ANKA
Multi-Role UAV System

OPERATION & LOGISTICS
- Operating temperature: -54°C / +50°C
- Rain and solar radiation resistance
- Mission long 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 simulator
Mission flexibility and rapid deployment of new capabilities with advantages of segregated mission system architecture & multiple payload integration provisions on existing design.

**ANNA**

**COMBAT PROVEN UAV SYSTEM**

ANNA, 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.

ANNA fleets have been operational immediately after the first deliveries and are combat proven including operations under GNSS denied and other electronic warfare environments. ANNA has accumulated more than 37,000 flight hours (2019) with high mission availability and has taken its rightful place in the Turkish Armed Forces inventory.

**SYSTEM FEATURES**

- Fully autonomous operation
- Redundant flight control system
- Redundant automatic take-off and landing system
- Redundant electrical power generation
- Redundant high data rate digital datalink
- DO178B certified Software
- Encrypted communication
- Emergency base landing capability
- Return home and land capability for total link loss emergency
- Cost effective, sustainable life cycle
- Heavy fuel propulsion
- Retractable landing gear
- Redundant alternators
- Back up emergency batteries
- Mission long de-icing performance
- Enhanced capability with new developing and more powerful engine

**PAYLOAD OPTIONS**

- **ISR Payloads**
  - EO/IR Camera
  - SAR/GMTI-ISAR Radar
  - Wide Area Surveillance Camera
- **Weapons**
  - Precision Guided Bombs
  - Laser Guided Rockets
  - Anti-tank missiles
- **Signal Intelligence**
- **Operation Support**
  - SATCOM
  - PLS
  - VHFRadio Relay
  - Digital Data Recorder
  - Remote Video Terminal

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>DIMENSIONS</th>
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<tbody>
<tr>
<td>Wing Span</td>
<td>17.5 m</td>
</tr>
<tr>
<td>Length</td>
<td>8.6 m</td>
</tr>
<tr>
<td>Height</td>
<td>3.25 m</td>
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</tbody>
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<table>
<thead>
<tr>
<th>PERFORMANCE</th>
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<tbody>
<tr>
<td>Endurance</td>
<td>24 Hours</td>
</tr>
<tr>
<td>Service ceiling</td>
<td>30,000 ft (MSL)</td>
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<tr>
<td>Datalink range</td>
<td>+250 km</td>
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<tr>
<td>Powerplant</td>
<td>Heavy Fuel Engine (155hp)</td>
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<tr>
<td>Payload Capacity</td>
<td>250 kg (full endurance)</td>
</tr>
</tbody>
</table>

**CONTROL STATION FEATURES**

- NATO compliant ACEIII 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