BAYKAR

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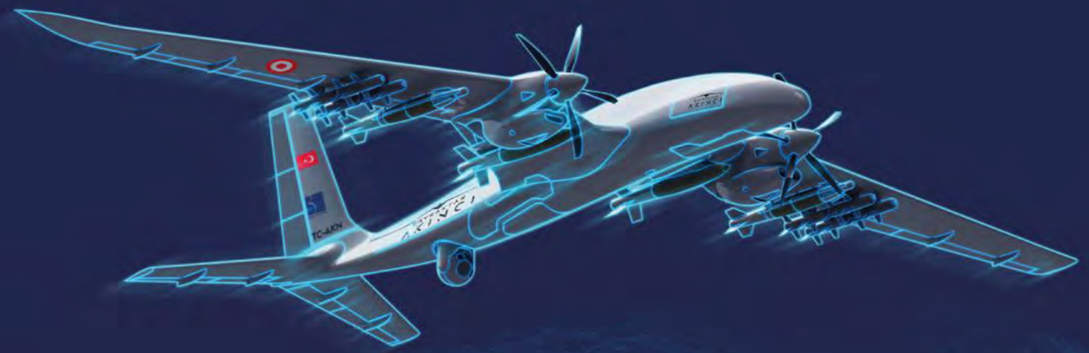
BAYRAKTAR

AKINCI



BAYKAR

BAYRAKTAR AKINCI

TECHNICAL **SPECIFICATIONS**

Cruise Speed	150 knots
Maximum Speed	250 knots
Operational Altitude	30,000 ft
Service Ceiling	40,000 ft
Endurance	20 hours
Wingspan	20 m
Length	12.3 m
Takeoff & Landing	Runway
MTOW	5,500 kg
Payload Capacity	1,350 kg (450 kg Int. + 900 kg Ext.)
Fuel	Jet-A1 / JP-8
Thrust	Turboprop with 5 blade propeller
Power	2x450 hp or 2x750 hp options

TECHNICAL **CAPABILITIES**

Fault Tolerant System Architecture
Triple Redundant Flight Control System
Redundant Sensors and Actuators
Air-to-Ground Munition Delivery
Air-to-Air Missile Launch
Satellite Communication
Advanced Autonomy and Artificial Intelligence
Advanced Radar System
Electro-Optical and Thermal Imaging
Target Designation

Bayraktar Akıncı is an Unmanned Air Vehicle System designed to meet rigorous operational requirements. This aircraft carries a variety of payloads for reconnaissance, survey, intelligence, electronic warfare, designation and attack missions, and can fly extended hours at high altitudes. Advanced autonomy reduces operator burden and its redundant avionics architecture, including a triple redundant autopilot, maximizes flight safety. The aircraft's thrust system showcases a highly reliable dual turboprop engine configuration that minimizes the likelihood of power loss.

With an infrastructure that allows for integration of all nationally-developed air-to-air and air-to-ground munitions, the system reduces operational necessities and costs relative to manned systems with comparable capability. A robust satellite data link enables performing missions in regions with no communication infrastructure, and advanced navigation systems enable the aircraft to fly within electronic warfare environments.

Akıncı aircraft will have augmented situational awareness and sense the environment thanks to Artificial Intelligence onboard and will be able to reroute itself to avoid static and dynamic obstacles.

TO MAKE IT THE WORLD'S MOST ADVANCED TECHNOLOGICAL SYSTEM IN ITS OWN CLASS,
BAYRAKTAR AKINCI ATTACK UNMANNED AERIAL VEHICLE SYSTEM
WILL BE EQUIPPED WITH THE FOLLOWING MISSILES AND BOMBS WHICH ARE DOMESTIC PRODUCTIONS
MAM-L, MAM-C, CİRİT, L-UMTAS, BOZOK, MK-81, MK-82, MK-83, KANATLI GÜDÜM KİTİ (KGK)-MK-82, GÖKDOĞAN, BOZDOĞAN, SOM-A.