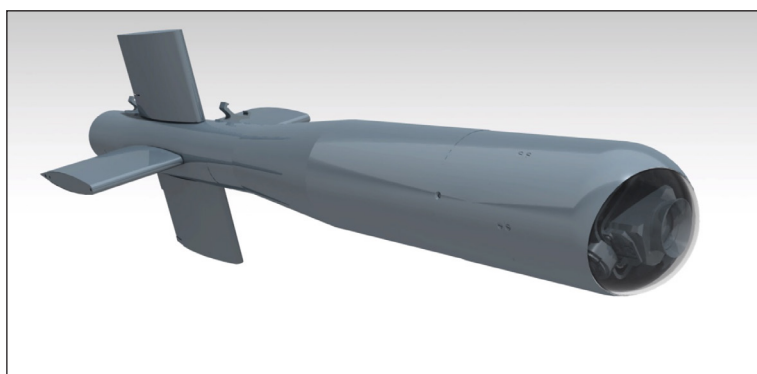
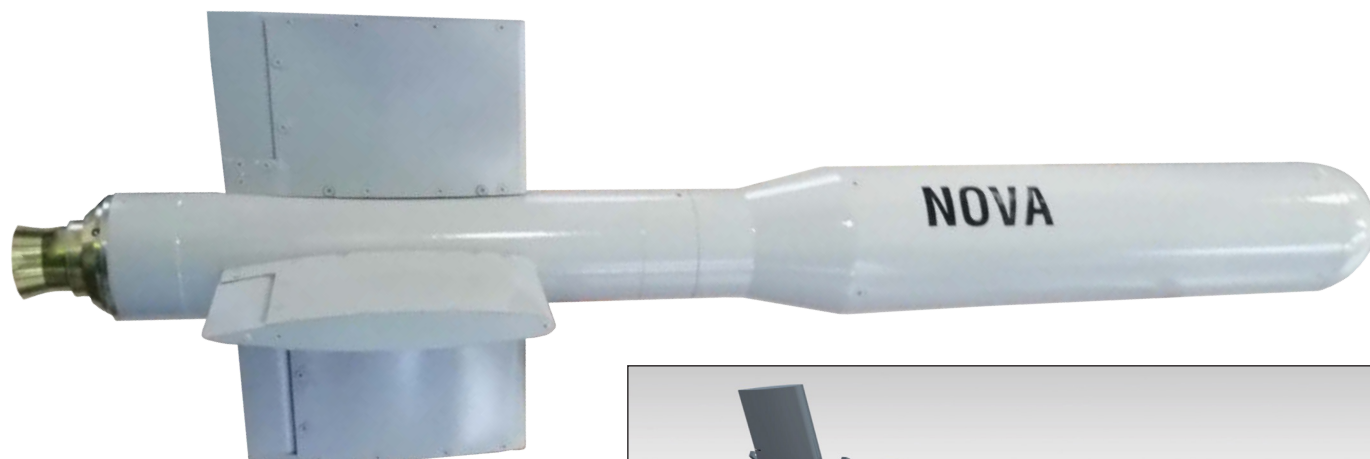


**DEVELOPMENT
CONCEPT**



NOVA

Light attack system

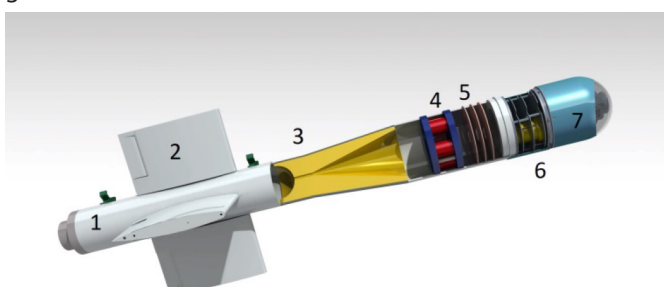


NOVA is a light, multipurpose, portable, "fire & forget" missile system. The NOVA missile system was developed primarily for missions against tanks, armored vehicles, fortifications, command posts, low-flying helicopters, coastal ships, industrial facilities and bridges. It can be deployed by any suitable platform, including helicopters, armoured vehicles, small ships, and infantry. The guidance system is based on video/infrared homing head, with the missile connected to the launcher by a radio link. The missile flies on the ballistic trajectory to the target area. Using a radio link, the image is transmitted from the homing head to the ground control station, where the operator selects and locks on the target. Thereafter, the missile tracks and hits the target on its own.

Both top-attack and direct-attack modes are available. Systems consist of missile in container, launching unit, ground control station with radio link.

NOVA missile composition (with tandem warhead)

1. Propulsion section / Booster motor
2. Wings with control surfaces
3. Heat warhead
4. Battery block
5. Electronic block
6. Front heat warhead
7. Homing head



Missile performance

Max. range	8+ km	Warhead	Shape charge 145 mm, 6.4 kg Penetrability: > 1000 mm (RHA - Rolled Homogenous Armor with ERA) or Shape charge 120 mm, 5.8 kg Penetrability: > 800 mm or Free balls WH with proximity fuze 7.0 kg
Min. range	0.5 km	Hit Probability	90%
Weight (missile)	26 kg	Guidance	Mid-course INS Terminal Guidance HH
Weight (with container)	50 kg	Seeker type	Un-cooled IIR or TV
Dimension (with container)	300 x 300 x 1400 mm	Target tracking	Via missile: LBL from 0.5 to 5 km LAL via radio link 0.5 to 8+ km
Diameter of missile	145 mm	Launch profile	Ground Role, however weapon can be installed on APC/Jeep
Operating temperature	-35°C to +60°C	Storage temperature	-40°C to +60°C
Shelf Life Missile	10 Years	Average velocity	200 m/sec

Launcher performance

Weight (with containers and missile)	400 kg	Dimension (with 2 containers)	300 x 700 x 2300 mm
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Ground control station

Weight	3 kg
Display	14"
Type	Console for Vehicle system or Ruggedized tablet for portable system
Dimension	400x300x60 mm



Ground radio with link

Weight	6 kg	Dimension	300 x 300 x 60 mm Antenna 200 x 200
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