standards. All we need from you, is a brief.



**CUSTOMIZED GIS SOLUTIONS TO
SUPPORT ALL YOUR MONITORING
AND REPORTING NEEDS**



GIS SERVICES

Maavrim's GIS department provides real-time monitoring of all our projects and offers a number of services on a standalone basis.

We can deploy a fleet of aircraft and use scanners and cameras paired with GPS to produce high-resolution aerial photography, maps and elevations models for establishing and maintaining databases.

Facilities for mounting of a wide range of geological survey equipment and other devices are also available.

**WITH MAAVARIM, YOU WILL ALWAYS HAVE AMPLE DATA
ON WHICH TO BASE YOUR DECISIONS AND REPORTING.**

MAAVARIM OFFER TURNKEY GLOBAL LOGISTICS, GUARANTEEING ADHERENCE TO YOUR PARTICULAR HSE REGULATIONS AS WELL AS TO OUR OWN STRICT STANDARD OPERATING PROCEDURES.



Thanks to an excellent network of international contacts, we can quickly take care of all bureaucratic procedures and set up a fully self-sufficient customized camp for you on short notice.

GLOBAL LOGISTICS

FLY CAMPS

Whether permanent or nomadic, all Maavarim camps come with a full range of infrastructure – from transport, accommodation and communications to mechanical workshops, medical clinics and supply lines.

MEDICAL TEAMS

Our teams of doctors and medics come with extensive experience from military as well as civilian general practice and trauma care. They are available as part of our camp services or as consultants to clients who run their own field operations.

EXPLOSIVES STORAGE

Maavarim's short- and long-term explosives storage services build on our vast experience in demining and EOD. Every storage facility offers optimal safety and is supervised by qualified managers.



K9 DEPLOYMENT, TRAINING AND SALES

Dogs have senses unmatched by any technology in existence today, and they are integral to our work, taking part in most of our mine action projects and HLS services.

For this, we always have and always will be using dogs that we have trained ourselves. And for good reason – Maavarim's K9 division was among the first in the world to develop explosives detection dogs for the civilian market.

OUR EXPERTS HAVE BEEN THERE FROM THE VERY BEGINNING AND TRAINED HUNDREDS OF DOGS AND HANDLERS FOR PRIVATE CORPORATIONS AS WELL AS FOR POLICE AND MILITARY FORCES WORLDWIDE.

They don't only know all the ins and outs of K9 training; they also know how to pick what individual dogs will be suitable and what individual handlers these dogs will work best with (an intuitive skill that takes form only after many years of experience).

MAAVARIM OFFER A WIDE RANGE OF K9 PRODUCTS:



DEPLOYMENT OF K9 UNITS FOR CONTRACT WORK INCLUDING EXPLOSIVES DETECTION DOGS, DRUG DETECTION DOGS, MINE DETECTION DOGS, POLICE DOGS, GUARD DOGS AND SEARCH-AND-RESCUE DOGS.

DEVELOPMENT OF NEW K9 UNITS INCLUDING ALL TRAINING FOR DOGS AND HANDLERS AS WELL AS INSTRUCTIONS FOR OPERATIONAL ROUTINES AND CONSTRUCTION OF KENNELS AND TRAINING FACILITIES

SALES OF TRAINED DOGS TO CLIENT-SPECIFIC MISSION PROFILES

TRAINING OF DOG HANDLERS INCLUDING MATCHING WITH SUITABLE DOGS

IMPROVEMENT OF ESTABLISHED K9 UNITS

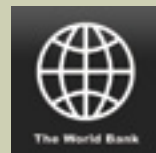
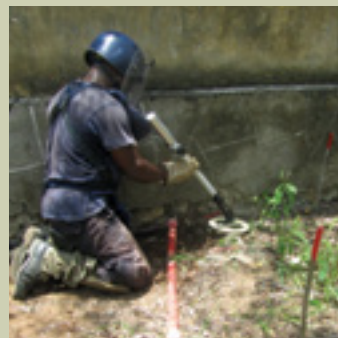


ALL DEPLOYMENT SERVICES AND COURSES ARE COMPREHENSIVE AND TAILOR-MADE TO THE CLIENTS' NEEDS, AND ALL DOGS HAVE THE REQUIRED VETERINARY CERTIFICATION TO ENSURE THAT THEY REMAIN HEALTHY, HAPPY AND EFFICIENT.

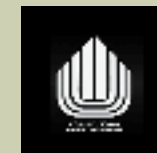
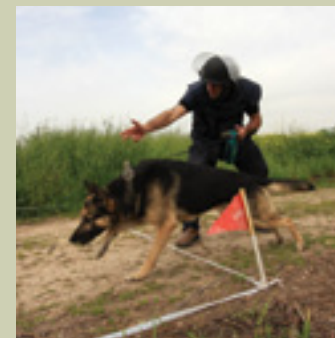
1 SELECTED PROJECTS



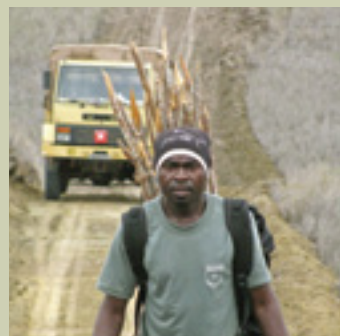
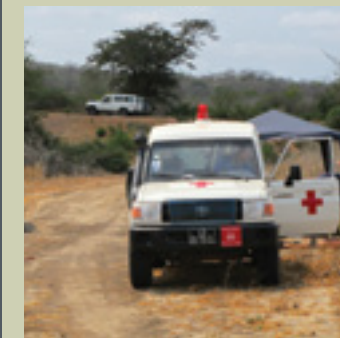
SONANGOL
Mine and battle area clearance as part of the seismic and 2D surveys.
KWANZA BASIN, ANGOLA.



WORLD BANK
Mine and war-debris clearance of contaminated train station.
SUNJA, CROATIA.



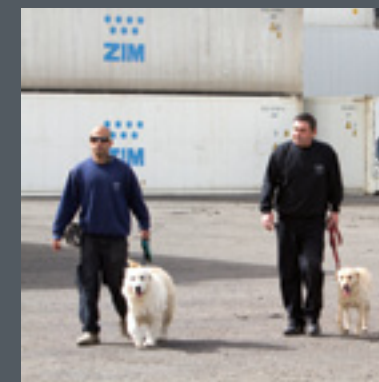
ISRAELI MINISTRY OF DEFENCE
Clearance of 300,000 M² of anti-personnel minefields.
JORDANIAN / ISRAELI BORDER.



ISRAELI ELECTRIC CORP.
Battle area clearance for the construction of new relay infrastructure.
HAIFA, ISRAEL.



ODEBRECHT
Quality management of clearance operations for new refinery construction.
LOBITO, ANGOLA.



NORTH IRAQI POLICE
Establishment of an explosives detection K9 unit for the Iraqi security forces.
IRAQ



ORT TECHNOLOGY INSTITUTE
Mine risk education in communities.
MONTENEGRO / ALBANIA BORDER (After Balkan war)



IBC
Mine clearance for construction of business park.
GOLAN HEIGHTS, ISRAEL.



ISRAELI POLICE
Continuous operation of dozens of explosives detection teams.
BEN GURION INT'L AIRPORT.





ISO
9001:2008
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IMAS
2013

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