

LAHAB
MILITARY SERVICES

**G O I N G
B E Y O N D
M U N I T I O N S**



WE ARE LAHAB MILITARY SERVICES

INNOVATION AND SUPPORT FOR DECADES TO COME

At LAHAB MILITARY SERVICES, we go beyond munitions. We are transforming the entire munitions value chain. As the UAE's only munitions manufacturer, we put over 25 years of expertise and experience to work for leading defence and security organisations, law enforcement agencies and sports clients.

Today, we have strengthened our product portfolio and focused our business with the creation of a specialist Military Services unit dedicated to supporting you and your forces long after you have acquired your munitions. This new division is designed to bring together a host of essential support services – from training to engineering – all in one place. Driven by you. Your operations. And your teams.



Caliber:	5.56 x 45 mm (M855)
Distance from the mouth of the weapon:	100 m
Type of Plate	Mild Steel
Thickness	10 mm

ABOUT LAHAB

INNOVATING TOMORROW'S MUNITIONS

At LAHAB, we offer expert support through the munitions lifecycle - from assembly to decommissioning and beyond - by harnessing the latest technologies and advanced manufacturing capabilities. As a key player in the Missiles & Weapons cluster at EDGE, our Continuous Improvement Programme adopts cutting-edge technologies including process optimisation and, in the future, robotics production using high-precision tools.

TODAY, WE PROVIDE SERVICES ACROSS THREE EXPERT DIVISIONS:

LAHAB

LIGHT AMMUNITION

Small calibre ammunition design, development and production.

LAHAB

DEFENCE SYSTEMS

Medium and large calibre munitions and weapons systems.

LAHAB

MILITARY SERVICES

Training, testing, engineering, simulation, demilitarisation and disposal, and SLS services.

EDGE

ENABLING A SECURE FUTURE

EDGE is an advanced technology group established to develop agile, bold and disruptive solutions for defence and beyond. Enabling a secure future, it is dedicated to bringing innovative technologies and services to market with greater speed and efficiency.

Starting with breakthrough innovations in the strategically important sector of defence, EDGE places a priority on national security. Consolidating over 25 entities and employing more than 12,000 brilliant minds, it offers expertise across five core clusters: Platforms & Systems, Missiles & Weapons, Cyber Defence, Electronic Warfare & Intelligence, and Mission Support.

OUR SERVICES

PARTNERSHIP THROUGH THE AMMUNITION LIFECYCLE

TRAINING

Our UK-accredited training courses in Ammunition Management for activity and processes before, during and after manufacturing are among the regions most comprehensive. Run by fully qualified and highly experienced international experts, we can provide training in the UAE or at your own facilities worldwide.

Your staff need continuous training and development where it matters most. Which is why our in-depth courses enable you to understand, manage, maintain, store, transport and dispose of your ammunition safely and efficiently in accordance with ammunition best practice and the International Ammunition Technical Guidelines.

OUR TRAINING COURSES INCLUDE:

- Ammunition and Explosives Foundation Course
- Ammunition Technician
- Ammunition and Explosives Storage Management
- Ammunition and Explosives Transportation
- EOD Certification
- HAZMAT
- Firing Officers Course
- Explosive Facilities Licensing
- Range and Proof Officers Course
- Ammunition Surveillance
- Ammunition Manufacturing and more
- We also design tailor-made training to suit your specific operational requirements

TESTING

At LAHAB, our dedicated facilities for ammunition and components testing are among the best staffed and equipped in the MENA region.



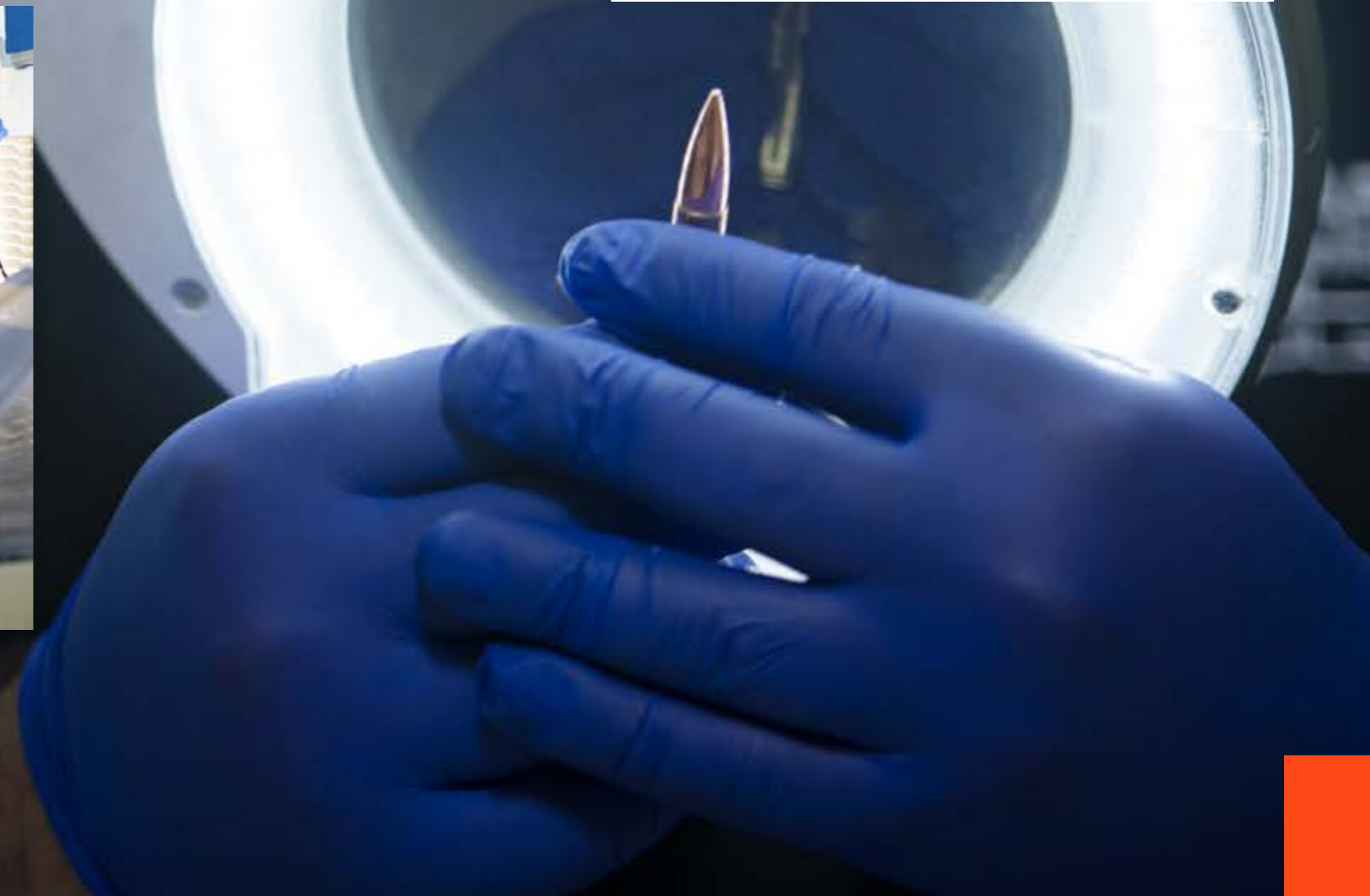
X-RAY LABORATORY

Our X-Ray laboratory undertakes full X-Ray inspection of a wide range of ammunition and components in order to ensure safety and quality. Our X-Ray technology is able to analyse large items such as aircraft MK-84 general purpose weapons.



CHEMICAL LABORATORY

Backed by advanced technology and the skills of expert ammunition specialists, our labs perform rigorous analyses of chemicals, raw materials, pyrotechnics and explosives to meet the latest international standards. We can also conduct custom-designed testing for specialist missions and applications.





TESTING RANGE

At LAHAB MILITARY SERVICES, our own purpose-built test range can perform a multitude of tests on raw materials, components, protective materials and complete products including most types of ammunition. Delivered by experts following international standards, we can also arrange custom-designed tests to fulfil any specialist requirements. Tests requiring larger operating areas can be performed using our mobile test range.



MOBILE TEST RANGE

Our mobile test range can be deployed safely in remote locations and military ranges to support tests that require larger areas, including artillery operation, ordnance detonation and testing armoured vehicles and protective materials.

The mobile facility features all the technology needed to evaluate performance, including Doppler radar, high speed cameras and blast overpressure sensors. Designed and prepared to meet the highest safety levels, performance criteria and compliance, our on-site tests are performed to international standards by our experts and can be tailor-made to meet your specific requirements.

SERVICE LIFE SURVEILLANCE (SLS)

At LAHAB MILITARY SERVICES, we have high-level capability in Service Life Surveillance – covering the entire ammunition lifecycle. From ammunition handling, storing and transporting to utilisation, we can help you not only to stay safe and secure, but to extend the serviceable life of your resources and maximise its value over time by testing, evaluating and recommending the optimal course of action. We can also support you in implementing your own SLS protocols so you can make the most informed decisions.



TESTING

As part of our SLS offering, we test and trial ammunition per lot, per location, with a comprehensive suite of tests including:

- Visual examination
- X-Ray examination (where relevant)
- Chemical analysis to measure stability and status in the lifecycle
- Dynamic evaluation (where relevant) through static and functional trials.



INSIGHTS

Our SLS insights enable you to determine:

- Ammunition available for operation and deployment
- Ammunition safe for storage and transport
- Ammunition unsafe for storage
- Unserviceable ammunition
- Ammunition requiring refurbishment, demilitarisation or disposal
- Surplus stock planning
- Budgeting.



CONSULTING

In addition, we offer SLS consulting services including:

- Ammunition and explosives incidents and enquiries
- Ammunition management documentation.

ENGINEERING

At LAHAB MILITARY SERVICES, our comprehensive technical support and engineering expertise covers process design, product design and development, plant design, safety analyses, and technology transfer, and a host of others technical services for the defence and security sector.

SIMULATION

From safety traces analyses and blast overpressure analyses, to internal, external and terminal ballistic analysis, we have the talents and technologies to perform computational simulation, providing analyses for the most diverse range of situations and applications.

DEMILITARISATION AND DISPOSAL

At the end of the ammunition lifecycle, we are the only local specialist to provide full demilitarisation and disposal services for military product, as well as the disposal of commercial materials including mining explosives and fireworks.

Disassembling products with care and neutralising volatile materials with environmentally-friendly processes to the highest standards, we ensure the safe and correct disposal and/or reworking of expired or unsafe ammunition and components.

OUR CERTIFICATIONS INCLUDE:



**DESIGNING.
MANUFACTURING.
TRAINING.
CONSULTING.
DEMILITARISING.
DISPOSING. —**



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