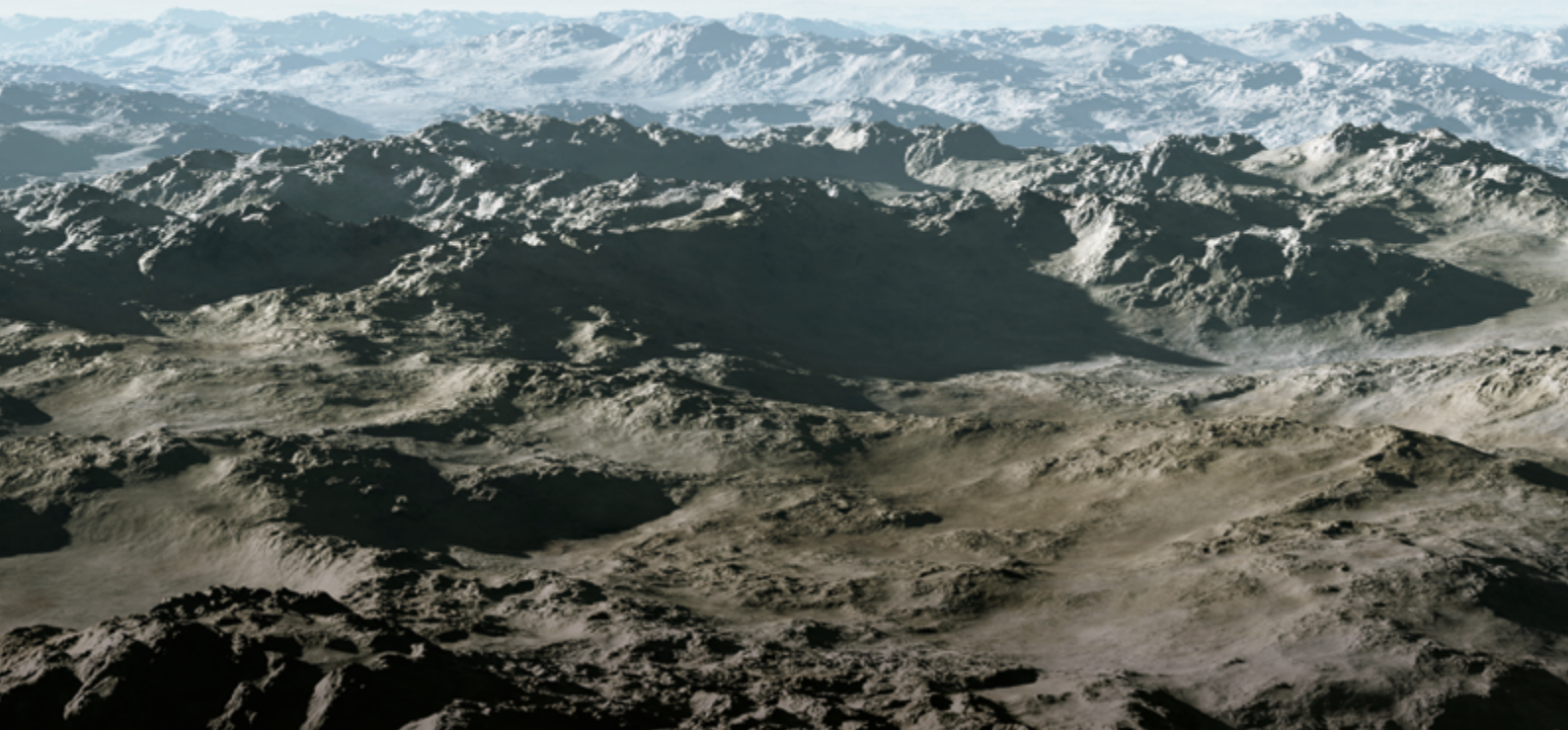
EN

AERTEC

# UAS

## Solutions for observation and surveillance

# TARSIS-ISR


TARSIS-ISR Fixed wing tactical UAS

# UAS

## Solutions for observation and surveillance

TARSIS-ISR

**TARSIS-ISR** is a high end tactical class I small UAS in the 95 kg category. It has been specifically designed and engineered for two very important variables:

¬ A large payload integration capacity (up to 12 kg)
¬ A very long endurance (up to 12 hours)

Both capabilities provide a large variety of operational configurations which allow for a very high adaptation to very demanding operational environments.

**TARSIS-ISR** solutions are Autonomous Take-Off and Landing (ATOL) which include an automated control system for all flight phases (take-off, flight and landing). They can integrate many different options like satellite backup link, emergency parachute recovery, alternative spectral sensors, etc.


TARSIS-ISR solution can integrate A-FOX laser guided missiles


µASM A-FoX

TARSIS-ISR

| CHARACTERISTICS | |
|---|---|
| · MTOW | 95 kg |
| · Maximum payload | 12 kg |
| · Maximum endurance | 12 h |
| · Maximum flight altitude | 5 000 MASL |
| · Operational video range | 70 / 150 km |
| · Wingspan | 5.2 m |
| · Length | 3.8 m |
| · Height | 0.96 m |
| · Cruise speed | 100 km/h |

For more information:
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MIL.T-ISR.FT.EN.V06

## Configurable high performance fixed wing UAS solutions to provide versatile systems capable to carry out different operations

### Day/Night operations

**TARSIS-ISR** solutions integrate advanced dual EO+IR surveillance gyrostabilized sensors with automatic detection capabilities, video tracking and geotracking, allowing for day and night operations.

Sensors are configurable to the specific needs of the operation providing valuable real time data from the area of interest. They automatically generate target alerts and track moving objectives at 8 km of distance.

Automatic detection and tracking of armed troops

Ground Control System (GCS)

Night operations

Moving target identification and tracking

| GUIDANCE/CONTROL SYSTEMS |
|---|
| · Waypoint flexible configuration |
| · Holding flight modes* |
| · Return to base mode |
| · Linear/helical ascending/descending |
| · Planned and/or commanded Loiter |
| · Contingency/emergency implementation |

** Altitude/bearing/speed*

| TAKE OFF/LANDING |
|---|
| · Automatic Take Off and Landing (ATOL) |
| · Operation from unprepared landing strips |
| · Parachute emergency recovery (optional) |

| COMMUNICATION SYSTEMS | |
|---|---|
| **Primary real time video/data link** | |
| · Type of antenna | Directional antenna / Optional autotracking capabilities |
| · Operational video range | 70 / 150 km |
| **Secondary data link (optional)** | |
| · Backup system | Satellite link |
| · Operational range | Unlimited |

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