



SAAB



NLAW

The power of precision

Optimising your ability and survivability
on the modern battlefield

Anti-armour in one soldier's hands

The Next Generation Light Anti-Tank Weapon (NLAW) is the first ever single soldier missile system that rapidly knocks out any Main Battle Tank (MBT) in just one shot by striking it from above.

PROVIDING ANTI-TANK SUPERIORITY

The one-man-portable NLAW gives infantry the power to destroy immediately the most advanced MBT, wherever and whenever it appears within combat range, with only one shot.

NLAW is built upon well-proven technologies including warhead, guidance, fuze, confined space and insensitive munition. Further improvements, in combination with the latest state-of-the-art advances, have created a powerful and precise anti-tank missile system.

EXCEPTIONAL TECHNOLOGIES

Predicted line of sight (PLOS)

The soldier tracks the target for a few seconds before firing. The missile's guidance electronics record the soldier's aiming movement, and calculate the predicted target route and flight path from missile system to target.

Attack modes

Against tanks and other armoured targets, Overfly Top Attack (OTA) mode is used. The missile flies about one metre above the line of sight, and the warhead initiates above the target's roof – the most vulnerable part.

Against non-armoured targets, Direct Attack (DA) mode is used. The missile then flies on the line of sight, the sensors are disconnected and the warhead initiates on impact.

TACTICAL ADVANTAGE

Full effect on target

NLAW is optimised to destroy modern MBTs with add-on armour despite brevity of visibility or size of the target area. Using the proven OTA technology with an advanced fuze system, the missile always has a "full-size target" seen from above and strikes through the roof. The reliability and precision of NLAW enhances survivability on the modern battlefield.

As easy as aim and fire

NLAW uses state-of-the-art technology to achieve the highest possible effect upon impact and to overcome common firing difficulties, such as range estimation, wind direction and target speed.

The weapon is fully compatible with night vision goggles and any other clip-on night vision devices. Years of experience developing shoulder-launched weapon systems have resulted in an ergonomically optimised and intuitive weapon, with an outstanding Single Shot Kill Probability (SSKP).

PRODUCT DATA

| | |
|---------------------------|---------------------|
| Weight | <13 kg |
| Combat range | 20 m – 800 m |
| Guidance principle | PLOS |
| Attack modes | Selectable OTA/DA |
| Warhead | Single shape charge |
| Armour penetration | >500 mm |
| Confined space capability | Yes |
| Preparation time approx. | 5 seconds |
| Intensive munition | Yes |
| Shelf life | 20 years |





RATIONAL IN USE

Easy to integrate

NLAW, a maintenance-free, disposable weapon is easy to integrate into existing operational and maintenance organisations. The system enables combat units to act with a true tank killing capability, down to individual soldier level in any scenario or environment.

NLAW is an easy-to-use system, and relatively little training is needed. No live firing is required, and both indoor and outdoor trainers are available for improving basic skills, as well as team and tactical force-on-force training.

Low risk investment

NLAW has a low Life Cycle Cost (LCC), with almost all costs going towards procurement, therefore reducing hidden expenses such as additional operation and support costs. Based on proven and improved technologies, the system meets the demanding requirements of Swedish and British procurement agencies.

COMBINING THE BEST CAPABILITIES

NLAW combines the simplicity of light anti-armour weapons with the advantages of heavy, crew-operated guided missile systems. An MBT can be destroyed upon target detection, without mounting a larger system, loading the weapon and, in some cases, completing a lock-on to launch sequence.

NLAW gives the individual modern soldier a weapon to stop and destroy almost any target with one shot – making it an invaluable support to other weapons, and creating the complete combat unit.

Status

In service

Ammunition type

Disposable anti-tank missile system

Warhead design

Selectable OTA/DA

Advancing battlefield capabilities



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