

LAVR

ENHANCING NATIONAL AIR DEFENCE CAPABILITIES

PROPOSAL FOR THE MODERNISATION OF
AIR DEFENCE SYSTEMS



ABOUT US

- LAVR UK are a privately owned, British, multi-national company and authorised importer and exporter of military grade goods.
- LAVR UK was established to bring you tailor made and revolutionary solutions to meet your strategic needs.
- We specialise in a range of services, including the manufacturing of multi-purpose drones, drone detection and protection systems, armoured special vehicles, shell and mine casings, ready-to-use ammunition, port security & ISPS compliance and artificial intelligence systems.



PROPOSAL BACKGROUND



LAVR UK Ltd hereby presents a comprehensive proposal for cooperation in the field of air defence system modernisation, missile upgrade, and full-cycle maintenance, repair, and overhaul (MRO), aimed at significantly enhancing national air defence capabilities in a cost-effective, rapid, and operationally proven manner.



We specialise in the provision, repair and maintenance of air defence systems, utilising specialist mobile field teams, as well as in the supply of air defence components and modules.



THE STRATEGIC CONTEX

Modern conflicts demonstrate that air defence effectiveness are being increasingly challenged through the:

- »» Mass use of low-cost UAVs and loitering munitions;
- »» Use of cruise missiles with low radar cross-section;
- »» High operational tempo causing accelerated wear of legacy air defence systems;
- »» Long procurement cycles and high costs of new-generation systems.

Given this context, the modernisation and life-extension of existing air defence assets, combined with targeted upgrades, to combat against contemporary threats, represents a highly efficient alternative to full system replacement.

LAVR UK CAPABILITY & ROLE AS A STRATEGIC PARTNER



01

LAVR UK acts as a prime contractor, system integrator, and programme manager, delivering comprehensive defence solutions, fully compliant with UK and international regulatory, export-control, and governance standards.

02

Through a structured partnership model, grounded in certified engineering and industrial entities, LAVR UK provides governments with a single accountable interface, ensuring transparency, predictability, and controlled execution of complex defence programmes.

03

LAVR UK proposes a full-spectrum air defence support and modernisation framework, including a number of critical upgrades, securing national air defence systems against contemporary threats.

AIR DEFENCE SYSTEMS MAINTENANCE, REPAIR AND OVERHAUL (MRO)



AS PART OF OUR SERVICE, WE OFFER FULL-CYCLE MRO SERVICES FOR A WIDE RANGE OF AIR DEFENCE SYSTEMS, INCLUDING BUT NOT LIMITED TO:

- »» 2K12 “Kub” (all modifications);
- »» Buk systems;
- »» C-300 / C-300V;
- »» S-125;
- »» Tunguska, Shilka;
- »» Gepard / Cheetah;
- »» Gravehawk, Stormer HVM;

- »» MIM-23 HAWK;
- »» Stormer;
- »» Short-range systems and MANPADS families (Aspide, Stinger, Avenger, Crotale, Starstreak);
- »» Missile upgrades ensuring guaranteed destruction of drones and low-RCS cruise missile targets;
- »» Full integration of modern interceptors into layered air defence systems.



LAVR UK EXPERTISE

Our Services Include:

- »» Technical diagnostics and condition-based repair.
- »» Component restoration and replacement.
- »» System refurbishment and life-extension.
- »» Deployment of mobile repair teams.
- »» Post-repair testing and certification.
- »» Warranty and post-warranty technical support.

We provide rapid restoration for combat readiness, reducing system downtime, whilst lowering system lifecycle expenses, compared to system replacement.

THE MODERISATION OF LEGACY AIR DEFENCE SYSTEMS



»» Our modernisation programmes for legacy air defence systems, focused on:

- »» The improvement of detection and engagement of low-observable targets.
- »» Extending service life of existing assets.
- »» Adapting systems to modern operational environments.

»» A particular focus is placed on the modernisation of 2K12 “Kub”, including:

- »» The upgrade of engagement logic and system architecture.
- »» Compatibility with modern engagement doctrines.
- »» Preparation for pilot operation, live-fire trials, and phased operational deployment.

GUIDED MISSILE MODERNISATION PROGRAMMES

Our expertise includes modernisation of guided surface-to-air missiles, notably:

- »» 3M9M / 3M9M3 Missiles (2K12 “Kub”) and;
- »» HAWK MIM-23.

Our proposed missile upgrade programme addresses the historically low effectiveness of legacy missiles.

The programme is designed to address the low effectiveness of legacy missiles, supporting against:

- »» UAVs and loitering munitions;
- »» Cruise missiles;
- »» Low-RCS aerial targets.





UPGRADE CAPABILITIES

01

Modernisation of radar proximity fuse sensitivity and logic.

02

Optimisation of warhead detonation algorithms.

03

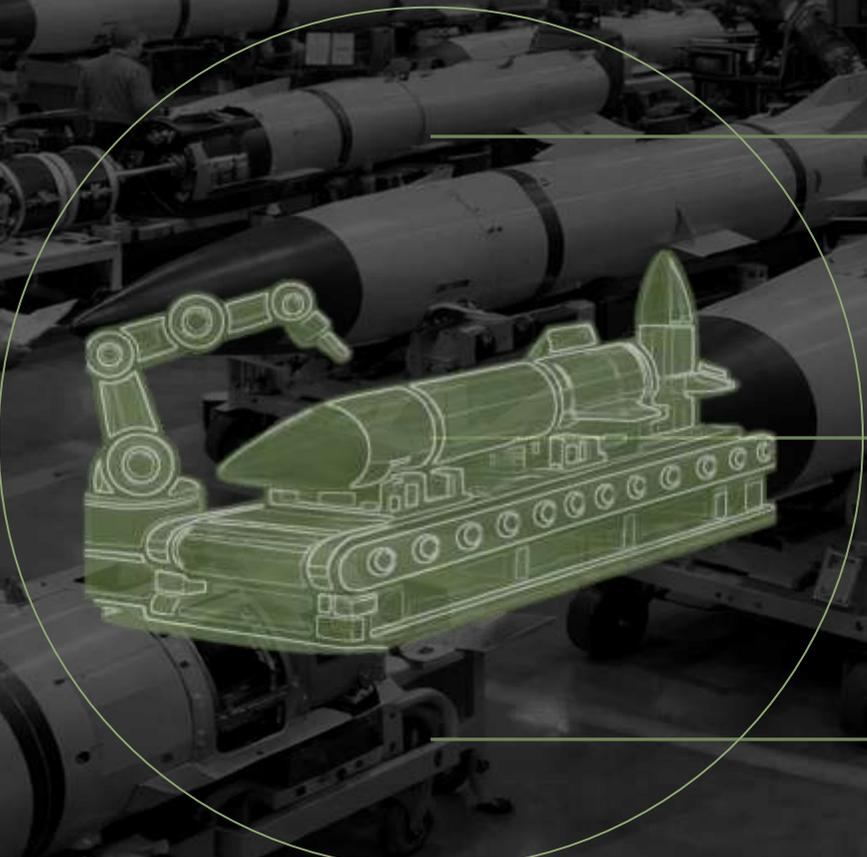
Improved engagement probability against small and fast targets.

04

Refurbishment and life-extension of missile components.



PRODUCTION CAPABILITIES



Up to 100 missiles per month.



Scalable to 1,000 missiles per year.



Full quality control and technical acceptance.



HAWK MIM-23 GUIDED MISSILE MODERNISATION



Alongside the 2K12 “KUB”, the HAWK MIM-23 Missiles also face identical limitations when engaging low-observable targets.



Utilising the same modernisation principles and technologies, Our modernisation of the HAWK MIM-23 Missiles significantly increases target strike probabilities.



Remobilising existing stockpiles and significantly reducing the cost of operations when compared to the procurement the newest and modern missiles.

INTEGRATED COUNTER- UAS & LOW- COST THREAT DEFENCE



By combining the following systems:

modernised air defence
systems;

upgraded missile
stocks;

optimised engagement
logic;

Alongside the integration of existing in-service SAM command-and-control and interceptor management systems.

LAVR UK delivers effective counter-UAS and cruise missile defence solutions, specifically designed to counter mass, low-cost aerial threats without economically unsustainable interceptor usage.

Offering a secure and reliable first line of air defence, successfully engaging small targets at ranges of 70–100 km, using the standard guidance systems of the SAM platforms.



OUR SERVICE AND REPAIR HUB MODEL

SERVICE AND REPAIR MODEL STRUCTURE

The establishment of regional service and repair hubs will provide:

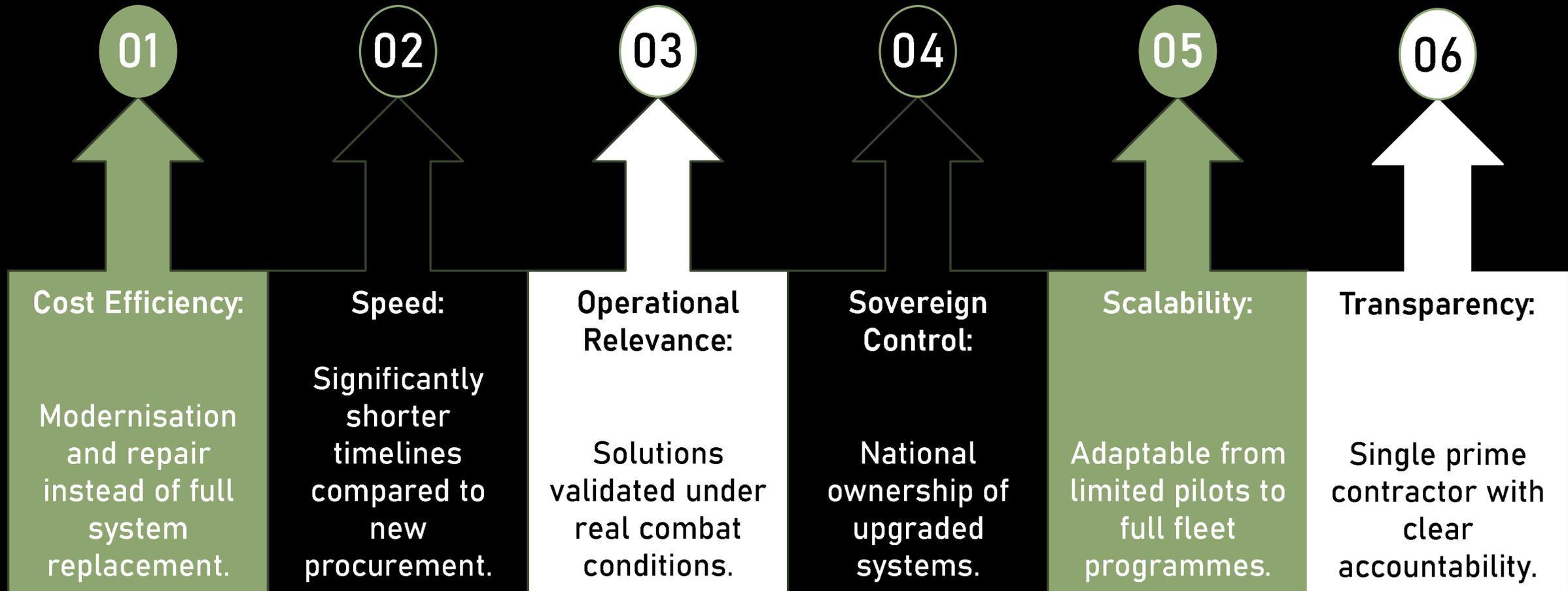
- »» Localised maintenance and repair capability;
- »» Reduced logistics burden;
- »» Faster turnaround times;
- »» Secure and transparent technical processes.

OPERATING MODEL BENEFITS

The benefits of utilising this model also enables:

- »» Cooperation with OEMs and international partners;
- »» White-label or subcontractor service arrangements;
- »» Scalable support for multi-national defence programmes.

KEY ADVANTAGES FOR THE MINISTRY OF DEFENCE





PROPOSED NEXT STEPS

LAVR UK proposes to initiate cooperation through:

1. Technical consultations and system assessment.
2. Definition of priority systems and missile inventories.
3. Development of a phased modernisation and MRO roadmap.
4. Pilot programme implementation.
5. Transition to serial modernisation and long-term support.

LAVR UK stands ready to act as a trusted strategic partner, delivering practical, combat-proven, and economically sustainable air defence capabilities tailored to the Ministry of Defence's operational requirements and security needs.