

About AECOM
AECOM is built to deliver a better world. We design, build, finance and operate infrastructure assets for governments, businesses and organizations in more than 150 countries. As a fully integrated firm, we connect knowledge and experience across our global network of experts to help clients solve their most complex challenges. From high-performance buildings and infrastructure, to resilient communities and environments, to stable and secure nations, our work is transformative, differentiated and vital. A *Fortune 500* firm, AECOM had revenue of approximately \$18.2 billion during fiscal year 2017. See how we deliver what others can only imagine at aecom.com and [@AECOM](https://www.instagram.com/aecom).





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AECOM Imagine it.
Delivered.

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**Military aviation solutions
to sustain and enhance
mission readiness**

60+

years supporting military aviation programs

75+

bases where we've worked for the military

87,000+

AECOM employees

150+

countries with AECOM offices

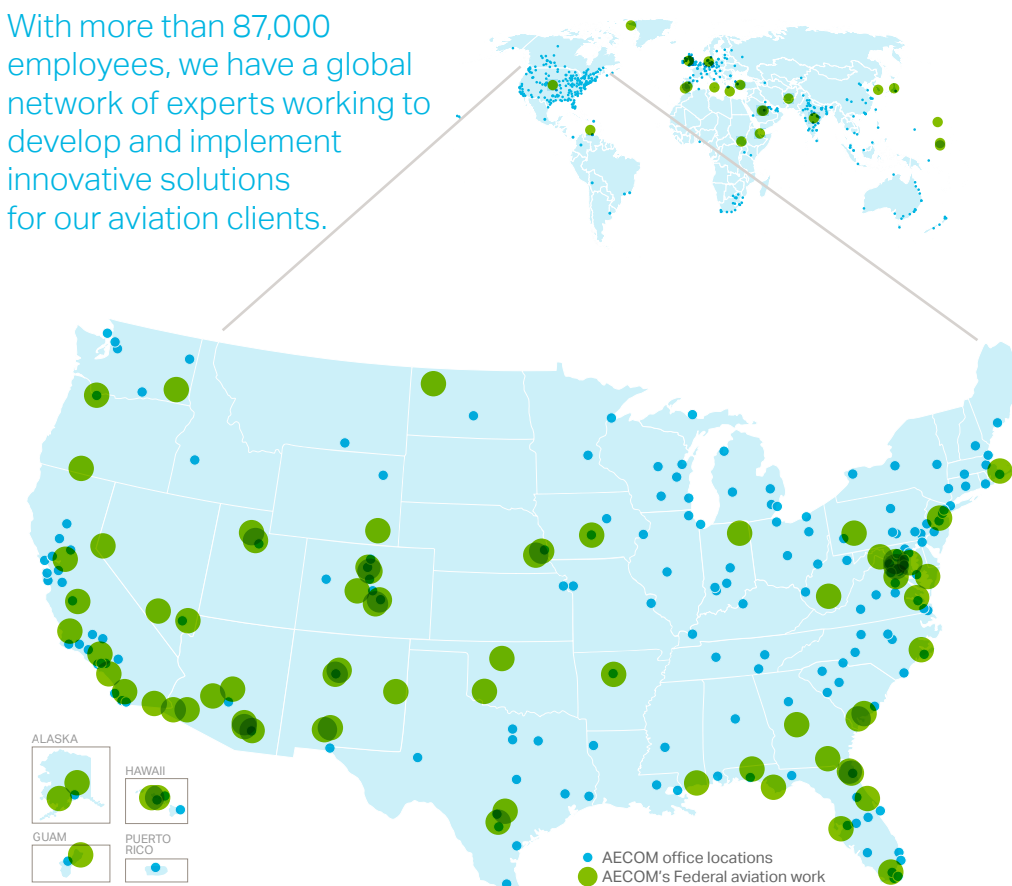


AECOM's aviation specialists work on all types of airfields and auxiliary installations.

Our aviation experts have an in-depth understanding of technical and aviation regulations. We are skilled at working on airfields and government installations in CONUS and OCONUS to deliver around the world. We plan, design and manage military aviation programs of all sizes and forms; in friendly circumstances and combat zones.

At AECOM, we know that all aviation projects are not alike, so our programs are tailored to meet our clients' needs. We offer comprehensive in-house support for design and construction of airfields, aircraft hangars, facility beddowns and support facilities. We are adept at building aviation bases from the ground up, as well as working on major upgrades that expand military capabilities while minimizing disruption to normal day-to-day operations.

With more than 87,000 employees, we have a global network of experts working to develop and implement innovative solutions for our aviation clients.



Key capabilities

- Architecture
- Aircraft arresting systems
- Airfield civil engineering
- Airfield lighting vault and systems
- Air traffic control towers
- Apron improvements
- Aviation fuel system
- Cargo facility design
- Construction management
- Design-build-finance-operate
- Design-build
- Electrical / NAVAIDS
- Environmental
- Emergency planning and response plans
- Facility beddowns
- Flight-line
- Fuel cell / corrosion control hangars
- Fuel systems
- GIS / mapping
- Hangar and maintenance facilities
- Helicopter facilities
- In-theatre support
- Landscape architecture
- LEED / sustainability
- Master plans / development
- Mechanical engineering
- Operational facilities
- Pavement management program
- Public-private partnerships (P3)
- Runway design
- Taxiway design
- Terminal facilities
- Unmanned aircraft support
- Water resources and drainage

Pictured: (top) Base Construction A/E Services for Apache Longbow Beddowns, Saudi Arabia; (bottom) Air Force One Maintenance and Support Facility, Joint Base Andrews, Maryland



2018 Engineering News-Record (ENR) Rankings

#1 Transportation #1 General Building #2 Global Design Firm



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Image courtesy U.S. Air Force/Samuel Morse



Image courtesy USMC/Ken Kalemkarian



Representative project experience

1. Edwards Air Force Base Operations Facility

Client: U.S. Air Force
Location: California

AECOM designed an award-winning, 21,000-square-foot operations facility, including an administrative building and support facilities. Taking full advantage of the facility's location, its entrance opens to the flight line and the overall design allows for expansive views. The project received both the Air Force Materiel Command (AFMC) Honor Award for Concept Design and the AFMC Honor Award for Facility Design.

2. Joint Base Andrews Runway Replacement

Client: U.S. Air Force
Location: Maryland

AECOM provided evaluation and design for repair of two main runways at Joint Base Andrews. The work encompassed full design and construction support for pavement reconstruction of the runways. AECOM produced a final design in half the time normally appropriated for a project of this size and complexity. The west runway 01L-19R was upgraded to Category (CAT) III precision instrument approach – the first and only CONUS U.S. Air Force runway under this category.

3. Nellis Air Force Base New Aircraft Parking Ramp and Taxiway

Client: U.S. Air Force
Location: Nevada

AECOM designed and provided construction management for a base aircraft parking ramp and taxiway. Work included site layout, pavement design and related site improvements. Under additional tasks, AECOM was responsible for design of a new access road, airfield lighting, aircraft tie-downs and grounding points, fencing and the relocation of an existing communication duct bank.

4. Misawa Air Base Airfield Planning, Design and Construction Services

Client: U.S. Air Force
Location: Japan

For several years, AECOM has supported the U.S. military mission at Misawa Air Base, including planning, engineering and construction activities. AECOM was the prime contractor and designer for nine recent base construction projects. Our engineering work included repairs to the airfield lighting system, improving drainage, and HVAC systems buildings, among other improvements. AECOM has also substantially completed a study for an additional runway at Misawa Air Base on behalf of the U.S. Air Force Civil Engineer Center (AFCEC).

5. New Mission Beddown Facilities, F-35 Joint Strike Fighter

Client: Marine Corps Air Station (MCAS)
Location: Yuma, Arizona

AECOM, as a managing partner of a JV, provided A/E services for design and construction documents for a landing deck for the F-35B vertical take-off/landing and a centralized control tower. The team also designed two new maintenance hangar and squadron operations facilities with an adjacent taxiway and a parking apron. The facility design included site drainage, utilities and support infrastructure. Building designs integrated the latest AT/FP and fire protection requirements.

6. Camp Bastion New Runway and Airfield Pavements

Client: U.S. and NATO Military Forces
Location: Helmand Province, Afghanistan

AECOM provided Title I and Title II services in support of AFCEC for several design-build projects. Construction included a runway, parallel taxiway, several aprons for both fixed-wing and rotary-wing parking ramps, aircraft maintenance hangars, service roads and support facilities. AECOM was also the technical lead for helipad parking facilities on and off the airfield.



Representative project experience (continued)

7. F-15 Modernization Program

Client: U.S. Air Force Civil Engineer Center (AFCEC)
Location: Kingdom of Saudi Arabia

AECOM provided A/E services for design-build RFP packages consisting of preliminary concept designs to renovate existing and construct new facilities, ranges and airfield pavements at four bases. AECOM worked closely with the U.S. Air Force and the Royal Saudi Air Force (RSAF) to manage challenging schedules. We applied local and RSAF requirements in conjunction with the DOD's standard requirements.

8. Laughlin Air Force Base Spofford Auxiliary Airfield Full Runway Reconstruction (Title I & II)

Client: U.S. Air Force
Location: Texas

Laughlin Air Force Base is one of the U.S. Air Force's largest pilot training bases, featuring a 6,000-foot runway to evaluate student pilots conducting as many as 400 "touch and go" operations per day. AECOM developed a cost-effective comprehensive plan to address runway structural deficiencies that included rehabilitation, drainage upgrades and shoulder improvements.

9. Air National Guard Fueling System Planning and Design

Client: U.S. Air Force Civil Engineer Center
Location: Six Air National Guard Facilities

AECOM performed fuel systems deficiency surveys and provided fast-track fuel systems planning and designs to correct deficiencies at six bases. Our designers and engineers prepared DD1391s and conducted all planning and design for the fuel systems projects. AECOM strictly adhered to DOD applicable design standards, including UFC 3-460-01. Our services included project justification, engineering design drawings, specifications and cost estimates.

10. Training and Flight Simulator for F-35 Joint Strike Fighter

Client: U.S. Marine Corps
Location: MCAS Beaufort, South Carolina

AECOM provided full design for a training and flight simulator facility to accommodate the new F-35 Lightning at MCAS Beaufort. The project required strict SAPF security compliance, full fire protection, acoustic control and design to withstand hurricane wind loads. Our design approach supported Navy sustainability goals and the facility is LEED Gold certified.

11. Karwar Naval Base Seabird Project Consulting Services

Client: Indian Navy
Location: India

AECOM is providing program management and full design services for Phase IIA of the Indian Navy's largest naval infrastructure project at Karwar, which will have 100,000 personnel. AECOM is managing the planning, design, contracting and construction of this major base expansion, which includes an airbase, armament depot, dockyard repair and maintenance facilities, marine works, berths for ships and submarines, and advanced security and communications systems.

Pavement Survey and Pavement Management Program

Client: U.S. Air Force
Location: Multiple Locations

The U.S. Air Force maintains 90 bases worldwide. At each base, AECOM completes pavement condition surveys on airfields, road and parking areas and develops work plans with a 10-year outlook. These surveys are completed every four years for each base, using tablets and GPS devices. Additional surveys on shoulders and overruns are also completed.

Camp Lemonier Aircraft Maintenance Hanger

Client: U.S. Navy
Location: Djibouti, Africa

AECOM provided architectural and engineering design services for an aircraft maintenance hanger to house P-8 aircraft at the U.S. Naval Expeditionary Base and the forward operating base for the U.S. African Command (AFRICOM). The design incorporated sustainable features, including energy-efficient site orientation and placement, conservation of resources, selection of low-emission and renewable materials and equipment and strategic construction processes.

MCAS Cherry Point Master Plan Update and ATCT Siting Plan

Client: U.S. Marine Corps
Location: MCAS Cherry Point, North Carolina

AECOM completed a Master Plan Update that spans over a 40-year period to ensure strategic and efficient responses to the base's current and future missions, including its future as home base for F-35B Joint Strike Fighter squadrons and support facilities. AECOM established a detailed land use plan including a tower siting plan, roadway circulation and parking plan and flight line to accommodate the expected increase in Marines, aircraft and facilities. AECOM also conducted site visits and multiple stakeholder workshops to evaluate current standards against functional needs of future aircraft and equipment.