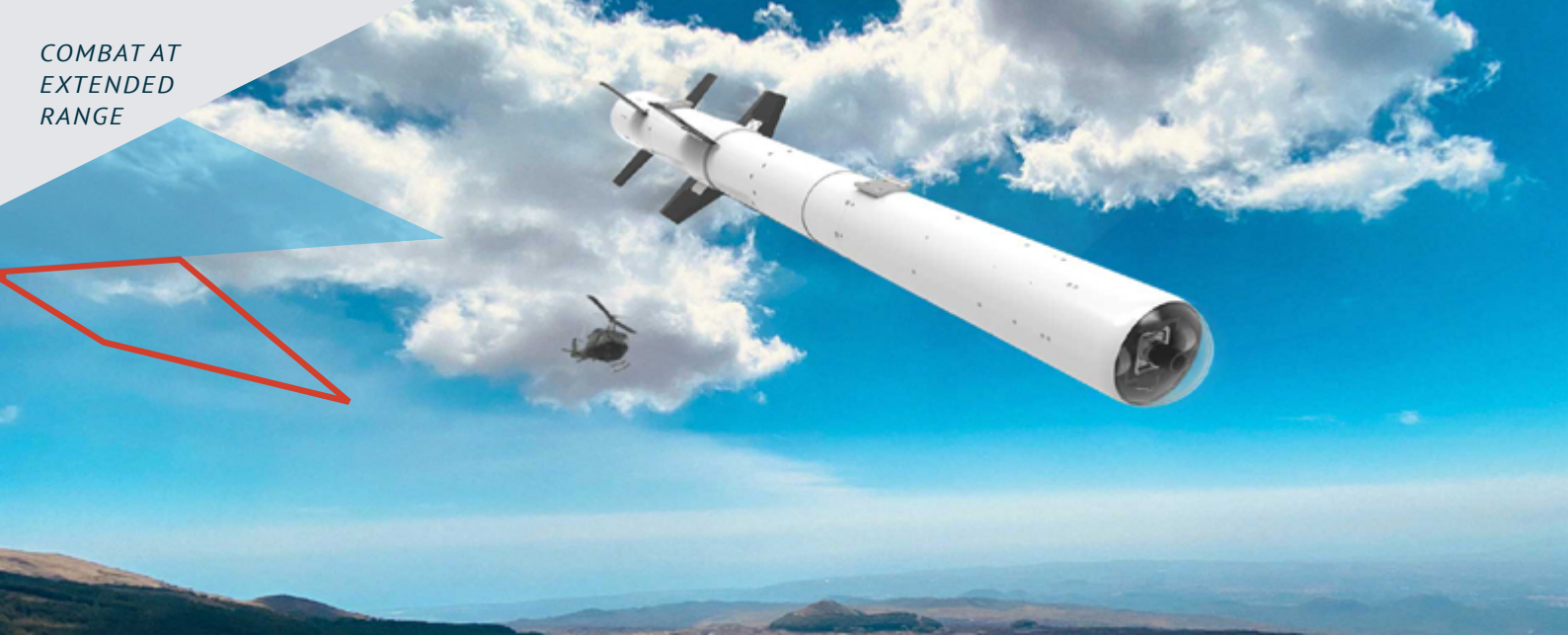


COMBAT AT  
EXTENDED  
RANGE



EDePro  
Engine Development & Production

# PAUK/SPIDER H

*An advanced anti-tank missile that leads the field*

Pauk/Spider H is a modern, helicopter-launched air-to-ground weapon – and a pinnacle of 5th generation missiles. It is an effective and precise solution for anti-tank and modern armoured vehicles attack, capable of destroying not only tanks, but also other armoured vehicles and lightly-armoured targets, both stationary and moving. Moreover, it is known for its range of indirect fire, extended to an impressive 11 km, and its 3.5 km fire-and-forget range. Combined with its 90% accuracy, this missile can bring a formidable advantage in the field.

## Tactical Use

Pauk/Spider M can destroy various targets, including armoured vehicles and non-armoured vehicles, trucks, boats, and artillery systems.

## The Warhead Type

Its tandem shaped charge warhead includes front and main charges, which can penetrate through 1000 mm of explosive reactive armour (ERA). Therefore, Pauk/Spider H can pose a threat to almost any tank that is in service today.

## The Propulsion & Performance

Pauk/Spider H can reach a cruising speed of 200 m/s, thanks to its two-phase solid-propellant rocket motor. Located in the middle section of the missile, this motor consists of a sustainer (as the main propulsion system), and a booster (tasked with propelling the missile upwards).

## Environmental & Operational Conditions

The missile subsystems meet the following MIL-STD-810F standards: 501.4 (High Temp), 502.4 (Low Temp), 503.4 (Temp Shock), 507.4 (Humidity), 513.5 (Acceleration) and 514.5 (Vibrations).

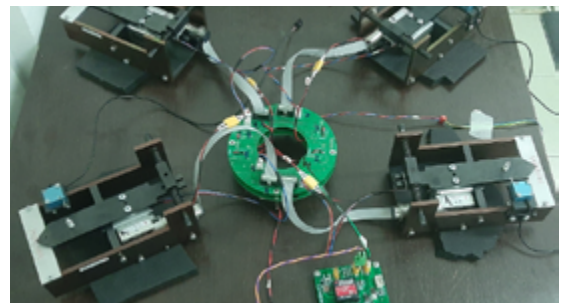
## MAIN SPECIFICATIONS

- Ø Calibre: 145 mm
- ◇ Range: 11 km
- 📏 Takeoff mass: 39 kg
- ↔ Length: 1657 mm



## Guidance System

The imaging infrared (IIR) gimbaled homing head, as well as TV guidance for long-range targets, ensure absolute accuracy in target acquisition and tracking. Target tracking can be aborted at any time during the flight. Meanwhile, both target re-tracking and acquiring a new target are possible. As for communication with the CLU, it is done via radio link (IIR HH or TV image with bidirectional data flow).



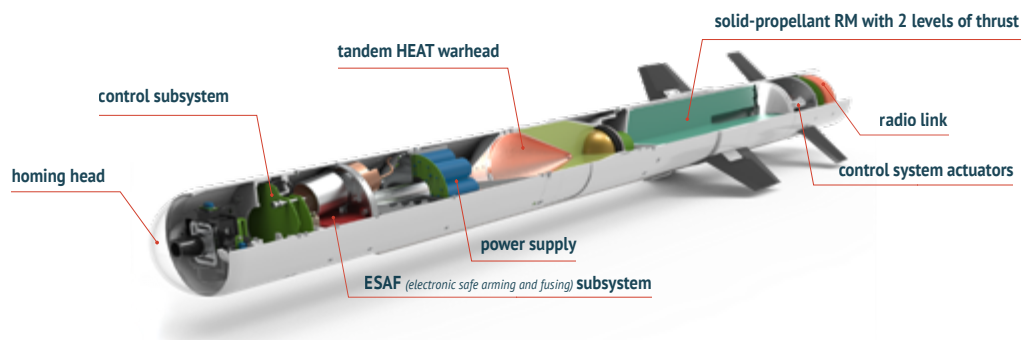


## MAIN TACTICAL AND TECHNICAL PERFORMANCES

### Technical Specification

	Data	Unit
Total length	1657	mm
Calibre	145	mm
Launch mass	39	kg
Maximum range	11	km
Minimum range	800	m
Maximum flight time	60	sec
Direct fire capability – <i>Fire-and-Forget</i>	< 3.5	km
Indirect fire capability – NLoS	2-11	km
Readiness time	< 20	s
Penetration	1000	mm
Hit probability – stationary target (exc. operator error)	90	%
Hit probability – moving target (exc. operator error)	90	%
Temperature range	-30 - +50	°C
Launch platform	helicopter	/
Lifespan	10	yrs

## MISSILE COMPONENTS



## BENEFITS

- » helicopter-launched;
- » a tandem shaped charge warhead with front and main charges;
- » midterm guidance – INS/GPS;
- » terminal guidance – IIR/TV homing head;
- » direct fire capability (*Fire-and-Forget*) up to 3.5 km, NLOS 2-11 km;
- » communication with the CLU via radio link (IIR HH or TV image with bidirectional data flow).

