

## SPACE SYSTEMS



### TÜRSAT 6A

Indigenous Electrical Communication Satellite

- Ku Band Communications Satellite
- Mass Budget: 4.7 tons
- Joint Development with TÜBİTAK Space, ASELSAN and CTech



### GÖKTÜRK-2

High Resolution Electro-Optical Satellite System

- Türkiye's First HD Observation Satellite
- Mass Budget: 408 Kg
- Joint Development with TÜBİTAK Space



### NEW GENERATION SMALL SIZE COMMUNICATION SATELLITE

- Communications Satellite System
- 16-24 Transponder Capacity
- Full Electrical Propulsion System
- Multi Launch Capability



### GÖKTÜRK-REPLACEMENT

Very High Resolution Electro-Optical Satellite System

- Very High Resolution Electro Optical Reconnaissance Satellite
- Prime Contractor
- Engineered by TA
- Mass Budget: 1,000 Kg

## CUSTOMIZED MODERNIZATION SOLUTIONS

- C-130 and T-38 Avionics Modernization
- F-16 Structural and Avionics Modernization
- AEW&C (B737) Conversion
- Maritime Patrol Aircraft (MPA) / Maritime Surveillance Aircraft (MSA) Conversions
- S70, UH-60, AH-1 and UH-1 Helicopter Avionic Modernization

## AEROSTRUCTURES *Design to Manufacturing*

From design to manufacturing, final assembly to testing of complex metallic and composite aerostructures, Turkish Aerospace is an important player in the military and commercial aviation industry.

### REFERENCES

#### Commercial

##### AIRBUS

- A320 Family Section 18&19
- A350 XWB Ailerons
- A350F Barrier Wall
- A220 Fixed Trailing Edge, Canopy & Windshield,
- Ti-Machining Sub-Assemblies
- A330 Rudder

##### BOEING

- 787 Elevators, Cargo Barriers, Horizontal Leading Edges
- 737 MAX Elevator & Tab, Fan Cowl
- 737/MAX, 747, 767, 777/X, 787 Aerostructures

##### LEONARDO

- AW139 Fuselage & Canopy

#### Military

- AIRBUS A400M
- SIKORSKY - UH-60M/S70i/S-76
- T70

# BUSINESS AREAS

### AIRCRAFT



HÜRKUŞ



HÜRJET



KAAAN

### HELICOPTER



T129 ATAK



T625 GÖKBAY



T70



T929 ATAK II



T925

### UAS



ŞİMŞEK



ANKA



AKSUNGUR



ANKA III

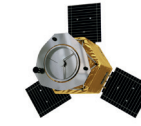
### SPACE SYSTEMS



GÖKTÜRK-2



TÜRSAT 6A



GÖKTÜRK-REPLACEMENT



SMALL-GEO

### AEROSTRUCTURES



A400M



AIRBUS A320



BOEING 787



LEONARDO AW139

### MODERNIZATION



T38



C130



UH-60



AH-1

### Turkish Aerospace

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TURKISH  
AEROSPACE



## AIRCRAFT



### KAAN

Turkish Fighter

- 5<sup>th</sup> Generation Jet Fighter Aircraft
- Extended Combat Radius
- Internal Weapon Bay
- Supercruise Capability
- Low Observable
- Multi Role
  - Air to Air Role
  - Air to Ground Role
- Roll-out: 16 March 2023



### HÜRJET

Advanced Jet Trainer and Light Attack Aircraft

- Maximum Speed: 1.4 Mach
- Maximum Altitude: 45,000 ft
- Payload Capacity: 6,000 lbs
- G Limits: +8g/-3g
- Acroteam
- Lead-in Fighter Trainer
- Close Air Support
- Air to Air, Air to Ground Strike
- Maiden Flight: 25 April 2023



### HÜRKUŞ

Mission Aircraft

- Mission Payloads: 650 kg
- Guided / Unguided Bombs Missiles
- General Purpose Bombs
- 12.7 (.50 Cal.) Gun Pod
- Laser Guided Micro Munitions
- 2.75 Laser Guided Rockets
- Training Bombs
- EO/IR Targeting / Imaging System
- Full Motion Video Downlink
- External Fuel Tanks



### HÜRKUŞ

Advanced Trainer

- 1,600 shp Pratt & Whitney PT 6 Engine
- O/O Martin Baker Ejection Seats
- OBOGS
- Environmental Control System
- Best in Class Viewing Angle
- HUD
- SMS Simulation
- EASA CS 23 Certification July 2016

## HELICOPTER



### T129 ATAK

Multirole Combat Helicopter

- MTOW > 5,000 kg
- State of the art avionics and mission equipment
- Hot & high performance efficiency
- Day & night, accurate navigation & targeting
- Inherent survivability features
- Precision strike long range weapon systems



### T625 GÖKBAY

Multirole Utility Helicopter

- Military, Paramilitary and Commercial Use
- Civil Certification (CS-29)
- IFR & Category-A Certification
- Hot & High Performance
- MTOW: 6,050 kg
- 2 Crew + 12 Passengers
- Maiden Flight: 6 September 2018



### T929 ATAK II

Multirole Heavy Combat Helicopter

- MTOW: 11-12 tonnes
- State of the Art Avionics and Mission Equipment
- High & Hot Performance Efficiency
- Day & Night, Accurate Navigation & Targeting
- Inherent Survivability Features
- Precision Strike Long Range Weapon Systems
- Advanced Armament Options
- Maiden Flight: 28 April 2023



### T925

Multirole Utility Helicopter

- 20+ Personnel Capacity
- Maximum Cruise Speed: 170 kts
- Range: 1,000 km
- Retractable Landing Gears
- All Purpose Wide Cabin

## UAV SYSTEMS



### ANKA III

Unmanned Combat Aerial Vehicle

- Common GCS and Avionics Architecture with ANKA & AKSUNGUR UAS
- Low Radar Observability
- High Subsonic Speed
- High Payload Capacity
- LOS / BLOS (SATCOM)
- MTOW: 6,500 kg
- Payload Capacity: 1,200kg
- Service Ceiling: 40,000 ft
- Endurance: 10 hrs @30,000 ft
- Cruise Speed: 250kts / 0.42M @30,000 ft
- Max. Speed: 425kts / 0.7M @30,000 ft



### AKSUNGUR

High Payload Capacity UAS

- Medium-High Altitude Long Endurance MALE+
- ISR, Maritime Surveillance and Strike Missions
- GCS and Datalink Compatibility with ANKA UAS
- Altitude: 40,000 ft
- Endurance: 50 Hours
- MTOW: 3,300 kg
- Range: LOS / BLOS
- Payloads: 750+ kg



### ANKA

Multirole UAV System

- MALE-Medium Altitude Long Endurance
- ISR, Maritime Surveillance and Strike Missions
- Combat Proven : 200,000+ flight hours
- Service Ceiling: 30,000 ft
- Endurance: 30 hours
- Range: LOS / BLOS
- MTOW: 1,700 kg
- Payloads: 350+ kg



### ŞİMŞEK

High Speed Target Drone System

- High Speed and Maneuver
- Modular Design
- Operated From Land
- Service Altitude: 50 - 25,000 ft
- Endurance: 45+ minutes
- Range: 120+ km (Tracker Antenna) (LOS)
- Range: 50+ km (Omni Directional Antenna) (LOS)
- Max Speed: 350+ knots