



TESEO MK2/E

NEW LONG RANGE ANTI-SHIP MISSILE SYSTEM WITH LAND ATTACK CAPABILITY

The next generation Teseo Mk2/E weapon system is the response to the operational need for shipborne application, facing threats evolution with a timeframe of twenty years and more. Built on the legacy Teseo Mk2/A, the new missile embodies state-of-the-art technologies and full dual role in maritime and strike land scenarios.

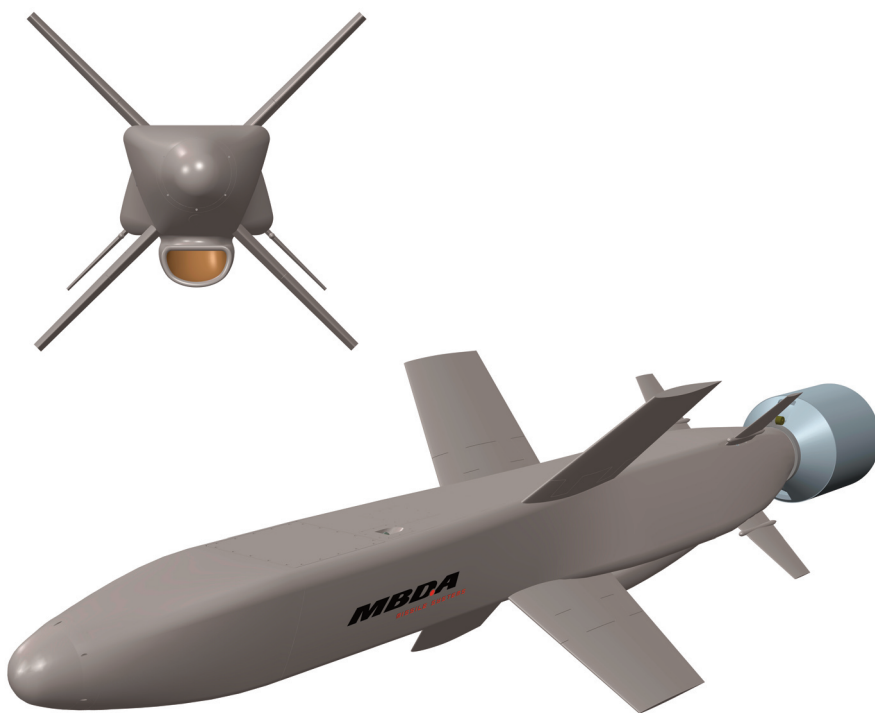
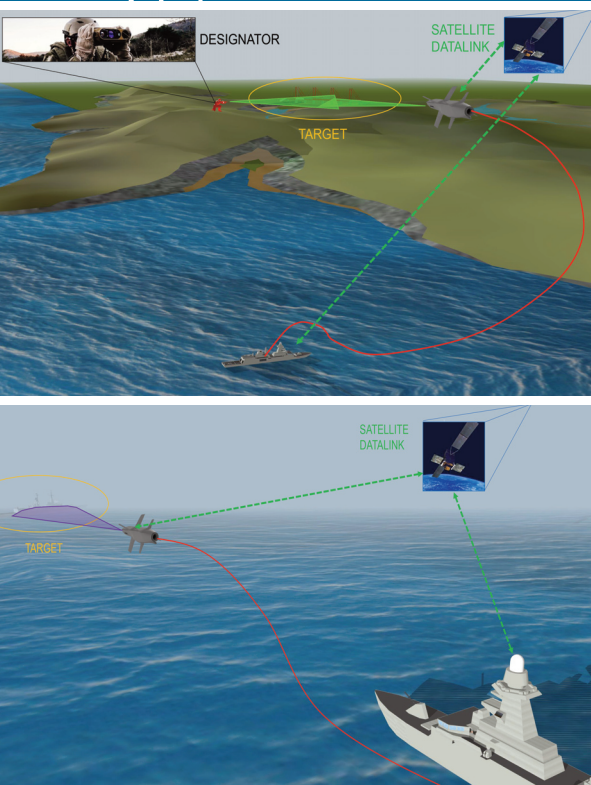
Teseo Mk2/E provides unrivalled long range capability, in all weather conditions, day and night operations:

- 350km class operational range at very low altitude against all classes of warship and land targets, relying on an advanced mission planning system
- Dual-mode homing head section to maximise dual role effectiveness, operating advanced electronics countermeasure against target electronic self-defence capability
- High hitting probability, even against fast moving targets at range
- Full mission control of in flight missile to safely operate in congested scenarios
- State-of-the-art scalable lethal package maximising effect on both naval and land target, whilst controlling the effect to reduce collateral damages

The new Teseo Mk2/E represents evolutionary benchmark for all long range anti-ship missile, through adding the capability to operate against target deep in land, reducing reaction time to few seconds in full controlled condition, from mission preparation to target engagement.

Operational advantages

- Maritime Superiority missile, from deterrence to engagement
- Provides high precision strike at very long range in all environments, providing high probability of target hit with collateral damage reduction
- All-weather, day and night
- Salvo capability with STOT (Simultaneous Time On Target), to saturate enemy self-defence
- Dual-mode homing head section
- Fast reaction time and high operational capability
- Advanced mission planner to operate in congested and cluttered scenarios
- Suitable for installation on ships of any tonnage
- Provisioned for coastal defence system
- Low radar signature
- Advanced ECCM



Operational features

- Advanced mission planning, fast reaction time with automatic firing solution. Planned mission parameters adjustable by weapon system operator according to real time tactical picture
- Salvo firing with Simultaneous Time on Target
- Mission control up to the end of the engagement, via two-way data link system, for target update/reassignment and mission abort

Dynamic capabilities

- High subsonic cruise speed
- High-G terminal manoeuvrability

Effective range

- In excess of 350km, at sea-skimming level

Lethal package

- Highly effective scalable warhead; semi-piercing/high explosive
- Insensitive warhead
- Impact and proximity fuze

Navigation and guidance

- Fully autonomous integrated INS/GPS and radar altimeter navigation system
- 4D way-points (space and time) with programmable time on target
- Self-adapted sea skimming, with fly over-land capability

Terminal guidance

- State-of-the-art dual-mode homing head section including both coherent RF-seeker with ECCM capability and EO sensor for high precision engagement, for sea and land targets

Technical characteristics/specifications:

Weight: 700kg (start of cruise phase)
Length: < 5m (< 5.5m in launching canister)
Range: > 350km

