



Reticle ranging



High Reliability



Intelligent



Water and
Dust Proof



Multiple
Functions



Auto detection
of faults

VISION رؤية
2030
المملكة العربية السعودية
KINGDOM OF SAUDI ARABIA



Karakal



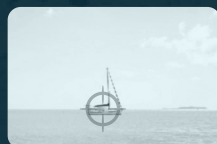
Protect important,
maritime infrastructure



Identify and monitor
any moving target



comprehensive detection
and tracking of drones



Track, approaching
warnings Strictly prevent

Radar Detection

UAV (RCS 0.01m ²)	3,000m
WP (RCS 0.5m ²)	7,000m
SV(RCS 4m ²)	15,000m
Azimuth FOV	±45°
Pitch range	8° (±40)
Weapon range	2:5<0 km

KARAKAL is a complete Hybrid Electromagnetic RWS Anti-Drone System (HERWS), it is a new EMG technique that consists of a booth Rail and coil Electromagnetic gun, and it combines the advantages of Coil & Rail Electromagnetic systems, The Key features of Karakal are:

Improve Detection & Tracking:

The combination of radar and electro-optical systems provides comprehensive detection and tracking of drones, even in low-visibility weather.

Fast and Direct Firepower :

A Hybrid Electromagnetic gun provides a fast, direct, and precise means to destroy drones that pose a threat.

Silent and clean:

A Hybrid Electromagnetic gun has no firing sound nor smoke exhaust.

Among its features

- Variable firing angle (from -20 to 60 degrees)
- 360 degrees of rotation
- Up to 2.5 Km Range
- No sparks or flames during or after firing
- No special material is required for the projectile
- Small size and less weight.
- Very High speed (up to 1200 m/s)
- rate of fire 60 round/min (depends on power supply)
- Low noise
- No destructive parts, No erosion or grooving
- No friction or heat.
- No vibration or shock
- Mobile system
- Intelligent tracking system
- Long life and less maintenance.
- Low power consumption

Border Radar Surveillance Solutions

it's a Ku-band pulse Doppler system specially used in ground security monitoring With artificial intelligence technology. It can also determine the locations of any target, whether persons or vehicles and warn of low-altitude drone intrusion. It covers 360 degrees of observation from low altitudes to very high altitudes. It works in all environmental conditions and can be easily carried in backpacks by a two-man team.



Ground Surveillance Radar

- Carry out large-area, long-lasting, high-density searches.
- monitoring of ground targets and instantaneous multi-target tracking.
- detect tracks classifies & locate multi-moving targets.
- effectively warn low altitude drone intrusion.

Operating Distance

