



LICORNE C²

LIGHTWEIGHT WEAPON SYSTEM
DEDICATED TO GBAD AND C-UAV OPERATIONS



LICORNE is the backbone of MBDA's SHORAD/ VSHORAD and C-UAV SKYWARDEN solutions for air defence operations.

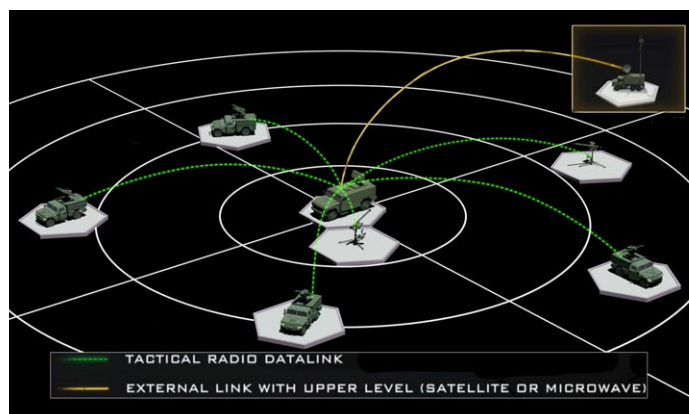
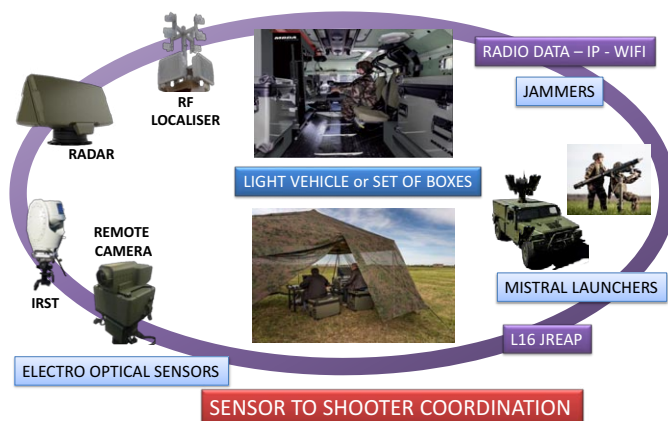
LICORNE C² is a compact and lightweight C² (command and control) that provides a full range of information to decision makers. LICORNE C² provides a situational awareness on a wider threat spectrum 24/7, with the capability to integrate into a global air defence through tactical data link (L16, JRE or national protocol).

Adapted to manage a simultaneous variety, LICORNE is designed to simultaneously manage various types of sensors like radar, electro-optical and EW, and various types of soft kill (ie. jammer) and hard kill effectors (ie. missiles, lasers etc).

The LICORNE inherits more than 20 years of MBDA experience in Ground Based Air Defence systems (GBAD C²), with more than 70 GBAD systems sold over the world.

Product key features

- Flexible design allowing integration in vehicle, as well as disembarked solutions
- Management of the Threat Evaluation and Weapons Assignment (TEWA)
- Ready to be networked with a wide suite of sensors (radars, remote cameras and RF finders) and effectors (machine guns, jammers, DEW, UAVs, and all Mistral launchers)
- Easy to integrate in a wider defence network, thanks to tactical data link (JREAP-C or national)
- Compatible with ASTERIX and SAPIENT protocols



GROUND BASED AIR DEFENCE

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Main characteristics

- Command & Control of Air Defence (AD) operations
- Flexible configuration tailored to the mission
- Situational awareness through:
 - Local air picture from local radar(s) and other sensors
 - Collaborative LICORNE C²
 - Upper level shared air picture
- Integration within an overall AD structure thanks to the tactical data link
- Threat evaluation and prioritisation
- Management of engagement (policy, rules etc)
- Weapon coordination and target assignment:
 - Selection of the most appropriate effector
 - Cueing and control of effectors
- Control and display the engagement sequences until target neutralisation
- Friendly ergonomic interface.

Additional integrated capabilities

- Centralisation and visualisation of the status of the subsystems
- Mission planning
- Embedded training
- Recording for training, operational post analysis and proof

An agile configuration

- LICORNE C² configuration is tailored to customers' needs and mission; transportable version in boxes or integrated in vehicle
- Fully autonomous including GPU
- Operational in 15 minutes
- Wide suite of radar already integrated (SAAB G1X, ELTA ELM 2026B, RADA MHR, WEIBEL XENTA etc)
- Wide suite of effectors: MISTRAL launchers, jammers, drone killers and catchers
- Low manpower – only two operators are necessary for operation

Missile characteristics



- Fire-and-forget
- First VSHORAD missile with IR matrix imager
- 20 years lifetime without maintenance
- Over 96% kill probability – demonstrated on operations
- Immune to all known IR countermeasures

Length:	1.88m (incl. launch motor)
Weight:	less than 20kg
Maximum diameter:	~92mm
High manoeuvrability:	up to 30g
Interception range:	up to 8,000m
Interception altitude:	up to 6,000m
Min. interception range:	500m

- High supersonic speed – short interception time
- 3kg warhead coupled with laser proximity and impact fuze
- Qualified for use in extreme conditions
-40°C to +71°C

