



An Overview of US Government Remote Construction Programs

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Agenda

- My Experiences with Remote Construction
- Summary of Programs
- Execution Methods
- Risks & Challenges
- Successful Projects





Overseas Construction Programs

- Overseas Humanitarian, Disaster, and Civic Aid Appropriation (OHDACA)
 - Schools, clinics, roads, wells
- 1206/2282 Global Train and Equip
 - Airport/seaport security upgrades
- Global Peacekeeping Operations Initiative (GPOI)
 - Barracks, galleys, classrooms, etc
- Joint Personnel Accounting Command (JPAC)
 - Services/construction to bring back POWs
- Counter Terrorism Partnership Fund (CTPF)
 - UAV runways, hangars
- Armed Forces Research Institute of Medical Sciences (AFRIMS)
 - Medical research buildings, labs
- Exercise Related Construction (ERC)
 - Barracks, firing ranges, shoot houses, ammo storage, etc



Road Construction
Philippines

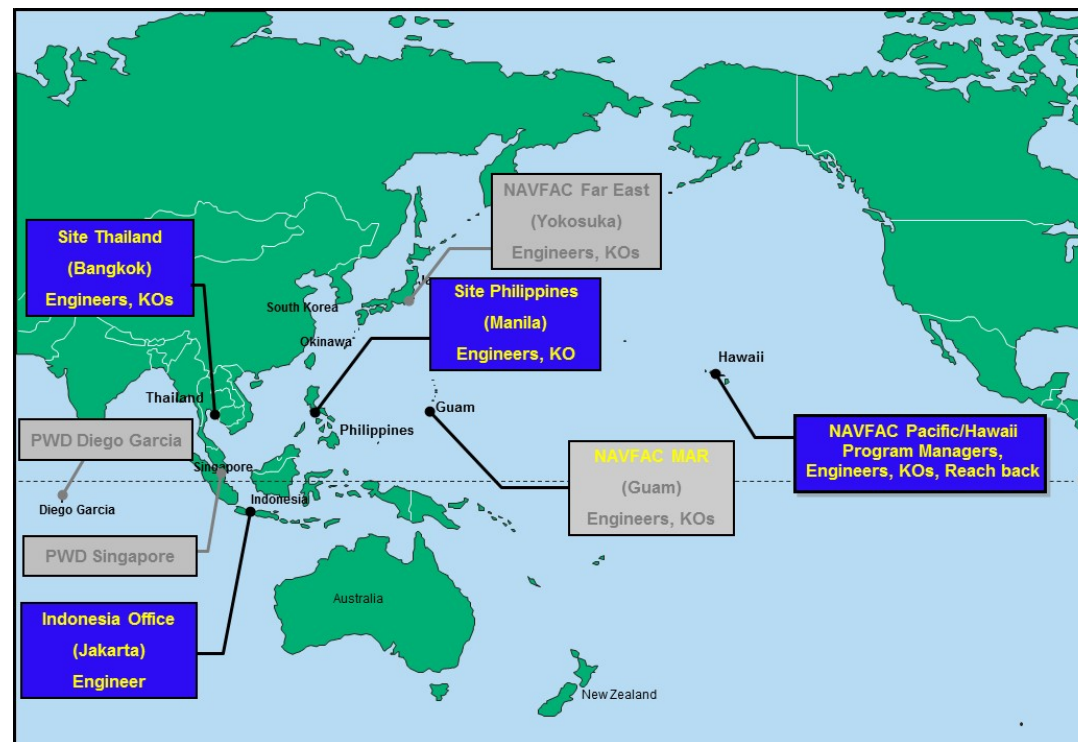
Lots of Other Programs Outside DoD!





Execution Methods

- NAVFAC
 - Hiring local contractors, stand alone contracts
 - Program Management at regional HQ level
 - Project Engineers / QA / COR / KO at local level – with local staff
 - Significant cost savings
 - Contractors responsible for QC





Execution Methods

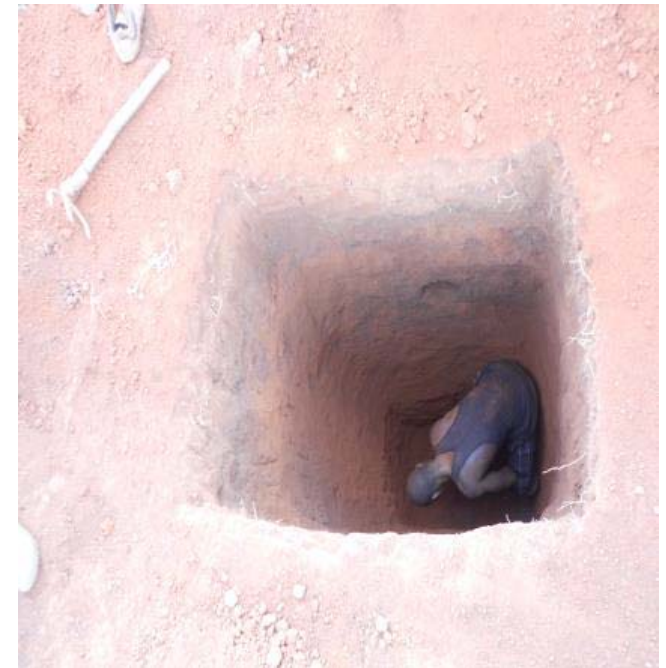
- USACE
 - Multiple Award Contracts with Regional or International Firms
 - All functions (PM, PE, QA, COR, KO) at District level
 - Third party QA oversight, typically regional firm





Risks and Challenges

- Safety
 - Local culture – not accustomed to safety oversight
 - Local construction methods – limited equipment
 - Not on a military base
 - Contractors not familiar with DoD requirements





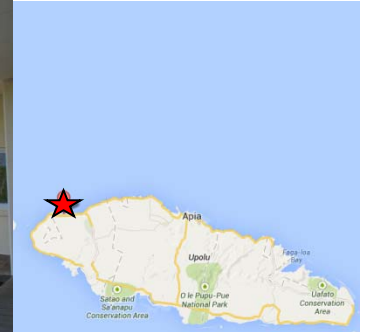
Lessons Learned

- Extensive training is beneficial
 - Modified EM-385
 - Gov't personnel – 40 hour class, monthly/annual training
 - Training provided to contractors
 - Pre-construction meeting
 - Weekly jobsite training
- Documentation is critical
 - Contract submittals: safety plan, AHA, APP
 - Safety checklists
 - Daily/weekly progress reports
- Proactive communication is required
 - Hire a local engineer!
 - Site visits
 - QA reports





Faleolo Clinic, Samoa



Completed October 12, 2013 for \$1.144M





Psar Traj School, Cambodia

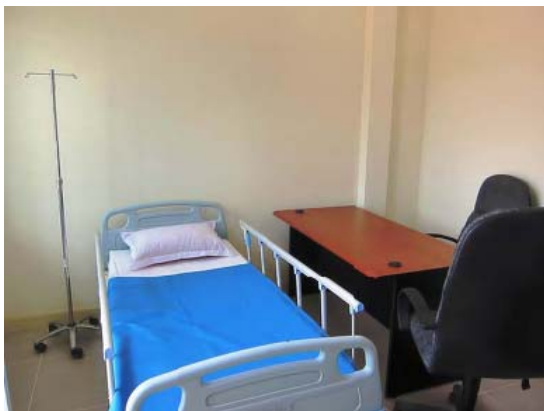


Completed July 24, 2012 for \$198k





Phoum Toul Clinic, Cambodia

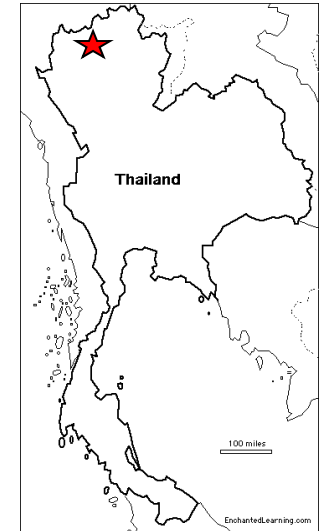


Completed June 19, 2014 for \$200k





Santiwana Clinic, Thailand



Completed July 13, 2014 for \$408k





HNGV Clinic, Timor Leste



Completed June 6, 2014 for \$374k





Philippines Roads



← **Before**

After →



Bullangtin Road



Bagsak Road



Kuhau Road



Bon Bon Road





NAVFAC Projects - PACOM



Remote Construction Projects





JIATF-West
Boat House, Ramp, Maintenance Shed, Barracks, Airport Surveillance Facility, Fingerprint Data Center, Police Checkpoints, Floating Piers



GPOI
Barracks, Training Camps.



PACOM HA
Schools, Clinics, Roads, Wells, Disaster Shelters



PACOM ERC
Barracks, Firing Ranges, Shoot Houses, C-130 Parking Apron, Sniper/Rappel Towers, Ammo Storage Sites, Hangar Renovations



Other Construction (AFRIMS, JPAC, ATA, NFELC)
Laboratory Renovations, Insectary Building, Veterinarian Medicine Building, Training Camp, Force Protection Barriers, Vehicle Leasing/Purchasing

JSOTF-P
Team Houses, SEAL Nipa Huts, Boat Ramp, Maintenance Shed, Wave Screen, Pier Repair, Aircraft Parking Apron, Warehouse, Barracks, JOC, ECP.



3 NAVFAC Pacific





USACE Projects - PACOM

Bangladesh MPCS/Schools



FY09 – Smaller MPCSSs



FY10 – Larger MPCSSs





USACE Projects - PACOM

Vietnam Schools





USACE Projects - AFRICOM



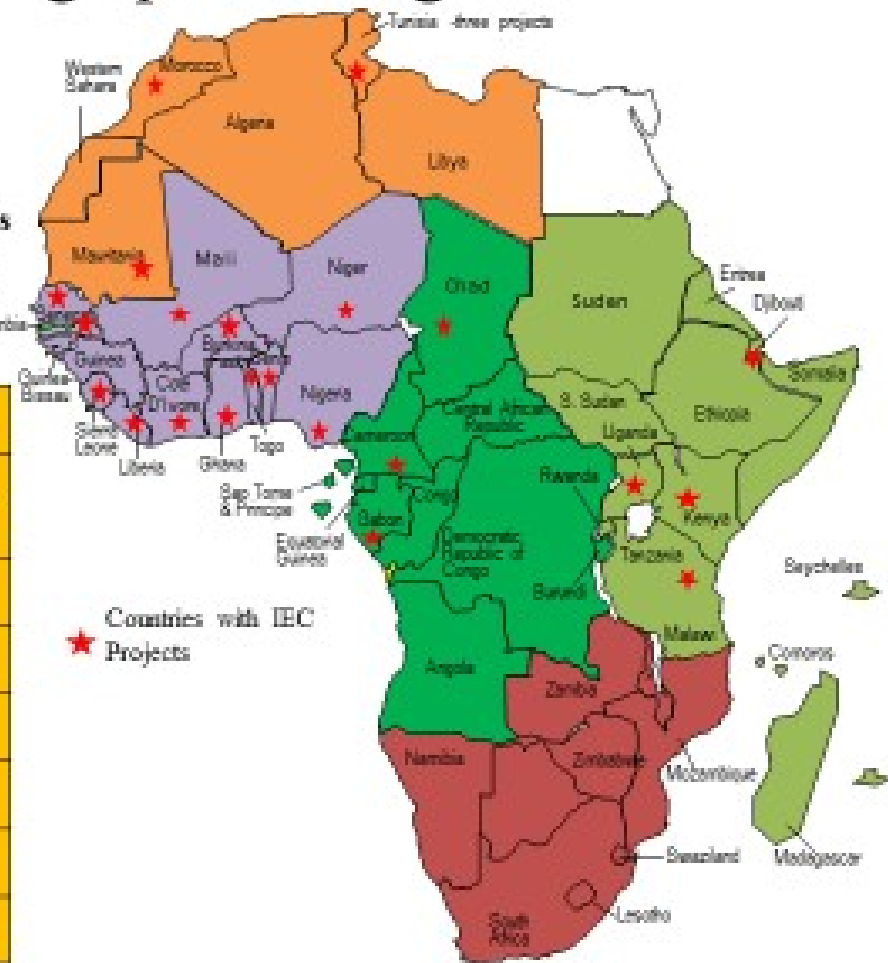
US Army Corps
of Engineers
Europe District

AFRICOM AOR Geographical Regions

USACE/IEC Projects By Geographical Regions

As of 10 Feb 2016

FY2016 # OF PROJECTS					
REGIONS	TOTAL	PRE-AWARD	CONST	BOD	
1 Eastern	10	2	8	0	
2 Western	50	31	18	1	
3 Central	7	6	1	0	
4 Northern	5	1	4	0	
5 Southern	0	0	0	0	
TOTAL	72	40	31	1	



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Discussion

