TAAC
AEROSPACE TECHNOLOGIES

CAPABILITIES

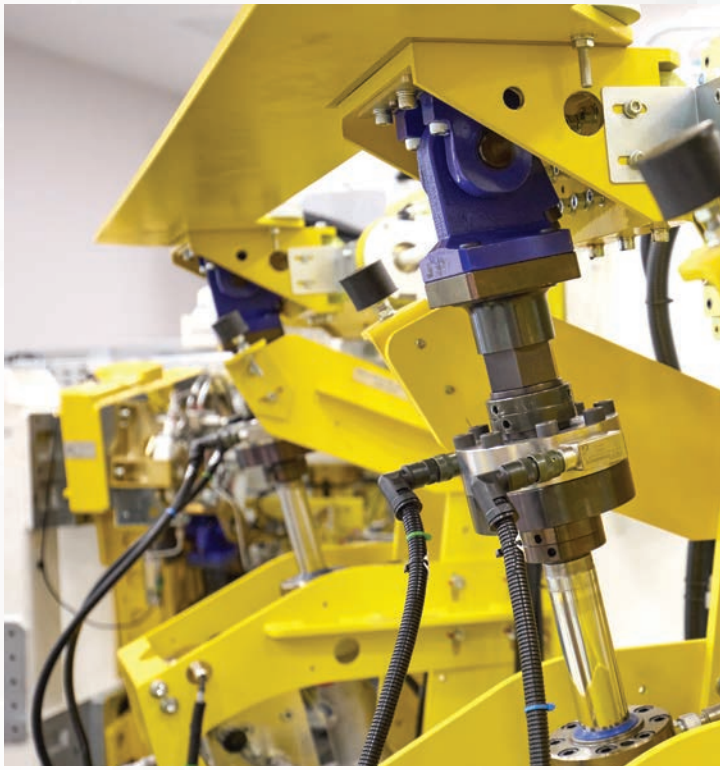
TEST SYSTEMS

CAPABILITIES

Innovative, Reliable, and Mission-Ready Test Solutions for Aerospace Systems

TEST RIGS

- **Avionics HIL & SIL Rigs:** Real-time closed-loop and fault-injection platforms, compliant with DO-178C / DO-254, accelerating avionics development and certification.
- **Structural Rigs:** Static, fatigue, and endurance rigs for flight control systems and landing gears, compliant with EASA CS-23 / CS-25 standards, ensuring safety and performance.
- **Fuel & Hydraulic Rigs:** Safe, explosion-proof fuel testing and advanced hydraulic rigs with temperature conditioning and diagnostics, enabling safe and repeatable validation of critical systems



TAAC
AEROSPACE TECHNOLOGIES

CONDITIONING CHAMBERS

Ensuring components perform reliably under any condition is critical. TAAC develops **environmental and oil conditioning units** to simulate real operational stresses.

- **Environmental Chambers:** –55 °C to +85 °C configurable range, MIL-STD-810 compliant, providing realistic environmental stress testing for avionics and equipment.
- **Oil Conditioning Units:** –40 °C to +110 °C configurable range, with integrated flow/pressure regulation, supporting testing of actuators and hydraulic systems.

GROUND SUPPORT SYSTEMS

TAAC designs and manufactures **high-performance Ground Support Equipment (GSE)** for both civil and military aircraft.

- **Hydraulic Systems:** Dual-pressure (3000–5000 psi) simulation of onboard hydraulics with advanced filtration, contamination monitoring, fluid replacement and full mission replication.
- **Electrical Systems:** MIL-STD-704 compliant solution replicating aircraft electrical power conditions, with controlled voltage, surge protection, and full avionics and subsystem testing on the ground.

A COMPLETE SYSTEM OF SYSTEMS

TAAC's approach goes beyond individual equipment — we deliver **integrated test ecosystems** that combine hardware, software, and infrastructure into seamless solutions. From planning and requirements to commissioning and long-term support, TAAC ensures **safe, efficient, and future-proof testing for aerospace platforms.**

TAAC
AEROSPACE TECHNOLOGIES

TAAC Aerospace Technologies
Sanayi Mah. Teknopark Bul. No:1/7C
Pendik / İstanbul / Türkiye
www.taac.com.tr
bd@taac.com.tr

TURKISH AEROSPACE

altınay Defense

TAAC IS A SUBSIDIARY OF TURKISH AEROSPACE & ALTINAY DEFENSE.