

# ALRRT-4M INGWE

Armed, Long-range, Reconnaissance Turret (Alert)



The ALRRT (Alert) armed, long-range, reconnaissance turret adds to the operational effectiveness of the highly lethal Ingwe anti-armour missile. Available in a variety of configurations (four missiles, two missiles with a 7,62 mm calibre machine gun, etc), the turret can be integrated on a wide range of vehicles from light utility vehicles (LUV) to heavy infantry fighting vehicles (IFV).

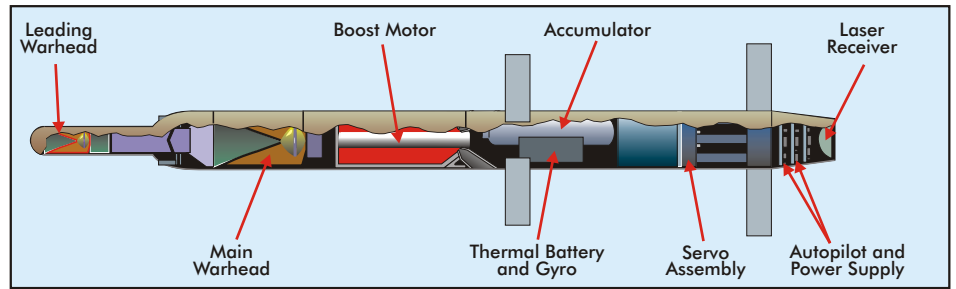
DENEL DYNAMICS

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## SYSTEM FEATURES

- Stabilized for reconnaissance and fire-on-the-move capability
- Remote-controlled from inside or outside the vehicle
- Lightweight and unmanned (non-intrusive), allowing integration on a wide range of vehicles
- Full day and night capability coupled to automatic target-tracking
- Advanced state-of-the-art man-machine interface with colour displays
- Easy to use, with low maintenance cost
- High accuracy and advanced countermeasure resistance



## PRINCIPLE OF OPERATION

Ingwe uses laser beam-riding guidance. The missile automatically determines its own position in the laser beam and manoeuvres onto the line of sight. The missile follows the line of sight until the target is hit. The warhead ensures effective target neutralization.

The sighting system can vary from a non-stabilized optical sight to a more complex and integrated stabilized day/night sight for moving platforms. Automatic target-tracking modules can be added to ensure fully automatic missile guidance after target lock-on by the operator.

## TECHNICAL DATA

- Mass:
 

Turret only	:	290 kg
Turret armed (four missiles)	:	400 kg
- Dimensions:
 

Height	:	668 mm
Turret swept circle diameter	:	1 630 mm
Launcher swept circle diameter	:	2 600 mm
Ring gear diameter	:	960 mm
- Elevation angles  
-10° to +25°
- Sight Performance:
 

Recognition (target: tank, visibility > 23 km):

3 x TV fields of view:

- WFOV (12°)	:	950 m
- IFOV (4°)	:	2 700 m
- NFOV (1,2°)	:	6 300 m

2 x TIS fields of view:

- WFOV (6,25°)	:	
- NFOV (1,3°)	:	7 350 m
- Integrated Auto-tracker
- 24 V Electrical interface
- Adaptable to two missiles and light machine gun configuration (2M-MG) turret

