

# Kingdom of Saudi Arabia

## US Army Corps of Engineers (USACE)

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The USACE Middle East District (MED)

March 2016



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of Engineers®**



# AGENDA

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- MATOC's Goals
- Industry Day Objectives
- Overview of the US Army Corps of Engineers (USACE)
- Overview of Foreign Military Sales (FMS)
- History of USACE in the Kingdom of Saudi Arabia (KSA)
- USACE Program Management
- USACE Current Workload
- USACE Potential Workload



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# The MATOC's Goals

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- Have a contracting tool in place to rapidly execute customer requirements
- Procure a small list of pre-screened qualified contractors to execute work
- Be able to execute multiple customer requirements between \$1M and \$35M



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# Industry Day Objectives

- Sets the stage for market development for programs and projects that are in planning and early project development.
- Increase the number of high quality, Saudi construction companies
- Increase equitable competition by providing a networking forum for prime contractors and potential subcontractors
- Present the Saudi program overview and bidding requirements to potential bidders to obtain their input
- Provide training to companies on Federal Acquisition requirements
- Provide information and training support to help Saudi firms to handle administrative challenges.



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# What's in it for me?

- Insight into how the US Army Corps of Engineers Contracts.
- Meeting and coordination time to connect with high performing construction contractors.



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# USACE Overview

- USACE is the world's largest public engineering organization comprised of over 30,000 US Army civilians and more than 500 officers.
- Over 230 years of public service to the US and more than 100 foreign countries.
- USACE provides planning, programming, project management, engineering and design, contracting and acquisition, contract management and construction supervision.
- Foreign Military Sales: USACE provides these technical services to Host Nations through government to government agreements. A FMS case establishes an international agreement through a signed Letter of Offer and Acceptance.



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# USACE History in Saudi Arabia

• 1950's the Corps was responsible for the expansion of the airfield in Dhahran for the US Air Force



Aerial view of the Dhahran airfield looking south, September 1954.

1950's

• 1950's and 60's the Corps built a new civil air terminal in Dhahran and a training school for the Royal Saudi Air Force in Riyadh.



South face of the Dhahran Civil Air Terminal under construction, January 1961

1960's

• USACE also established a nationwide television system for the Saudi Ministry of Information (MOI)



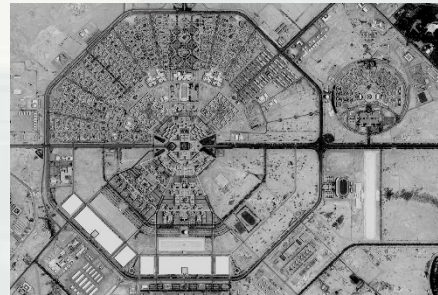
Television studio building in Dammam, ca. 1968

• Engineer Assistance Agreement with the Ministry of Defense and Aviation (MODA) signed in 1965 to assist the Saudis in modernization of their military including construction of military cantonments, medical facilities, military academies, and support of the Saudi Arabia Mobility Program.



Saudi Arabia District Office, Riyadh, 1969

1970's



Model of King Khalid Military City, 1975

1980's



Model of the Saudi Arabian National Guard headquarters

• Sample USACE project for MODA



Headquarters, Ministry of Defense and Aviation, Riyadh, June 1986



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# KSA/USACE Partnership

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- Long standing partnership - USACE and the KSA have partnered in construction and engineering efforts since the early 1950's
- Commitment to strengthening our partnership - USACE provides construction and engineering services to the KSA, at cost, without profit motive, in accordance with US law
- Our mission is driven by national and allied interests – support to U.S. service components and our allied partners in the Middle East and Central Asia during both peacetime and contingency operations in accordance with government-to-government agreements



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# Security Cooperation



Security cooperation is the cornerstone of the US relationship with Saudi Arabia. The United States Government and the US Army Corps of Engineers is dedicated to support Saudi Arabia in enhancing its defense capabilities to deter hostile actions, and increase US-Saudi interoperability to positively impact security and stability in the region as well as the global economy.



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# International and Interagency Support

- Foreign Military Sales
- Foreign Assistance Act (607)
- Humanitarian Assistance
- Counternarcotics
- Support for Others



Aircraft Shelters



Aircraft Facilities



Aircraft Runways



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# USACE Global Engagement

- Engagement - 100+ Countries
- Physical Presence - 34 Countries



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# Middle East District Project Locations

## US Central Command Area of Responsibility

Afghanistan  
Bahrain  
Egypt  
Iraq  
Jordan  
Kazakhstan  
Kuwait  
Kyrgyzstan  
Oman  
Pakistan  
Qatar  
*Saudi Arabia*  
Tajikistan  
U.A.E.  
Yemen

### No current projects:

Kyrgyzstan  
Kazakhstan  
Lebanon  
Tajikistan  
Yemen



★ Middle East District Activities  
★ Afghanistan District



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# Saudi Ministry of Defense Overview



## US Military Training Mission to Saudi

(Performs functions of the Security Cooperation Office within MODA)

Potential Projects: Renovation of Existing Eskan Village Air Base



## General Directorate of Military Works

(Design and Construction Agent for MODA Agencies)

Potential Projects: Engineering and Technical Support



## Royal Saudi Air Defense

Potential Projects: Expansion of existing and development of new missile sites



## Royal Saudi Land Forces

Potential Projects: Apache 5 Base Upgrades Program (mostly FMS sole source directed contracts)



## Royal Saudi Air Force

Potential Projects: Various construction at new King Saud Air Base



## Royal Saudi Naval Forces

Potential Projects : Expansion of existing air and naval bases in Jubayl



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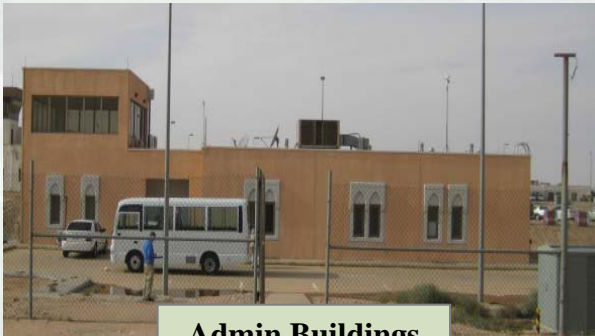


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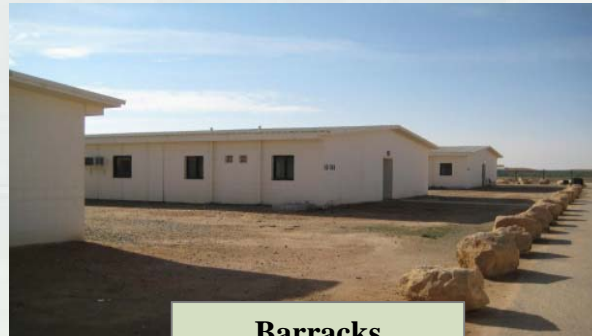
# USACE – KSA Recent Experience



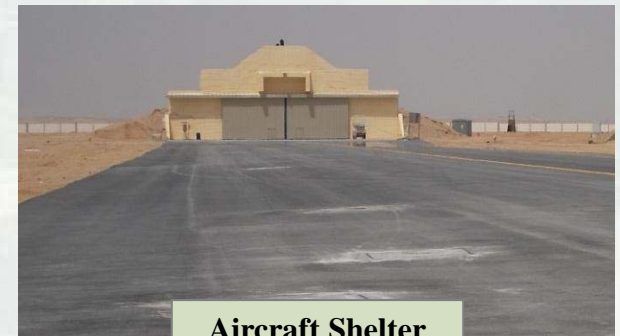
# Airbase Construction



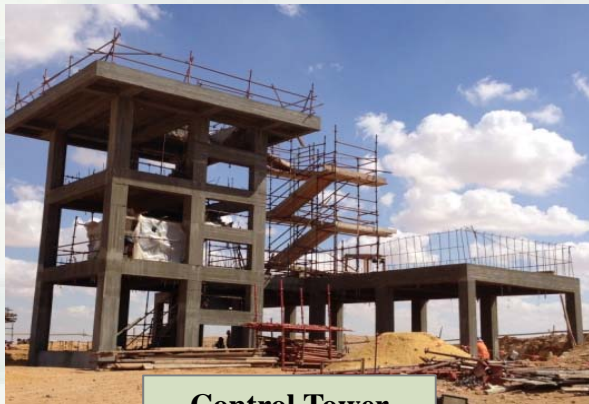
Admin Buildings



Barracks



Aircraft Shelter



Control Tower



Maintenance Hanger



Runway



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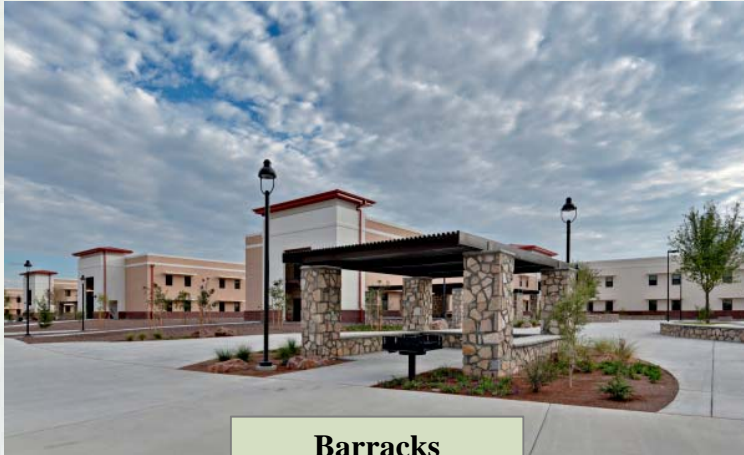
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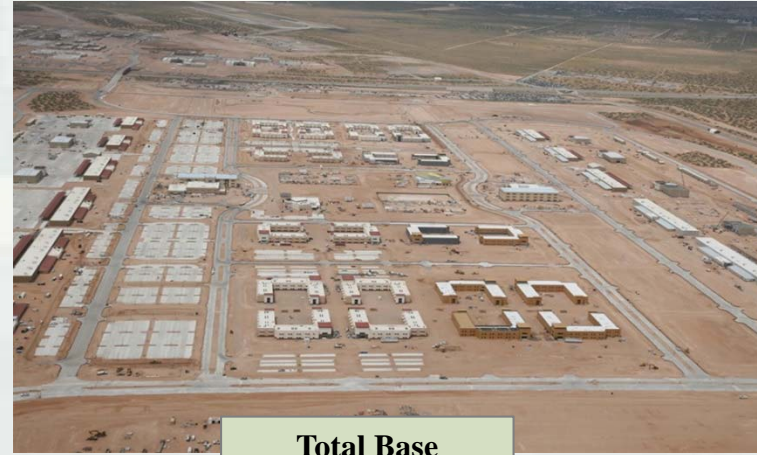


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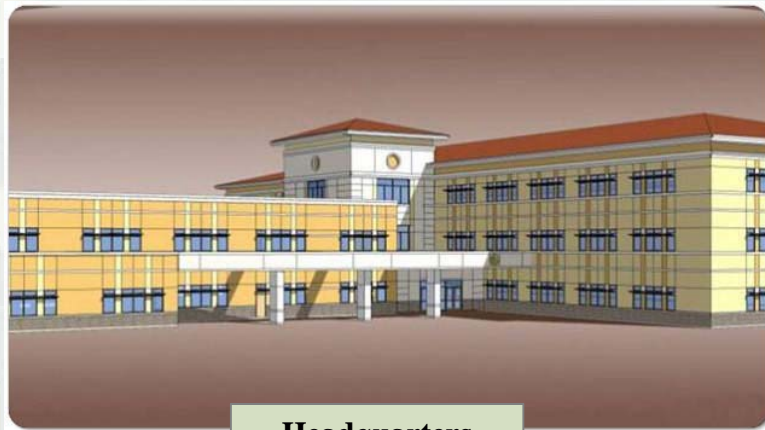
# Land Forces Base Construction



**Barracks**



**Total Base Construction**



**Headquarters**



**Ammunition Bunkers**

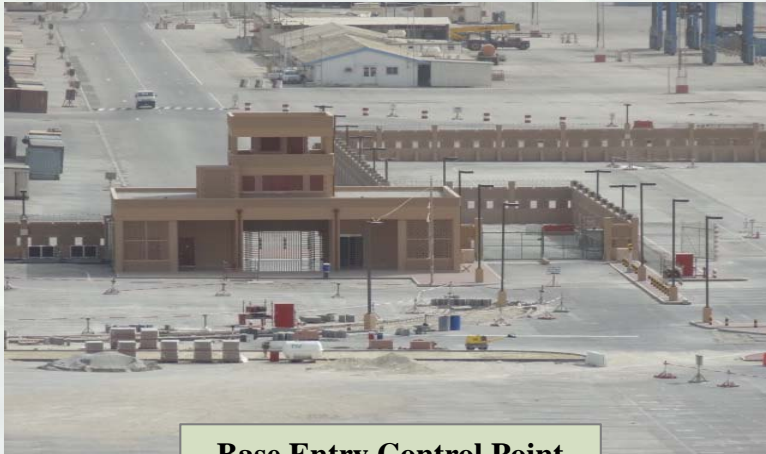


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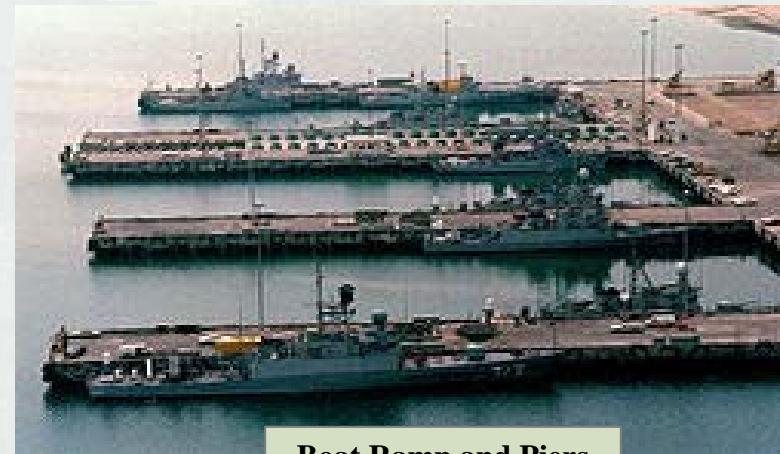




# Naval Base Construction



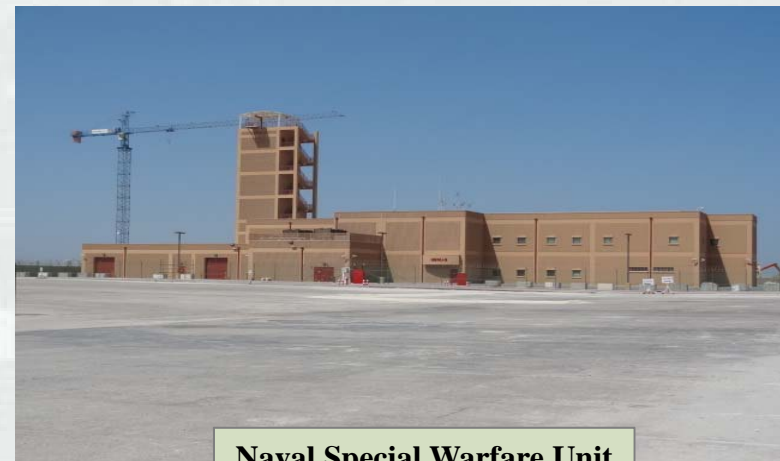
Base Entry Control Point



Boat Ramp and Piers



Ship Maintenance Facility



Naval Special Warfare Unit



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# Typical Master Schedule

## MILESTONES

## DURATIONS

### LOA Development

MED works with FMS customers to establish requirements and develop schedule and cost estimates.

### Studies and Master Planning

MED takes user requirements to develop extensive Master Planning documents for current and future construction.

### Engineering and Design

MED develops detailed engineering and design documents for facilities and infrastructure.

### Contracting

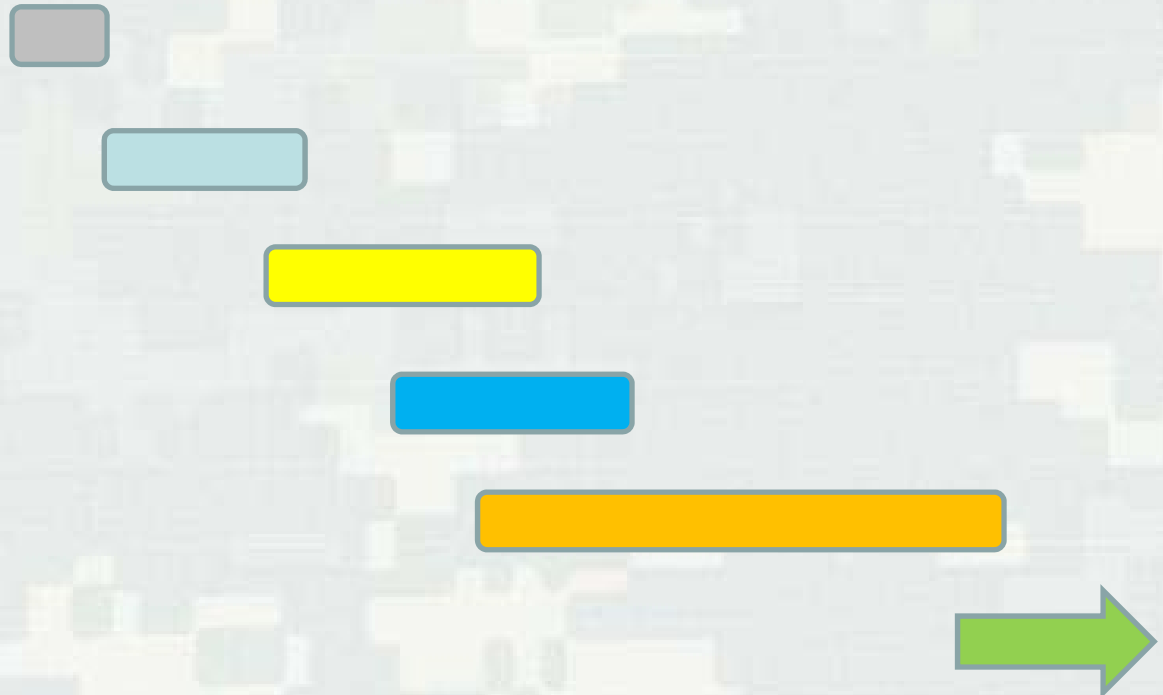
MED further develops design drawings into construction tender packages and awards contracts.

### Construction

MED oversees construction by providing Quality Assurance and administration of the contracts.

### Warranty and O&M

MED oversees the warranty process and can enter into operations and maintenance contracts on behalf of the user



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# Contracting

## MILESTONES

### Development of Contract Clauses

Source selection plan approval, market research, evaluation criteria, solicitation review board approval


### Proposal Period

Advertise, Answer Inquires, Government Estimate, Evaluate proposals, source selection review, negotiate, determination


### Contract Award

Award of Contract, Document collection, Issue Notice to Proceed, Set up contract in management system

## DURATIONS

 Ready to Advertise



 Notice to Proceed



MAJOR MILESTONES



Required to Achieve April 2019 Delivery Date



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# Construction

## MILESTONES

### Contractor Kick-Off

Initial Construction Submittals, Kick-off/Partnering Meetings, Cleared for Construction/Contractor Mobilization

### Supervision and Administration

Period of Performance, QA Inspections, Submittal Reviews, Status Updates, Contract Administration

### Final Inspections

Red Zone Meetings, Pre-Final Inspections, Final Inspections, Punch-List

### Building Turnover

O&M Manuals, Warranties, Training, Construction Completion, Demobilization

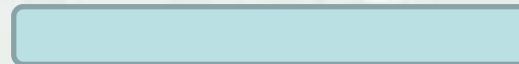
### Beneficial Occupancy Date

Punch-list Completion, Final Turnover, Factors in Risk for change orders and contractor delays

## DURATIONS



Pre-Construction Meeting



Period of Performance



Final Inspections



Construction Completion



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MAJOR MILESTONES



Required to Achieve April 2019 Delivery Date

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# Project Delivery Phases

- **LOA Development**

Establishment of project requirements, scope of services, stakeholders and communications plan, preliminary schedule and budget estimates, project phasing plan(s).

- **Studies and Master Planning**

Validation of project requirements, concept of operations, schedule and budget estimates. Contracting and execution of a Geotechnical Study, Topographic Survey, Pavement Evaluation, Facility Requirements Document, Site Layout Plan including survey of existing facilities and utilities, and build out of planned facilities as well as land allocation for future works, Preliminary Design including floor plans, 3D renderings, development of acquisition plan. Coordination of customer reviews.

- **Engineering and Design**

Contracting with subject matter experts and consultants for the Engineering and Design of facilities and site infrastructure. For the development of a technical design package. Management of consultant contracts and quality assurance of design deliverables. Coordination of customer reviews at the 35% and 95% levels of design. Continued management of project schedule and budget. Development of a construction oversight and manning strategy.

- **Contracting**

Develop contracting execution plans, evaluation criteria and market research including the identification of a qualified contractor pool. Development of the technical design package into solicitation documents, Tender and Award of Construction Contract(s) including technical and price evaluation of proposals. Process Notice to Proceed, conduct kick-off meetings and contractor partnering sessions. Administration of Construction Contract(s) throughout period of performance.

- **Construction**

Execution of Construction Works, On-site oversight of construction contractor including Quality Assurance inspections, site visits and inspections by subject matter experts. Review of contractor submittals (designs, shop drawings, technical specifications, requests for information, O&M Manuals and warranties). Processing of change orders and pay applications. Maintain and update project schedule and budget, issue status reports.

- **Operations and Maintenance**

Provide O&M support including O&M training, provide O&M Manuals, as-builts, conduct warranty inspections, oversee O&M contracts (if requested) and on-call inspections (if requested)



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