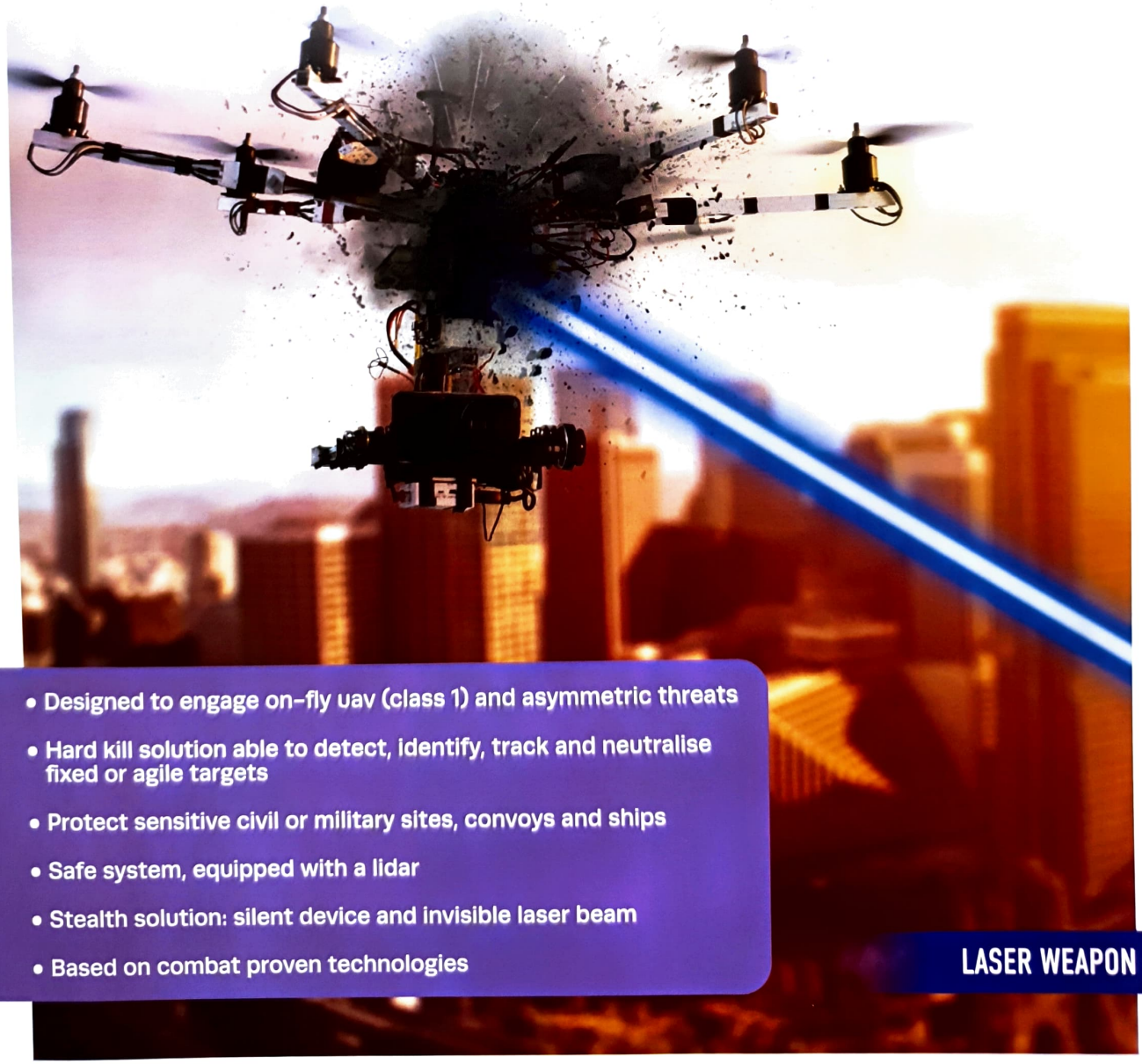
Cilas
laserandbeyond

HELMA-P

HIGH ENERGY LASER FOR MULTIPLE APPLICATIONS



- Designed to engage on-fly uav (class 1) and asymmetric threats
- Hard kill solution able to detect, identify, track and neutralise fixed or agile targets
- Protect sensitive civil or military sites, convoys and ships
- Safe system, equipped with a lidar
- Stealth solution: silent device and invisible laser beam
- Based on combat proven technologies

LASER WEAPON

HELMA-P

COUNTER UAV HARD KILL SOLUTION

WHAT MAKES THE DIFFERENCE

Ultimate neutralisation solution

- Radical effect
- Effective at greater distances than other anti-UAV technologies

Efficient solution

- Architecture modularity
- Shot precision
- Day & night capability
- Immune to jamming
- Extreme stealth

Solution with increased security

- Air traffic monitoring (LIDAR, ADS-B)

Solution compatible with any C2 (Command and Control) process or a BMS (Battle Management System) Accurate, Immediate, Continuous fire

Considerable operational gains in air-land combat

- Damage the potential of reaction and defense capabilities of the enemy before an action

HELMA-P FEATURES	
RANGE OF ACTION	Up to 3 000 m (optical damage)
RANGE OF NEUTRALISATION	Up to 1 000 m
LEVEL OF POWER	From optical jamming to destruction or ignition
LASER BEAM	Multi kW
FIELD OF VIEW	+/- 180°
OPERATIONNAL TEMPERATURE	[-30°; +60°C] Integrated thermal regulation
LOGISTICS	No need of ammunition
POWER SOURCE	Battery or power grid

DETECTION → IDENTIFICATION → TRACKING → NEUTRALISATION

POSSIBLE CONFIGURATIONS

- Fixed solution
- Adaptable on vehicles
- Adaptable on ships
- Compatible with C2 (Command and Control) systems and BMS (Battle Management system)

MAJOR APPLICATIONS

- Counter UAV
  Site protection / Short-range security
- Against Improvised Explosive Device
- Explosives neutralisation / Electronics destruction
- Special actions
  Preparation for the operation / Light sensors neutralisation / Security camera jamming / ignition of materials

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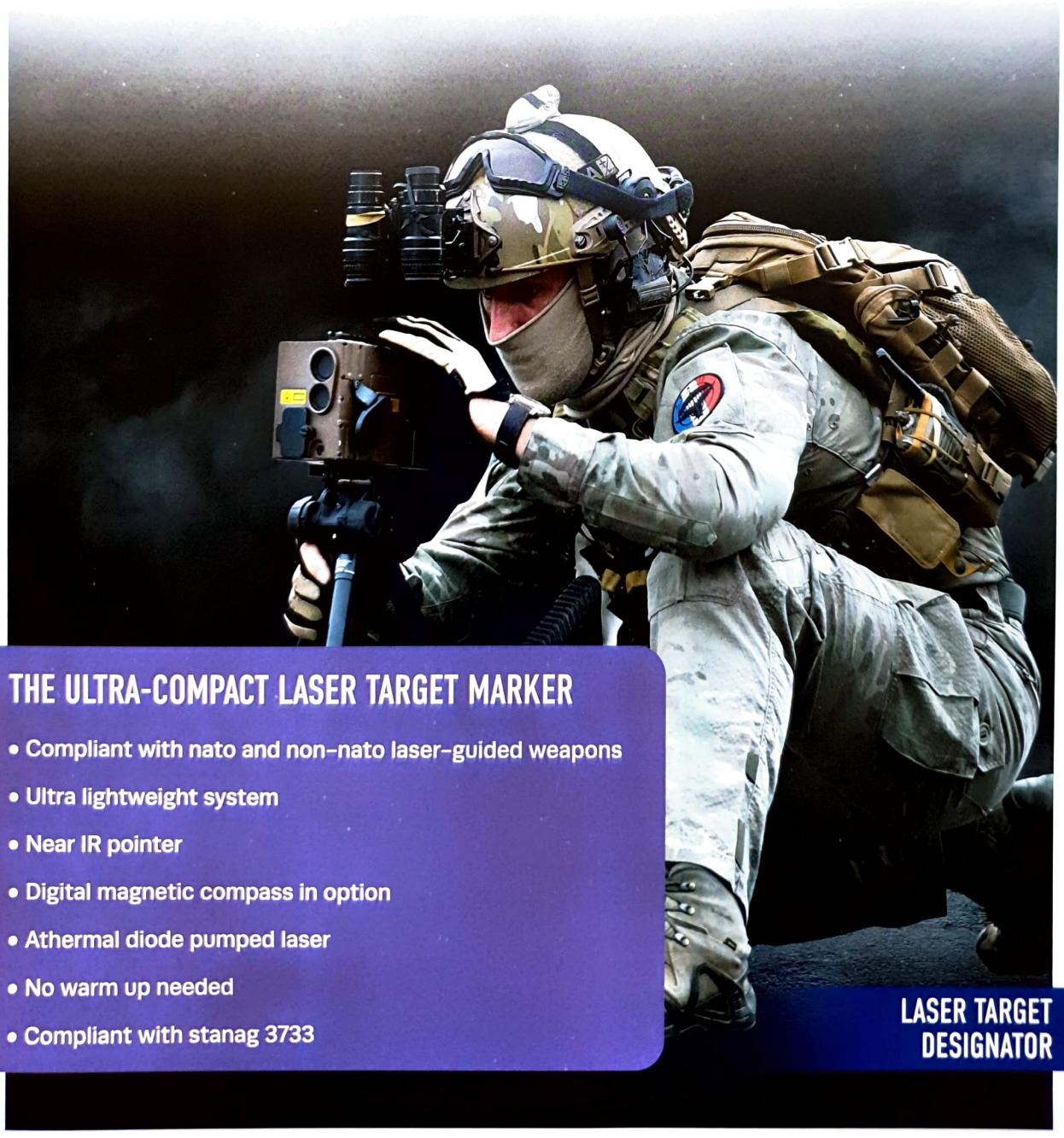
DHY 208

NEW GENERATION LASER TARGET DESIGNATOR



THE ULTRA-COMPACT LASER TARGET MARKER

- Compliant with nato and non-nato laser-guided weapons
- Ultra lightweight system
- Near IR pointer
- Digital magnetic compass in option
- Athermal diode pumped laser
- No warm up needed
- Compliant with stanag 3733

LASER TARGET DESIGNATOR

DHY 208

ULTRA LIGHTWEIGHT AND PRECISE

Main modules

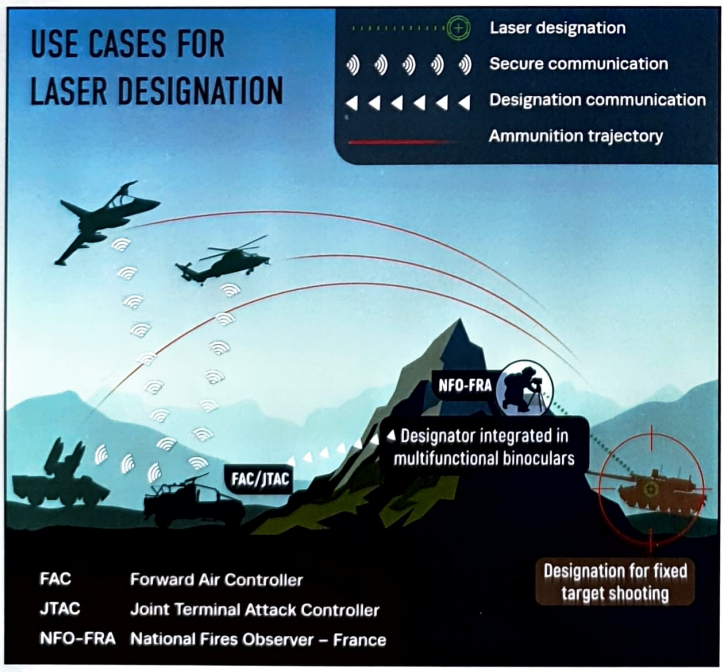
- Designation/rangefinding unit
- Tripod
- Fire switch
- Digital Magnetic Compass (DMC) in option
- GPS in option

Validated integrations with

- Hand-Held Thermal Imagers (HHTI)
- Target locators
- Digital Aided Close Air Support (DACAS)
- Fire-Control Systems (FCS)

Accessories

- Ask for CILAS wide portfolio



GENERAL PARAMETERS	
WEIGHT WITH BATTERY & RCU	< 2 kg
OPERATING TEMPERATURE	-10°C to +50°C

DESIGNATION PARAMETERS	
OUTPUT ENERGY	> 30 mJ
BEAM DIVERGENCE	< 0.4 mrad
RANGE	6 km on buildings 3 km on OTAN targets

LASER RANGE FINDER PARAMETERS	
DISTANCE	20 km
EXTINCTION RATE	> 40 dB

NIR PARAMETERS	
NIR POWER	> 0.75W
NIR WAVELENGHT	830 nm

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