



## **LYRA 10**

**FOR MOBILE CONFIGURATION**

LYRA 10 is a SELEX Sistemi Integrati short range surveillance radar suitable for integration on a wide family of both military and civil land platforms like LTMVs (Light Multirole Tactical Vehicles) and commercial cross-country vehicles, for Homeland Security and Homeland Defense applications. The Lyra 10 belongs to the SELEX Sistemi Integrati Lyra Radar family.

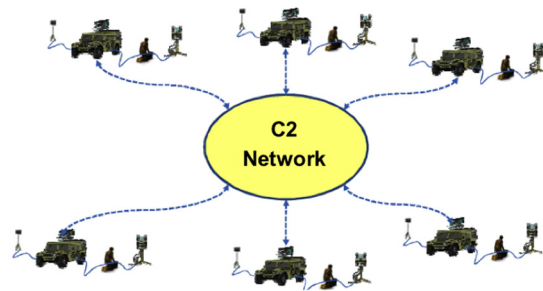
The availability of radar sensors in mobile configuration can provide a significant answer to the need of vehicles autonomous discovery during special forces operations (convoys escort, protection checkpoints) and for homeland security applications (border and critical areas surveillance, VTS).

In particular, LYRA 10 is a Coherent Pulse-Doppler radar operating in X Band, based on solid-state technology for high reliability, low maintenance and low-life cycle cost. Thanks to its small dimensions and with a weight of about 25 Kilos, Lyra 10 is available for fixed installations on tower and in mobile configurations for both man-portable containers and vehicles.

Characterized by high performances, the land LYRA 10 radar can provides automatic classification of different targets, like men, very small and small boats and vehicles, medium vehicles and boats, helicopters up to a range of 24km. In addition the radar can detect a critical target through video and audio signals, with remote data transmission and control.



The new configuration for LTMV (Light Multirole Tactical Vehicles) includes an electro-mechanical kit for LYRA 10, suitable to install the radar on any vehicle of this category. This system does not affect internal LTMV volume, whose load capacity is not modified after the radar installation. In fact the vehicle can still contain five people as foreseen with their equipment stored in the rear cabin. In addition, the radar activation can be completely carried out by the operator inside the vehicle, maintaining a shielded position during all the activation phases.



Such a system is equipped with a proper communications device allowing to exchange information related to the radar and to the vehicle (traces, designation, GPS status, etc...) with the Command and Control of other Systems.

