



**SMART
AND TO THE
POINT.**

Naval SPIKE® NLOS

Maritime Version of the World-Renowned SPIKE® NLOS Missile



Defeating Naval Threats at Sea

RAFAEL's SPIKE family of multi-purpose, electro-optical guided missiles provides pinpoint precision at extended ranges - with the NLOS variant successfully engaging non-line-of-sight land and naval targets. With a maritime range of 32 km, the Naval SPIKE NLOS provides critical real-time tactical intelligence and damage assessment, allowing it to adjust targets, abort missions midflight, and operate in both offensive and defensive scenarios. The SPIKE NLOS 6th generation, building on the exceptional operational success of the entire SPIKE missile family, includes several new, enhanced capabilities to meet modern battlefield needs and trends. These advanced technologies enable faster closure of sensor-to-shooter loops and more efficient neutralisation of swarm attacks from standoff ranges - resulting in improved overall battlefield survivability.



Benefits

- Combat-proven against non-line-of-sight land and naval targets
- Provides critical real-time tactical intelligence and damage assessments
- Multi-platform installation
- Transforms small- to medium-sized vessels into highly-deterrent missile boats



Salvo Launch & Control Capabilities: The SPIKE NLOS 6th generation can simultaneously – from a single launcher by a single operator – launch and control airborne missile salvos. This new capability enables the element of surprise and creates an immediate, significant effect.

System Handover & Transfer of Control: Control over launched NLOS 6th generation missiles can be transferred between battlefield platforms midflight for optimal success across operational scenarios. For example, if a ship launches a missile against a high-value target and then leaves the area, a helicopter in the vicinity can gain control of the launched missile and navigate it toward the intended target.

Target Image Acquisition: RAFAEL's new image matching capabilities have been integrated into the NLOS 6th generation to enable swift aerial image transfers to the missile system. Until now, effective, accurate sensor-shooter closure was achieved through transferred target coordinates. Now, target images can be matched with the missile's video images during flight, designating a target to the appropriate operator.

Extended Missile Range: The naval SPIKE NLOS 6th generation reaches extended ranges of up to 32 km. Together with its beyond-line-of-sight launch and passive capabilities, these extended ranges increase the already very high platform survivability.

Mission Modularity: For platforms that lack fixed self-defense and strike capabilities against maritime challenges, the Naval SPIKE NLOS missile system can also be installed as a Mission Module, providing a compact, portable, low weight and size solution, with minimal footprint. With simple twist-lock system installation and no deck penetration, vessel hull retrofit, or complex ship integration, Naval SPIKE NLOS Mission Module enables maximum operational and logistical flexibility at an affordable cost.



Main Capabilities

- Salvo launch & control
- System handover & transfer of control
- Target image acquisition
- Extended missile range (32 km from naval vessels)



Technical Specifications

Depth	1.66 m
Width	0.7 m
Height	1.26 m
Weight	500 kg (with 4 missiles)
Warheads	HEAT, Fragmentation, PBF
Modes of Operation	<ul style="list-style-type: none"> • Fire & forget • Fire, Observe & Update • Fire & Steer



LAND & NAVAL SYSTEMS DIVISION

Tel: +(972)73-335-2002

Fax: +(972)73-335-4093

Email: ind_mkt@rafael.co.il

HQ Tel: +(972)73-335-4714

Fax: +(972)73-335-4657

Email: Intl-mkt@rafael.co.il

www.rafael.co.il

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