Overview of USACE Activities in Europe

SAME Kaiserslautern Post
26 SEP 2013
Agenda

- USACE & Europe District Overview
- Partners: Major Customers
- Projects: Work Outlook and Key Programs
- Challenges and Initiatives
- Q&A
Vision
Engineering solutions for our Nation’s toughest challenges.

Mission
Deliver vital public and military engineering services; partnering in peace and war to strengthen our Nation’s security, energize the economy and reduce risks from disasters.

Priorities
- Support the Warfighter
- Transform Civil Works
- Reduce Disaster Risk
- Prepare for Tomorrow
We are the Nation's most effective and dynamic public engineering and technical services organization.

With partners we anticipate and deliver innovative, sustainable solutions that support military readiness, operations, and national policies and objectives.
North Atlantic Division

Fort Hamilton, Brooklyn, NY

BG Kent D. Savre
Division Commander

EUCOM and AFRICOM
Area of Responsibility
Vision:
Europe District is one of the best in USACE at Project Delivery, as measured by customer satisfaction.

Mission:
Provide premier engineering, construction, stability operations, and environmental management products and services to the Army, Air Force, other US Government Agencies, and foreign governments throughout the US European Command and US Africa Command areas of operation.

Major Mission Lines:
- Major Construction (MILCON)
- Installation Support (O&M)
- International and Interagency Support
- Environmental
Europe District Footprint

- 400+ employees
- 25% Local Nationals
- 40 field offices in 9 countries

District HQ

Central Europe Area Office
- Kaiserslautern
- Ramstein
- Stuttgart
- Belgium
- Schinnen

Mediterranean Area Office
- Vicenza, Italy
- Incirlik, Turkey
- Tbilisi, Republic of Georgia
- Novo Selo, Bulgaria
- MK Airbase, Romania

ROBMC (Hospital) Area Office
- (future FY 16)

Hessen Area Office
- Wiesbaden

Bavaria Area Office
- Grafenwoehr
  - Hohenfels
  - Ansbach

Poland MDA Resident Office
- (future FY 16)

Romania MDA Resident Office
- Deveselu AB

Israel Area Office
- Herzliya
  - Tel Aviv
  - Beersheva
People:
Take care of team members, families, and service members.

Partners:
Support our customers, contractors, and stakeholders. Win-Win!

Projects:
Deliver quality, on schedule, within budget, safely, and transparently.
Partners: Major Customers

- **Armed Forces**
  - U.S. European Command
  - U.S. Africa Command
  - U.S. Army, Europe
    - Installation Management Command - Europe
  - U.S. Air Forces in Europe
  - U.S. Army, Africa
  - Special Operations Command, Europe
  - Special Operations Command, Africa

- **Department of Defense Agencies**
  - Missile Defense Agency
  - Department of Defense Medical
  - Department of Defense Dependent Schools
  - Defense Commissary Agency
  - Defense Logistics Agency
  - Army and Air Force Exchange Service

- **Other Governmental Agencies**
  - U.S. Department of State
  - U.S. Agency for International Development
  - U.S. Department of Homeland Security
  - Government of Israel (Ministry of Defense – MOD)
District Programs

Workload Outlook by Program Year
Total Program FY09 – FY14

<table>
<thead>
<tr>
<th>Year</th>
<th>FMS</th>
<th>IIS</th>
<th>OMA</th>
<th>MILCON</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>$43M</td>
<td>$117M</td>
<td>$236M</td>
<td>$252M</td>
<td>$648M</td>
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<tr>
<td>2010</td>
<td>$54M</td>
<td>$50M</td>
<td>$125M</td>
<td>$440M</td>
<td>$735M</td>
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<tr>
<td>2011</td>
<td>$59M</td>
<td>$19M</td>
<td>$135M</td>
<td>$549M</td>
<td>$757M</td>
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<tr>
<td>2012</td>
<td>$80M</td>
<td>$37M</td>
<td>$163M</td>
<td>$564M</td>
<td>$823M</td>
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<tr>
<td>2013</td>
<td>$70M</td>
<td>$90M</td>
<td>$366M</td>
<td>$30M</td>
<td>$606M</td>
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<tr>
<td>2014</td>
<td>$70M</td>
<td>$90M</td>
<td>$528M</td>
<td>$366M</td>
<td>$718M</td>
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</tbody>
</table>

FMS – Foreign Military Sales (Israel)
IIS – Int’l & Interagency Service (FMWRC, DeCA, EUCOM/AFRICOM Humanitarian Assistance, USAID, MCC, etc.)
O&M – Operations & Maintenance (Army, Air Force, and Environmental)
MILCON – Military Construction (Army, Air Force, DoD Medical, DoDDS, MDA, and Army Family Housing)
Workload / Work Force Outlook
Program Drivers and Potential Opportunities

- Program Drivers (FY12 - FY17)
  - MDA
  - ROBMC (Hospital)
  - DoDDS
  - FMS (Israel Program)

- Potential Opportunities (O&M)
  - EUCOM / AFRICOM Support
  - Kaiserslautern Transformation
  - Baumholder Stationing
  - Sustainability and Energy Efficiency Initiatives
## Major Programs – FY13

<table>
<thead>
<tr>
<th>Project</th>
<th>Location</th>
<th>PN</th>
<th>Funds</th>
<th>PY</th>
<th>Magnitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wiesbaden HS</td>
<td>Wiesbaden</td>
<td>EU00043</td>
<td>DoDDS</td>
<td>2013</td>
<td>Over $50M</td>
</tr>
<tr>
<td>Townhouses</td>
<td>Grafenwoehr</td>
<td>77731</td>
<td>PIK-SFO</td>
<td>2013</td>
<td>$10M - $25M</td>
</tr>
<tr>
<td>Revitalize Family Housing</td>
<td>Grafenwoehr</td>
<td>78214</td>
<td>PIK-SFO</td>
<td>2013</td>
<td>$1M - $5M</td>
</tr>
<tr>
<td>Furniture Warehouse</td>
<td>Grafenwoehr</td>
<td>78223</td>
<td>PIK-SFO</td>
<td>2013</td>
<td>$5M - $10M</td>
</tr>
<tr>
<td>DISA Europe UPS</td>
<td>Stuttgart</td>
<td>DISA2340</td>
<td>DOD</td>
<td>2013</td>
<td>$1M - $5M</td>
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<tr>
<td>Replace existing Lighting</td>
<td>Stuttgart</td>
<td>78781</td>
<td>ECIP</td>
<td>2013</td>
<td>$1M - $5M</td>
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<tr>
<td>Vogelweh ES</td>
<td>Ramstein</td>
<td>EU00034</td>
<td>DoDDS</td>
<td>2013</td>
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<tr>
<td>Commissary</td>
<td>Spangdahlem</td>
<td>EU04MP02</td>
<td>DeCA-SFO</td>
<td>2013</td>
<td>$25M - $50M</td>
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<tr>
<td>Replacement Hospital</td>
<td>Kaiserslautern - Weilerbach</td>
<td>72661</td>
<td>DoDM</td>
<td>2013</td>
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<tr>
<td>Install Solar PV Array</td>
<td>Belgium</td>
<td>78801</td>
<td>ECIP</td>
<td>2013</td>
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<tr>
<td>PAA Phase 2 Incr #1</td>
<td>Romania</td>
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<td>MDA</td>
<td>2013</td>
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</tbody>
</table>
## Major Programs – FY14

<table>
<thead>
<tr>
<th>Project</th>
<th>Location</th>
<th>PN</th>
<th>Funds</th>
<th>PY</th>
<th>Magnitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hainerberg ES</td>
<td>Wiesbaden</td>
<td>EU00049</td>
<td>DODDS</td>
<td>2014</td>
<td>Over $50M</td>
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<tr>
<td>Wiesbaden MS</td>
<td>Wiesbaden</td>
<td>EU00072</td>
<td>DODDS</td>
<td>2014</td>
<td>Over $50M</td>
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<tr>
<td>Family Housing Townhouses</td>
<td>Vilseck</td>
<td>78712</td>
<td>AFHLI</td>
<td>2014</td>
<td>$10M - $25M</td>
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<tr>
<td>Ramstein HS</td>
<td>Ramstein</td>
<td>EU00037</td>
<td>DODDS</td>
<td>2014</td>
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<tr>
<td>Kaiserslautern ES</td>
<td>Kaiserslautern</td>
<td>EU00040</td>
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<td>2014</td>
<td>Over $50M</td>
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<tr>
<td>KMCMC Increment #3</td>
<td>Ramstein</td>
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<td>DODM</td>
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</tr>
<tr>
<td>SHAPE International School</td>
<td>SHAPE, Belgium</td>
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<td>FMS-SFO</td>
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<tr>
<td>PAA Phase 2 Incr #2</td>
<td>Romania</td>
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<td>MDA</td>
<td>2013</td>
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</table>
Key Programs

1. EUCOM and AFRICOM Support
2. Missile Defense Agency Support
3. Rhine Ordnance Barracks Medical Center Replacement (ROBMCR)
4. Department of Defense Dependent Schools
5. Israel FMS
6. Installation Support
7. Environmental Support
IIS Support to EUCOM
(not including Israel FMS)

Ongoing Construction Value - $10.8M    FY13 Target Award Value - $6.8M

Examples

Foreign Military Sales (FMS)
  Cincu Combat Training Center, Romania

Humanitarian Assistance (HA)
  Fire and Rescue Stations, Ambulance Dispatch and Support Centers, Telemedicine Facilities, Health Clinics, Schools, Pedestrian Bridge located in Albania, Armenia, Croatia, Estonia, Georgia, Kosovo, Latvia, Lithuania and Serbia (21 active projects)

Counter Narcotics and Terrorism (CNT)
  Joint Drug Task Force Renovation, Bulgaria

Export Control and Related Border Security (EXBS)
  Dept of State Program - Dredge Poti Harbor, Georgia Supsa Fusion Center (Radar Station), Georgia

Special Operations – Europe (SOCEUR)
  Joint Ops Center and Combat Diver Facility, Lithuania
  Dragisa Hospital Ribbon-Cutting, Serbia
Examples
Foreign Military Sales (FMS)
  Range Arms/Ammo Storage, Liberia
  Bundase PKO Camp, Ghana
  Boathouse, Kenya
  Warehouse, Djibouti

Humanitarian Assistance (HA)
  Health Clinics, Schools, Orphanages, Community Centers located in Benin, Ghana, Togo and Tunisia

Counter Narcotics and Terrorism (CNT)
  Boathouses in Liberia and Togo

US Army Africa (USARAF)
  Multi-Purpose Building, Botswana

Special Operations Africa (SOCAFRICA)
  Range and Shoot-house, Senegal
  Contingency Support Sites, Various Locations

Africa Contingency Operations Training (ACOTA)
  Dept of State Program – Dodji PKO Camp, Senegal

Millennium Challenge Corporation (MCC)
  Water and Sanitation Projects, Zambia and Ghana

Support to Environmental Security Program
  Environmental Seminars, Cote d’Ivoire and Cameroon
Missile Defense Agency Support

European Phased Adaptive Approach (EPAA) for Ballistic Missile Defense

Protecting Europe and the US from missile attack

- **Phase 1** – Deployment of SM-3 Block IA interceptors on Aegis ships in the Mediterranean Sea (Aegis Afloat) and a European Forward Based Radar (EFBR) *(Presidential Mandate of 31 Dec 2011)* - ACHIEVED

- **Phase 2** – Deployment of land-based SM-3 Block IB interceptors in Romania as Aegis Ashore *(Presidential Mandate of CY2015)*

- **Phase 3** – Deployment of a second land-based site in Poland as Aegis Ashore *(by 2018)*

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**Phase 4 was cancelled on 15 Mar 2013. Phase 4 involved an upgrade to the SM-3 Missile – no impact to NAU**
Rhine Ordnance Barracks Medical Center Replacement
Scope and Project Execution Roles

- **Scope**: 985,417 gross square feet; 9 Operating Rooms; 68 Beds; 120 Exam Rooms
- **Program Amount**: $987.514M incrementally funded FY13- FY17
- **Configuration**:
  - Medical Center: Hospital and Clinics, Medical Warehouse, Administrative Facility, Ambulance Garage
  - Infrastructure: Utilities, Central Utility Plant, Structured Parking, Access Control Point, Bridge and Road Improvements, Site Improvements
  - Environmental Mitigation activities: Tree-Cutting and Species Relocation
- **Execution Roles**:
  - Environmental Survey (German-led)
  - Supporting Studies, including topographic, geotechnical, utilities feasibility, traffic (German-led)
  - Environmental Compensation Measures (German-led)
  - Infrastructure Design (German-led)
  - Medical Center Design (US-led through 20%)
  - Medical Center Design (German-led from 20-100%)
  - Construction (German-led)
Site Overview

- Access Control Point
- Environmentally Sensitive Areas
- Rhine Ordnance Barracks
- Existing Ramstein ACP at Kissling Drive
- Medical Center Campus
- Existing Rhine Ordnance Barracks ACP
- Ramstein Air Base
Design & Construction Status

MEDICAL CENTER (US Led up to 20%):

- The final 20% US-led design was provided on 2 August 2013
- Design turn-over to the German government begins late-September 2013
- The follow-on German design A/E will be selected in the February 2014 timeframe

INFRASTRUCTURE (German Led):

- 35% design under review

CONSTRUCTION (German Led):

- Estimated start for site preparation activities and utilities MAR 2014
- Estimated construction turn-over SEP 2021
- Estimated Full Operating Capacity of Facility MAR 2022
## Stakeholders

<table>
<thead>
<tr>
<th>U.S.</th>
<th>Host Nation</th>
</tr>
</thead>
<tbody>
<tr>
<td>OASD-HA-PPMD: Office of the Assistant Secretary of Defense for Health Affairs – Portfolio Programming and Management Division</td>
<td>FMOC: Federal Ministry of Construction</td>
</tr>
<tr>
<td>USAREUR: US Army Europe</td>
<td>BImA: Federal Agency for Real Estate Matters</td>
</tr>
<tr>
<td>USACE: US Army Corps of Engineers</td>
<td>LBB: German Local Construction Agency</td>
</tr>
<tr>
<td>IMCOM-E: Installation Management Command Europe</td>
<td>Government of Rheinland-Pfalz</td>
</tr>
<tr>
<td>ERMC: Europe Regional Medical Command</td>
<td>► SGD Süd: State Agency for Structure and Approval/Environmental Permitting</td>
</tr>
<tr>
<td>LRMC: Landstuhl Regional Medical Center</td>
<td>► LBM</td>
</tr>
<tr>
<td>21st TSC: 21st Theater Sustainment Command</td>
<td>Local Mayors</td>
</tr>
<tr>
<td>HFPA: Health Facilities Planning Agency (Army)</td>
<td>County Commissioner</td>
</tr>
<tr>
<td>AFHFD: US Air Force Health Facility Division</td>
<td>Other Federal, State, and Local Agencies</td>
</tr>
<tr>
<td>USAG-KL: US Army Garrison Kaiserslautern</td>
<td></td>
</tr>
<tr>
<td>86th AW: 86th Airlift Wing</td>
<td></td>
</tr>
<tr>
<td>86th MG: 86th Medical Group (Air Force Clinic)</td>
<td></td>
</tr>
<tr>
<td>USFLO: US Forces Liaison Office</td>
<td></td>
</tr>
</tbody>
</table>
## USACE Europe District DoDDS Program

### Total Program Amount $1B (FY10-14)
- 11 New Elementary Schools
- 6 New Middle Schools
- 7 New High Schools

*Enhancing the educational environment for over 14,000 students across Germany and Belgium*

### FY10

<table>
<thead>
<tr>
<th>School</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kaiserslautern HS</td>
<td>Vogelweh, Germany</td>
</tr>
<tr>
<td>Boeblingen ES</td>
<td>Panzer Training Area</td>
</tr>
</tbody>
</table>

### FY11

<table>
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<tr>
<th>School</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>Boeblingen HS</td>
<td>Panzer Training Area</td>
</tr>
<tr>
<td>SHAPE MS/HS</td>
<td>Mons, Belgium</td>
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### FY12

<table>
<thead>
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<th>School</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>Netzaberg MS Addition</td>
<td>Netzaberg, Grafewoher, Germany</td>
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<tr>
<td>Bitburg ES</td>
<td>Spangdahlem AB, Germany</td>
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<tr>
<td>Bitburg MS/HS</td>
<td>Spangdahlem AB, Germany</td>
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<tr>
<td>Ansbach MS/HS</td>
<td>Katterbach, Germany</td>
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### FY13

<table>
<thead>
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<th>School</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vogelweh ES</td>
<td>Vogelweh Housing Area, Germany</td>
</tr>
<tr>
<td>Wiesbaden HS</td>
<td>Hainerberg, Wiesbaden, Germany</td>
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</table>

### FY14

<table>
<thead>
<tr>
<th>School</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hainerberg ES</td>
<td>Hainerberg, Wiesbaden, Germany</td>
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<tr>
<td>Ramstein HS</td>
<td>Ramstein AB, Germany</td>
</tr>
<tr>
<td>Wiesbaden MS</td>
<td>Hainerberg, Wiesbaden, Germany</td>
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<tr>
<td>Kaiserslutern ES</td>
<td>Vogelweh, Germany</td>
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### FY15

<table>
<thead>
<tr>
<th>School</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brussels ES/HS</td>
<td>Daumerie CAS, Belgium</td>
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<tr>
<td>Robinson Barracks ES/MS</td>
<td>Robinson Barracks</td>
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<tr>
<td>Grafenwoehr ES</td>
<td>East Camp, Grafenwoehr,</td>
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<td>Garmisch ES</td>
<td>Garmisch, Germany</td>
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<tr>
<td>Patch ES</td>
<td>Patch Barracks, Germany</td>
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<tr>
<td>Baumholder MS/HS</td>
<td>Smith Area, Baumholder,</td>
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<tr>
<td>Itzelsheim ES</td>
<td>Storck Barracks, Germany</td>
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### FY16

<table>
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<th>Location</th>
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<tbody>
<tr>
<td>Sembach ES/MS</td>
<td>Sembach, Germany</td>
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<tr>
<td>Kaisersluten MS</td>
<td>Vogelweh, Germany</td>
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<tr>
<td>Landstuhl ES/MS</td>
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<tr>
<td>Ankara ES/HS</td>
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### FY17

<table>
<thead>
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<th>Location</th>
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</thead>
<tbody>
<tr>
<td>Hohenfels ES</td>
<td>Hohenfels, Germany</td>
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<tr>
<td>Bavaria DSO</td>
<td>Urlas Training Area, Ansbach, Germany</td>
</tr>
<tr>
<td>Ramstein MS</td>
<td>Ramstein AB, Germany</td>
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<tr>
<td>Ramstein ES, KG Addition</td>
<td>Ramstein AB, Germany</td>
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### FY18

<table>
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<th>School</th>
<th>Location</th>
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<tbody>
<tr>
<td>Aukamm ES</td>
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<td>Hohenfels ES &amp; Gym</td>
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<tr>
<td>Rainbow ES</td>
<td>Urlas Area, Ansbach, Germany</td>
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<td>Ramstein IS</td>
<td>Ramstein AB, Germany</td>
</tr>
<tr>
<td>Incirlik ES/HS</td>
<td>Incirlik, Turkey</td>
</tr>
</tbody>
</table>

*Concept for new SHAPE High School*
Israel FMS Program

- Camp David Accords (1979-1983): $1.05B
  - 2 Air Force Bases constructed to facilitate return of the Sinai to Egypt

  - 3 Army Bases constructed to replace bases that were in the West Bank

- Ongoing Construction: $80M

- FY13 Awards: $100M+
Installation Support Program

• Simplified acquisition of construction services through JOC and MATOC
• Full design for small projects
• Force protection construction contracting
• Security needs analysis
• Life cycle project management
• End of fiscal year support

Serving 14 Garrisons and over 10 other component service/agency customers throughout the Europe District AOR Annual O&M Funding ~ $80-100M
Environmental Program

Annual Environmental funding ~ $30-35M
- US Army Garrisons - 14
- IMCOM-E – Region HQ
- Air Force – Aviano, Ramstein, & Spangdahlem AFBs
- DLA-Energy – theatre wide
- ITAM Program – theatre wide
- Missile Defense Agency
- U.S. Army Claims Program

Provide environmental support to all European Army Garrisons, Air Force in Germany and Italy, AFRICOM, contingency operations worldwide, via in-house management and technical support, AE, and Service contracts

Environmental Program Support Includes
- POL Inspection, Maintenance, and Repair
- Integrated Natural Resource Management Plans (INRMP)
- Environmental Status Reports (ESRs)
- Environmental Remediation and Environmental Compliance
- Environmental Reviews (ER)
- UXO Surveys & De-Duding
- Environmental Baseline Surveys (EBS)
Europe and Africa Unique Operating Conditions

- **Germany**
  - ABG75 Agreement and Implementing Instructions
  - Work through ‘Bauamts’ (state construction agents)
  - Contracts with Unit Pricing
  - Estimated Basis Contracting
  - Limited Design-build ability
  - NAU initiatives to modify and influence change

- **Belgium**
  - Current agreements interpreted differently by U.S. and Belgium
  - Every new project requires a separate project execution procedure
  - Additional Host Nation coordination and processing fee

- **Italy**
  - Construction and repair projects require Mixed Commission notification or approval
  - Additional contract certifications are required by Italian law (S.O.A)
  - Contractors must pass Anti-Mafia screening

- **Turkey**
  - Projects, material list, and building permit must be approved by Turkish government
  - Turkish material and construction firms must be used for all construction (adds time and cost)
  - Quality of construction is a challenge for QA oversight
  - Low cost of Turkish labor limits our S&A income

- **Romania, Bulgaria, Poland**
  - SOFA Supplemental
  - Defense Cooperation Agreements
  - Implementing Arrangements

- **Africa**
  - Austere Environment
  - Defense Cooperation Agreements
  - Construction Quality and Safety is a Challenge
  - Tyranny of Distance

- **Support to 2 COCOMs**
- **800 projects in 35 countries**
- **80% of projects in Germany “indirect”**
- **Rotational workforce (5 Year Rule)**
- **Large installation support program**
Acquisition Methodology

- Direct Contracting (IAW FAR, DFARS, AFARS, etc.)
  - Construction
    - Multiple Award Task Order Contracts (MATOC)
    - Design Build / Design-Bid-Build
    - Job Order Contracts (JOC)
    - Indefinite Delivery Indefinite Quantity (IDIQ)
  - Architect-Engineer (A-E) Services
    - Master Planning
    - Design
    - Environmental
    - Title II Services (Quality Assurance QA)
  - Services
    - Total Maintenance Contract (TMC)

- Indirect Contracting (IAW ABG75 Agreement/Implementing Instructions)
  - Must work through local ‘Bauamts’ (regional construction agents)
  - Award to Host Nation (German Gov’t – Bauamt)
Technical Expertise

- Full spectrum of technical capability
  - Indirect or direct design
  - Design-bid-build (full design) or design-build acquisition
  - Technical review, facility assessment
  - Planning/Design charrette leadership and technical support
- Cost estimation preparation/review & value engineering.
- ABA expertise, assessment and review.
- Fire Protection expertise and criteria review.
- Force Protection assessment and criteria review.
- Sustainable design assessment and review.
- A- E Contract development, award and Task Order support
USACE Initiatives

- Sustainable Design – U.S. vs. Host Nation Regulations
  - EPAct 05 vs. EnEV 09
  - LEED vs. DGNB

- Sustainability & Energy Conservation
  - Net Zero Installations

- Energy Savings Performance Contracts (ESPC)

- Senior Level Customer After Action Reviews

- German Partnering Working Groups
  - Fire Protection
  - Project Close Out
  - Construction Scheduling

- LEED – Leadership in Energy and Environmental Design
- EnEV – German Energy Conservation Regulations for Buildings
- DGNB – German Sustainable Building Council