



# FACILITIES ENGINEERING & BASE OPERATIONS

## F A C T S H E E T



KAYA Associates, Inc. provides a wide variety of engineering services, including facilities engineering, construction management, and design. Our flexible and versatile staff handles all aspects of planning, engineering, constructing, and operating facilities ranging from a single building to a campus or installation. This involves a multidisciplinary approach including proposal preparation and planning, facility design and constructability reviews, supervision and administration of minor construction, and coordination and execution of maintenance and repair projects. We provide on-site building managers and user representatives to agencies to provide a complete turnkey approach.



### Representative Projects

When **Fort Greely, Alaska** was selected as the location for the Ground Based Mid-Course Missile Defense Test Bed, it had to be re-activated as an installation. KAYA created an Installation Master Plan detailing facilities requirements for the growing installation. KAYA also developed an Installation Design Guide that provided guidelines for all aspects of the overall visual theme for the redesigned base, including architectural and landscaping guidelines, housing improvements, and anti-terrorism force protection requirements. We were then tasked with executing the plan.

We managed all facilities work and provided program and construction management to transform the installation from a facility with a handful of staff to a fully operational garrison with over 1,400 personnel.

#### Engineering Services

##### Facility Engineering

- Antiterrorism/Force Protection
- Energy Conservation
- Facility Design
- Owner's Representative Services
- Construction Management/Quality Assurance
- Configuration Management

##### Master Planning

- Summary Development Plans
- Installation Design Guides
- Capital Improvement Strategy
- Real Property Master Plan Digest

##### MILCON Programming

- Criteria Development
- DD1391 Development

##### Interior Design Services

##### Planning and Design Charrettes

##### Turnkey Design-Build Construction





### Representative Projects Continued

KAYA provided critical and wide-ranging day-to-day Base Operations Support (BOS) services to **Fort Greely, AK and the Missile Defense Agency (MDA)** to support the effective and efficient execution of their missions. Our services included facility maintenance to the Ground Based Mid-Course Missile Defense Complex, a presidentially-mandated National Defense System; comprehensive facilities maintenance and repair to MDA cantonment area facilities; operating the lodging facilities for MDA and providing complete facilities management services; airfield operations at the Allen Army Airfield; visitors center operations; engineering services support; real property inventories and real estate documentation; providing a full array of on-site GIS support; and providing a full range of environmental services.

KAYA provided facilities planning and design services for Phase I, II, and III of the **Von Braun Complex at Redstone Arsenal, Alabama** including programming, schematic design, design development, construction documentation, building construction, post construction, and building warranty. As part of the support provided to the United States Army Space and Missile Defense Command, KAYA personnel were on-site during construction to manage joint occupancy, and verify and document construction methods for security related certifications.

KAYA provided on-site Engineering Design services and, Master Planning supporting the Facilities Management Office (FMO) of **NASA's Marshall Space Flight Center (MSFC)**. Facilities Design, work included development of contract drawings, specifications and detailed cost estimates for construction of new facilities, modifications to existing facilities, and demolition of obsolete facilities. For Master Planning KAYA assisted in the evaluation of current capabilities, identification of potential needs, and prediction of future requirements for NASA facilities, with associated cost estimates.

#### Base Operations Services

##### *Critical DoD Facility Maintenance*

- Antiterrorism/Force Protection
- Security Escorts

##### *Cantonment Area Facilities Maintenance*

- Service Calls, Work Orders
- Predictive & Preventative Maintenance
- Housing & Lodging Maintenance & Repair

##### *Lodging Facilities Management*

- Housekeeping & Customer Services
- Pest Control, Custodial, Fire Alarms

##### *Airfield Operations*

- Air Traffic Controllers
- Snow Removal, Lighting Maintenance

##### *Visitors Center Operations*

##### *Engineering Services*

- Sustainment, Restoration, Modernization
- Real Property Inventories
- Maintain Real Property System (GFEBs)

##### *Environmental Services*

