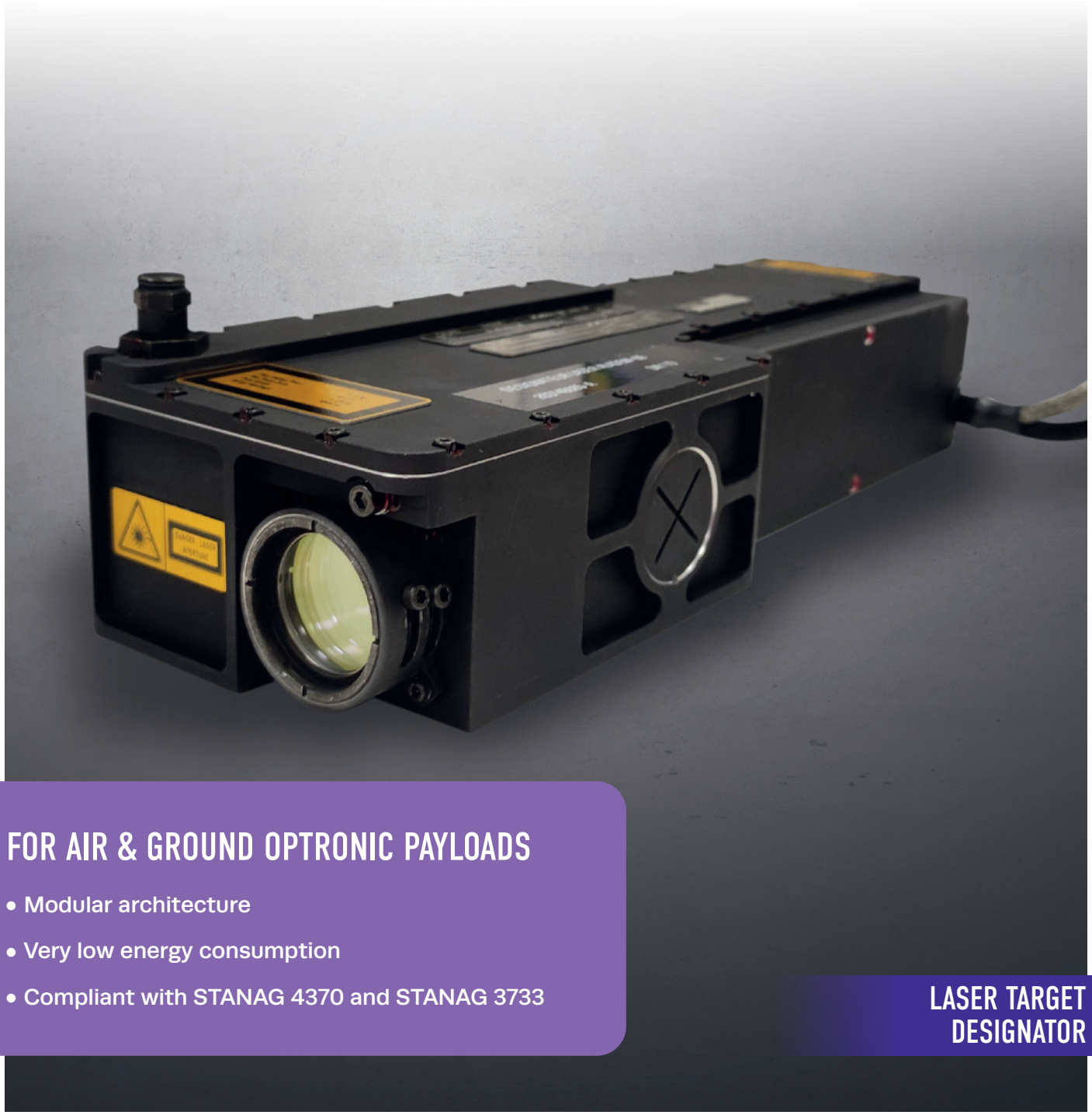
Cilas
laserandbeyond

ALADEM-80

LASER DESIGNATION MODULE



FOR AIR & GROUND OPTRONIC PAYLOADS

- Modular architecture
- Very low energy consumption
- Compliant with STANAG 4370 and STANAG 3733

LASER TARGET DESIGNATOR

ALADEM-80

ON BOARD MODULE FOR LASER GUIDANCE

CILAS laser target designation technology has been in operation among many armies in the world for more than 20 years.
Based on such strong experience, CILAS has developed the ALADEM-80 for optronic payloads of helicopter pods, UAVs and land platforms.

ALADEM-80 relies on laser athermal technology to provide high performance Semi Active Laser guidance with very good consumption rate:

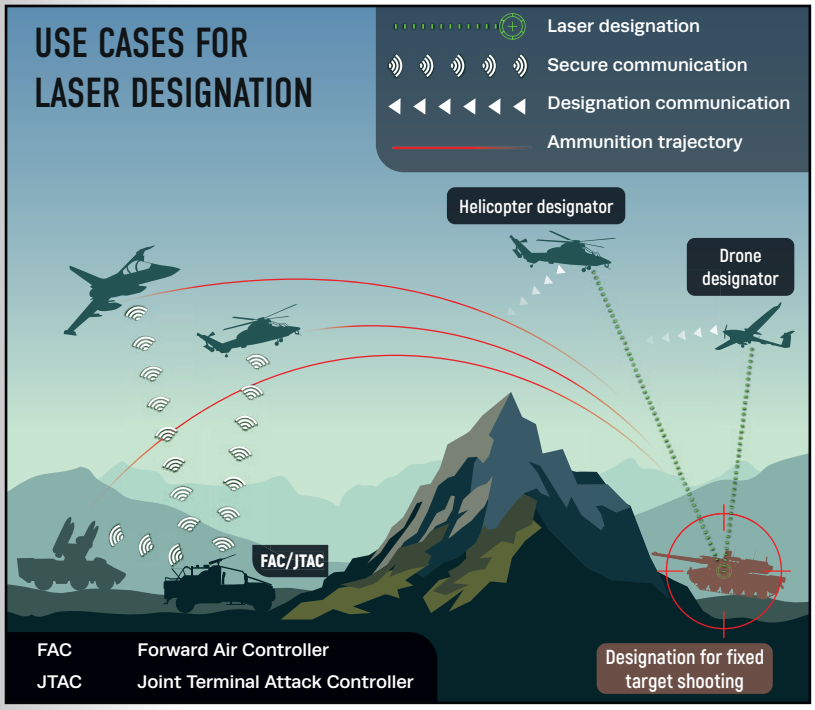
- no warm-up needed
- no power consuming cooling system
- very low residual power consumption in stand-by mode

ALADEM 80 is tailored to meet your requirements:

- LEU and LTU are separated for optimal integration
- compliant with NATO or home-made codes
- LRF available as option
- additional separated command box: available on request
- form factor adjusted to integration constraints

AS EXAMPLES OF SUCCESSFUL INTEGRATIONS, CILAS IS PROUD TO SEE ITS ALADEM-80 EMBEDDED:

- on the PATROLLER UAV
- on the GRIFFON VBMR – French SCORPION program



TECHNICAL DATA	
OUTPUT ENERGY	[80 ; 110 mJ]
OPERATING TEMPERATURE	-40°C to +63°C
BEAM DIAMETER	< 19 mm
BEAM DIVERGENCE	< 0.28 mrad
PULSE DURATION	< 20 ns
POWER SUPPLY	< 5 W stand by; 65 W firing
RANGE	10 km
MASS	LTU < 1,45 kg LEU < 0.35 kg
DIMENSIONS	LTU 270 x 88 x 54 mm LEU 475,15 cm^3
COMPLIANT WITH	MIL STD 810, MIL STD 461

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