



## UAS

# Aeronautical Technology for Military Capabilities



AERTEC develops Defence systems to meet the Operational Needs of the Armed Forces.

100%

dedication

to fulfill

Defence

needs

### + 100% Defence and Security

Products and solutions created and adapted to the needs of the Armed Forces for Defence and Security operations.

### + 100% Next-generation technology

Highly advanced technology in the fields of UAS, laser solutions and guided ammunition.

### + 100% Adaptability

Solutions and technology design authority: adaptation to user requirements.



## Defence Systems

# TARSIS

Unmanned aerial systems with highly competitive proprietary technology

### + UAS

UAS

A range of fixed-wing UAS with different configurations to provide versatile solutions capable of fulfilling different missions according to the needs of the user and the operation.

- Spanish **design and manufacture**
- Aircraft with **high persistence** over the objective
- **Next-generation** onboard systems
- **Highly reliable** systems
- **Positively evaluated** in the RAPAZ programme  
Ministry of Defence (Spain)
- **Fully operational** platforms

	<i>TARSIS-ISTAR</i>	<i>TARSIS-W</i>
• MTOW	95	120
• Maximum payload	12 kg	30 kg
• Maximum endurance	12 hours	9 hours
• Maximum flight altitude	5 000 AMSL	5 500 AMSL
• Operational range	70 km / 150 km	70 km / 150 km
• Wingspan	5,2 m	6,2 m



TARSIS-W is a NATO Class I UAS System with the capacity to integrate two 50 mm caliber micro-missile launchers under each semi-wing, each launcher can house up to 2 semi-active laser-guided micro-missiles with a range of 4 km depending on the altitude of shooting. In addition, it includes an integrated Weapons Management System with the Ground Control Station to operate ammunition remotely and securely.

# TARSIS-W



## + Semi-active laser guidance kit

### Semi-active laser guidance head

- Easily attachable to propelled or free-fall platforms:
  - Mk 82 / Mk 83 / Mk 84 bombs
  - 70 mm Mk 66 rockets
- Conversion of conventional systems to guided systems with precision capability



## + Laser designation

STANAG 3733 pulsed laser designation integrated in TARSIS.



## + Laser-guided, air-to-ground micro-missiles for UAS

**μASM A-Fox micro-missile**, guided by semi-active laser designation.

- Integrated and tested for operation from UAS
- Designed for light targets and insurgency
- 4 km range
- 500 g explosive charge



μASM A-Fox



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