

AEROSPACE TESTING SOLUTIONS

FROM OUR MULTI-DISCIPLINARY TEAM OF ENGINEERS, ARCHITECTS, AND PROJECT MANAGERS

ACS offers a comprehensive range of services for aerospace companies, including designing and building test facilities, providing advanced testing equipment and instrumentation, and software systems for conducting testing and data analysis. We deliver tailored solutions that meet the full scope of testing needs of our clients, with specialized expertise in facility and equipment integration. Our team of experienced professionals enables us to undertake projects of any size or complexity.

With decades of achievement, the ACS team excels in the development, construction, and integration of research and development technical centers. Our broad expertise is evident in the successful completion of more than 500 test cell and facility projects for a diverse range of clients, including commercial and military aerospace OEMs, tier one suppliers, fuel and energy companies, automotive and engine manufacturers, as well as academic and third-party research facilities.

WE PROVIDE TURNKEY AND INDIVIDUAL DELIVERABLES ENCOMPASSING:

- Front End Planning [FEP]
- Design and Engineering
- Systems Integration
- Pre-Construction and Construction Management
- Program Management and Project Management
- Acceptance Criteria Development and Validation
- Commissioning
- Turnover



SCOPE OF SERVICES

With our breadth of internal knowledge and capabilities, we regularly undertake large, complex projects, while also delivering small projects cost-effectively, and always with high value. Our expertise in engineering, equipment procurement, supply chain management, construction, risk management, and facility integration, combined with our flexible project delivery, enables us to provide solutions that meet our clients' schedule, cost, and functional requirements. Whether it's in the aerospace industry or other fields, we work with our clients to provide optimal solutions to meet their needs.

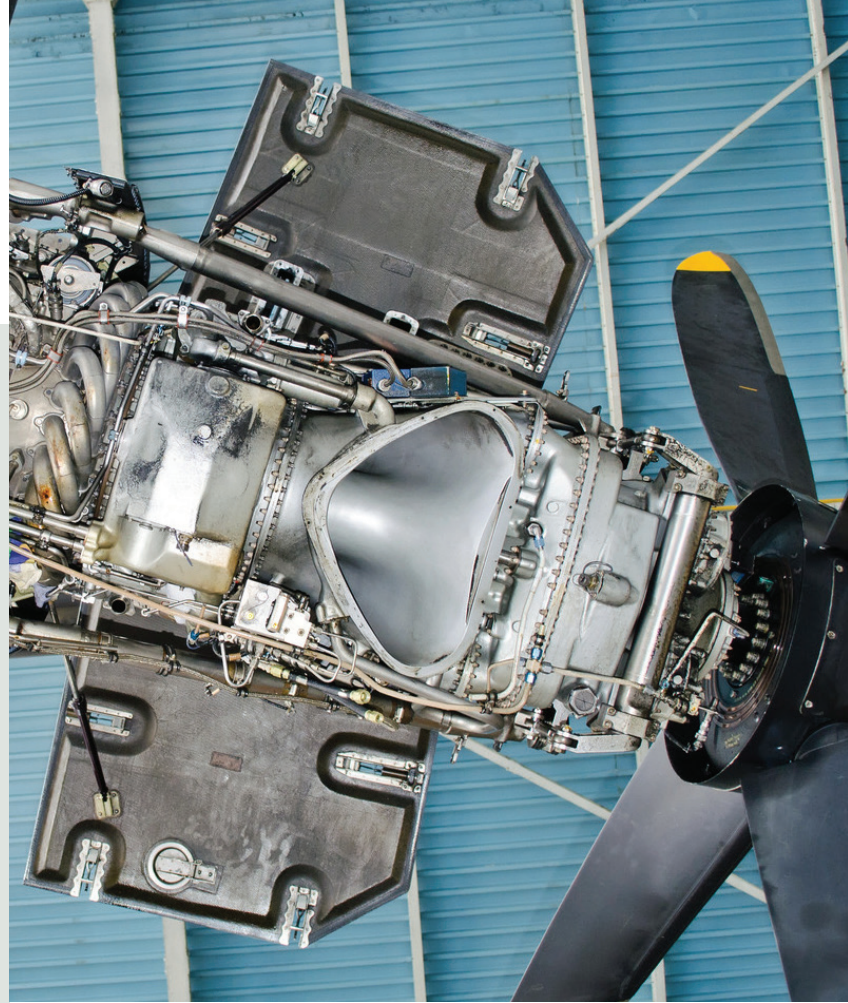


ACS AEROSPACE CAPABILITIES AND SERVICES INCLUDE:

- Systems and equipment design and build for:
 - Component test stands
 - Control systems and panel build
 - Custom engineered systems
 - Fluid and mechanical systems
 - Safety Integrated Systems (SIS)
- Test applications:
 - Airframe
 - Altitude
 - Component test
 - EMI/EMC
 - Environmental
 - Gaseous and liquid fuel supply and handling
 - High voltage/current systems
 - Hydraulics
 - NVH/Acoustics and vibration
 - Propulsion:
 - Solid and liquid fuel rockets
 - Turbofan
 - Turbojet
 - Turboprop
 - Thermal
- Turnkey test facilities

COMPLIANCE – EXPORT CONTROL, ITAR, FAA REGULATIONS

ACS fully complies with all U.S. export control regulations, including the International Traffic in Arms Regulations (ITAR). We assist our customers with incorporating FAA regulations in aerospace testing, including safety standards, equipment, and facility design requirements, and foreign object debris/damage (FOD) programs.



COMPREHENSIVE TEST CELL FACILITY SUPPORT

ACS offers a range of test cell facility support services to aerospace and defense customers, including turnkey test cell design and build, test equipment design and fabrication, calibration, system upgrades, and on-site equipment maintenance.

A well-planned and well-executed upgrade or renovation improves safety, reliability, and data collection.

Collaborating with our skilled designers and engineers ensures minimal downtime and a smooth transition to meeting new requirements. Types of test cells include:

- R&D
- Production
- MRO

ACS provides engineering design, construction management, custom equipment, and controls solutions for industrial, manufacturing, laboratory, and research facilities.