OPERATION & LOGISTICS

- *Operating temperature -54 C° /+50 C°*
- *Rain and solar radiation resistance*
- *De-icing capability*
- *Take-off and landing at 15kt side wind, 20kt headwind*
- *Compliant to MIL - STD - 810, RTCA/DO - 160D, MIL - STD -464, MIL STD - 461*
- *Maintainable product design*
- *No specific tool requirement for maintenance*
- *Flight Line Tester for operation support*
- *Full mission, payload and maintenance simulator*

Turkish Aerospace
Subsidiary of TAFF and an affiliate of SSB

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TURKISH AEROSPACE

ANKA

Multirole UAV System

TURKISH AEROSPACE

ANKA

Combat Proven UAV System

ANKA, advanced Medium Altitude Long Endurance (MALE) class Unmanned Aerial System, performs day and night, all-weather reconnaissance, target detection / identification and intelligence missions with its EO/IR and SAR payloads, featuring autonomous flight capability including automatic take-off and landing.

ANKA is combat proven platform which performs in operations including GNSS denied and other electronic warfare environments. ANKA has accumulated 90,000+ flight hours (March 2021) with high mission availability and has taken its rightful place in multiple end user´s inventories.

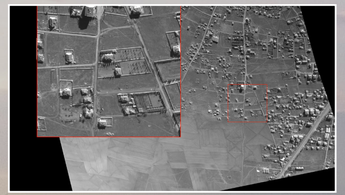
SYSTEM FEATURES

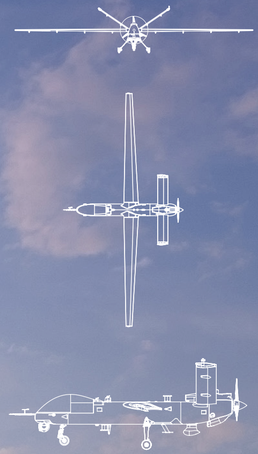
- *Fully autonomous operation*
- *Redundant flight control system*
- *Redundant automatic take - off and landing system (DGPS and radar)*
- *Redundant electrical power generation*
- *Redundant high data rate digital datalink (44 Mbps)*
- *DO178B certified software (DO-254 certified flight critical hardware)*
- *Encrypted communication (Comsec & Transec)*
- *Emergency base landing capability (Option for takeoff)*
- *Return home and land capability for total link loss during emergency*
- *Cost effective, sustainable life cycle*
- *Heavy fuel propulsion*
- *Retractable landing gear*
- *Back up emergency batteries*
- *Enhanced capability with new developing and more powerful engine*
- *Sustainable flight sensor and payloads for heavy jamming conditions*
- *High Capacity Telemetry and Payload Data Recorder*

Mission flexibility and rapid deployment of new capabilities with advantages of segregated mission system architecture & multiple payload integration provisions on existing design.

PAYLOAD OPTIONS

- ***ISR Payloads***
  - EO/IR/LD/LRF Camera
  - SAR/GMTI-ISAR Radar
  - Wide Area Surveillance Camera
- ***EW (Electronic Warfare)***
  - ESM / EA (Electronic Support Measure and Electronic Attack)
  - ComJam (Communication Jamming)
- ***Weapons***
  - Precision Guided Bombs
  - Laser Guided Rockets
  - Anti-tank missiles
- ***Operation Support***
  - Wideband SATCOM up to 20 Mbps
  - PLS (Personnel Locator System)
  - VHF/ UHF Radio Relay
  - Digital Data Recorder
  - Remote Video Terminal
  - Redundant Narrow Band Satellite Transceiver
  - Communication Pod
  - MALD (Miniature Air Launch Decoy)





TECHNICAL DATA

DIMENSIONS

Wing Span	*17.5 m*
Length	*8.6 m*
Height	*3.25 m*

PERFORMANCE

Endurance	*30+ Hours @ Mission Altitude*
Service ceiling	*30,000 ft (MSL)*
Typical Mission Altitude	*18,000 - 23,000 ft*
Datalink range	*250+ km*
Powerplant	*Heavy Fuel Engine*
Payload Capacity	*350+ kg*
MTOW	*1,700 kg*

CONTROL STATION FEATURES

- *NATO compliant ACE-III type shelter*
- *STANAG 4586 compliant*
- *Redundant command and control consoles*
- *Mission planning, management, analysis, simulation and playback capabilities*
- *User friendly MMI*
- *External C4I interfaces*
- *Simulator mode support*