

Jacobs' Team Experience - Jacobs

Engineering Support Services III for NAVAIR China Lake, Pt. Mugu, Pax River

On this approximately 200-person contract, Jacobs provides engineering support services for weapons system development for the NAWCWD at multiple on-site and off-site locations with the focal point of operations at China Lake and Pt. Mugu, CA, and Patuxent River, MD. Overall areas of support include systems engineering, test and evaluation, technical data support, configuration management, integrated logistics support, technical data management support, transition engineering, and management support services. We also provide comprehensive support for the design, acquisition, test, and sustainment of principle DOD weapon systems, including support for all phases of the acquisition cycle ranging from research and technology programs to deployment and sustainment engineering. A few of the many programs we support include NAVSEA, NAVAIR, and joint U.S. Navy/Air Force programs such as AMRAAM, Tomahawk, HARPOON, Evolved SeaSparrow Missile, and AIM-9X.

Technical Engineering & Acquisition Support (TEAS)

Jacobs provides systems engineering and integration support to the research, development, acquisition, test, and sustainment of virtually all U.S. Air Force air-launched weapon systems, test and training range systems, and numerous air combat support systems. The objective of this 700+ person contract is to augment AAC's organic capabilities for developing, testing, and fielding armament and armament support systems, including programs to support critical missions. We provide support to programs in all phases of the acquisition cycle, ranging from basic research and technology to deployment and sustainment engineering. Our services include systems engineering, requirements analysis, analysis of alternatives, technical risk assessments, modeling and simulation, information technology, test and evaluation, verification, and lifecycle support.

Test Support Services for the U.S. Army's Aberdeen Test Center (ATC), MD

Jacobs provides test support services for the Army's breadth of combat, special purpose and passenger vehicles, weapons, and soldier systems at the Army's ATC at Aberdeen Proving Ground in MD – one of the most diverse and rigorous test ranges in the DOD. Our 850+ personnel support ATC in its mission to plan, conduct, and validate data and report on testing supporting research, development, test and evaluation, design, engineering, production, surveillance, and operational tests of military weapons systems and equipment for DOD, other Government agencies, contractors, foreign governments, academia, and private industry. We integrate our mission support services into every function of ATC testing.

Global Battlestaff and Program Support for USSOCOM, FL

Centered at MacDill AFB in Tampa, FL and reaching around the world, our GBPS contract with USSOCOM and its components provides competitive services in three main areas: Operational and Intelligence Support, Acquisition & Logistics Management, and Business Operations and Financial Management. As the prime contractor, our 161 personnel provide support in such areas as time-sensitive military planning, interagency support, Intelligence, Surveillance and Reconnaissance (ISR)

program analysis (including biometrics, socio-cultural analysis, geospatial analysis, signals intelligence, and human terrain initiatives with ISR support), administrative support, public affairs, training, accounting, budgeting (including joint support, budget and resource management activities), readiness planning and reporting, personnel and manpower accountability and reporting, acquisition and lifecycle program management, procurement support, engineering support (including research, development, science, technology, and systems engineering), graphics support, and other business for USSOCOM and its subordinate organizations.

Operation, Maintenance, Information Management, and Support for Arnold Engineering Development Complex (AEDC), Arnold AFB, TN

As managing partner of the Aerospace Testing Alliance (ATA) joint venture, Jacobs manages a workforce of approximately 2,000 personnel providing operation, maintenance, information management, and support of processes, facilities, and infrastructure at the U.S. Air Force's AEDC near Tullahoma, TN. AEDC is the world's largest and most advanced complex of flight simulation test facilities, comprised of nearly 60 aeronautical testing facilities with a replacement value in excess of \$10B. ATA conducts aerodynamic, aeropropulsion, and space testing and operates and maintains wind tunnels, engine test facilities, rocket test facilities, ranges, and space chambers. ATA also provides base operating support for utilities systems operation and maintenance, civil engineering, operation of fire and police departments, dispensary operation, and environmental remediation and stewardship.

Research Operations Support Services (ROSS) for the AFRL, Edwards AFB, CA

As prime contractor with more than 100 propulsion and support professionals, Jacobs provides research operations support for the U.S. Air Force Research Laboratory (AFRL) at Edwards Air Force Base, CA, including planning, scheduling, management, and evaluation of liquid, solid, hybrid, electronic, and chemical propulsion system tests. Jacobs' experts utilize cutting-edge technology in the design, modification, operations, and maintenance of rocket facilities and laboratory facilities to include system predictive, preventative, and on-call maintenance. By forming strong partner-driven and procured subcontract relationships, we are responsible for component, subsystem, and system cleaning, calibration, and certification. Our support of laboratory activities for propulsion system research and development is measurable, garnering ever-increasing award fee scores and praise from Government as well as commercial customers.

Design and Engineering Support Program (DESP) for Hill AFB, Clearfield, UT

Jacobs' approximately 80 technical personnel support DOD agencies through the DESP IDIQ contract, managed by the U.S. Air Force at Ogden Air Logistics Center, UT. Using the DESP, Jacobs provides a variety of engineering and technical services for the U.S. Air Force and U.S. Army. Typical activities include A-10 structural analysis and repair tooling/procedures; engineering services in support of munitions sustainment; development, design, and installation of equipment and tools to enhance depot maintenance for the C-5, C-130, C-17, and F-15; technical support to improve efficiency of depot maintenance for aircraft such as the C-5, C-130, C-17, F-15, and KC-135; support for advancement of future technologies for U.S. Army ground vehicles; and technical support to U.S. Air Force test and training ranges.

Research Operations, Maintenance, Engineering (ROME), and Information Technology Support for NASA LaRC, Langley, VA

Jacobs provides research and facility operations, maintenance, engineering, and information technology (IT) services for NASA LaRC in Hampton, VA. Our services on the 450+ person contract include design engineering, design/build project management, construction management, tactical engineering, facility operation and maintenance, configuration management, document control, facility IT integration and support, and information systems management. We also support NASA space programs with atmospheric research and technology testing and development. Jacobs plays a role in fulfilling the new space exploration program's vision by participating in the evaluation of the Orion crew module conceptual designs by providing design and construction of the Hydro Impact Basin which will simulate water landing loads on any future capsule and by the testing of prototypes in LaRC's wind tunnels. We also help LaRC lead NASA's initiatives in aviation safety, quiet aircraft technology, small aircraft transportation, and aerospace vehicles system technology.

JSC Engineering, Technology, and Science (JETS) Contract for NASA Johnson Space Center, TX

As the prime contractor for JETS, Jacobs augments the JSC testing and engineering facilities with ~800 employees. Our personnel provide space systems-centric engineering, science, Operations and Maintenance services at NASA JSC – NASA's primary center for design, development, and testing of spacecraft and associated systems for human spaceflight. Support includes providing technical expertise, investigative and analytical skills, and spacecraft flight program experience such as design, development, certification, and testing of hardware and software, along with the operation and maintenance of on-site laboratories and facilities and the research and development of new technologies. We also provide curatorial services for NASA's astromaterials collections (which include Apollo Lunar rocks, Antarctic meteorites, and returned samples from the Genesis, Stardust, and Hayabusa missions), and are responsible for several projects related to the new vision for space exploration, including the Crew Exploration Vehicle (CEV) Parachute Assembly System, CEV Crew Module Hypervelocity Impact Testing, Advanced Space Suit System Development, and James Webb Space Telescope test facility modifications.

Test Evaluation Support Team (TEST) Contract at NASA White Sands Test Facility (WSTF)

The TEST contract at NASA Johnson Space Center's WSTF near Las Cruces, NM, supports the nation's space flight mission – specifically, the Space Shuttle and the International Space Station (ISS), as well as other Federal agencies. With more than 400 personnel, Jacobs provides the expertise and supports the infrastructure to test and evaluate spacecraft materials, components, and rocket propulsion systems to enable the safe human exploration and utilization of space. Jacobs' services also include facility maintenance, logistics, depot level repair of flight hardware and the maintenance and repair of test systems required for these activities. Space Shuttle support, which is a mainstay of the workload on the TEST contract, includes refurbishment and simulated altitude testing of Forward and Aft Reaction Control System thrusters, operation of the White Sands Space Harbor which is one of three Shuttle landing sites, OMS Composite Overwrap Pressure Vessel testing, and auxiliary power unit fleet leader

testing. The Agency's hypergolic experts, most of whom are Jacobs employees, reside at WSTF, making this facility essential to the health of future hypergolic propulsion system development.

Facility Operating Services Contract (FOSC) for NASA SSC, MS

With a workforce of 650+ personnel, Jacobs provides facility operations and maintenance services to support NASA's and the SSC's missions in the areas of rocket propulsion testing, research and development in propulsion test technologies, and scientific/applied research in space technology development. This effort provides support to more than 30 federal and state agencies at SSC that share and utilize the Center's facilities and services. The scope of the FOSC contract includes program management, life support services, engineering services, institutional services, facility maintenance and operations, and logistics and transportation services to NASA SSC and tenant organizations. In addition to typical administration, quality, safety, and training services, Jacobs provides support for emergency management, configuration management of facilities and central engineering files, food and custodial services, logistical services, general resources management, and special engineering support for high pressure fluid and cryogenic handling systems. Jacobs also provides engineering services/studies in the areas of civil, architectural, mechanical, electrical, structural, environmental, construction management, and fire protection disciplines.