

# AMMO-FM

Asset Management, Maintenance, and Operations Toolkit  
Facility Management Module

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# AGENDA

- Why FUS?
- Army Real Property Update Process
- The Team
- Lessons Learned / Challenges
- Task Order Details
- Deliverables
- What is AMMO?
- Solution Framework
- AMMO Demonstration
- The Way Ahead



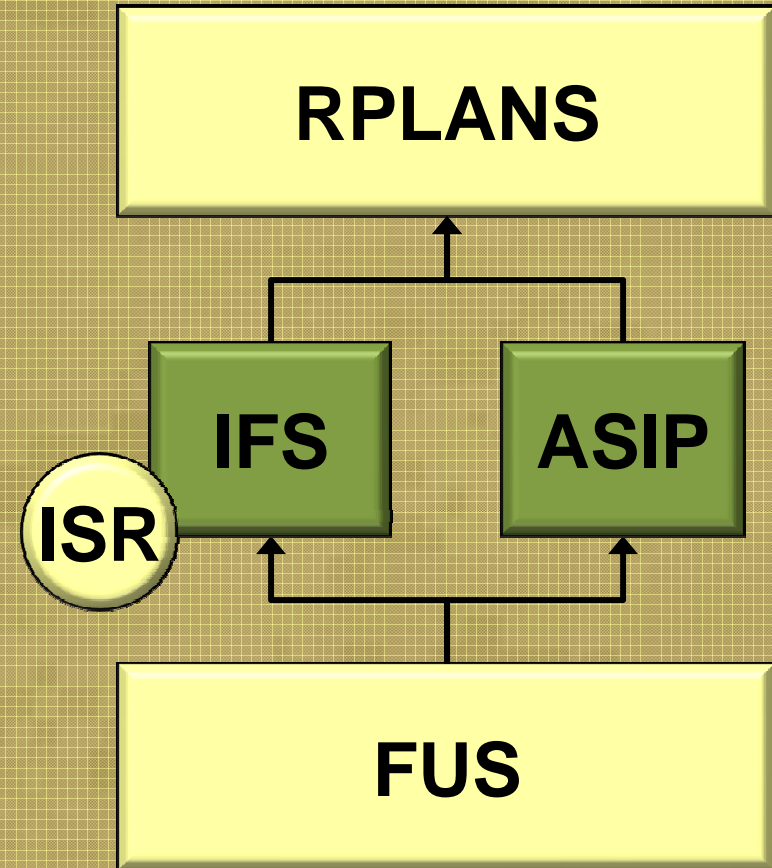
# WHY FUS?

- Why are installations doing FUS?
  - Operations & Maintenance (O&M) Funding for Buildings / Facilities tied to utilization & capacity
  - Losing out on Building Operational Need
  - Losing out on Mission Capability
- Spatial Data
  - Measured in field and calculated in GIS (more accurate)
- Requirement to update Real Property Records
  - Integrated Facility System (IFS)
- **Losing out on Millions of O&M \$\$ per year!!**



# ARMY REAL PROPERTY UPDATE PROCESS

- FUS activities generate current facility data
- FUS updates incorporated into IFS & ASIP
- RPLANS Updated
- RPLANS determines funding
  - Operations & Maintenance (O&M) Dollars
  - Construction Dollars



# THE TEAM

- U.S. Corps of Engineers, Fort Worth District
- Installations
  - Fort Polk Army Base (DPW)
  - Fort Bliss Army Base (DPW & Environmental)
  - White Sands Missile Range (DPW & Environmental)
- Contract Support
  - Project Manager
  - Site Manager (1 per installation)
  - Field Survey Crews  
(26 total personnel)



# LESSONS LEARNED / CHALLENGES

- Insufficient internal (organic) USACE staff
- Field Survey attributes must be tied to required reports
- Timely field data entry schedule
  - Minimal time between collection and entry
  - 2 times per week



# TASK ORDER DETAILS

- Facility Utilization Surveys
  - 4 Phases (2 Phases at 2 Installations, plus Ft. Polk)
    - Over 1500 Facilities
      - Administrative, Operations, Storage, Research & Development
    - 7.1 Million Sq Ft of Real Property Inspected
  - Scope of Work
    - Field Survey (measure, validate, and correct floor plans)
    - Hard copy reference document
    - Validate Floor Plans (field survey)
    - Analysis (ASIP, IFS)

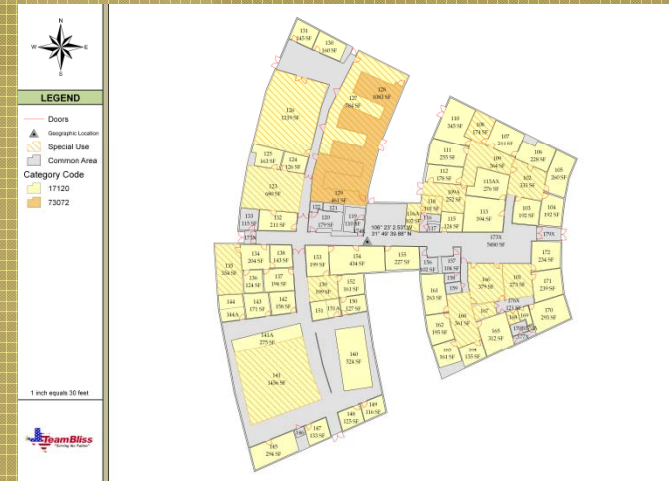
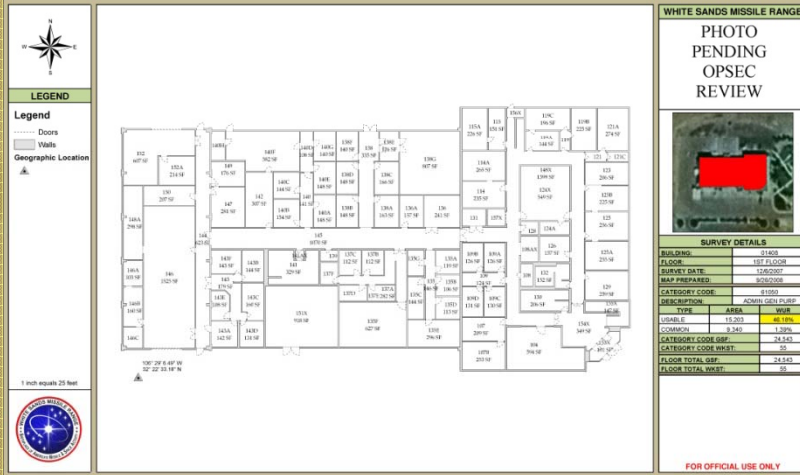






# FINAL DOCUMENTS

- Revised Floor Plans



- Room Lists

FACILITY #: 00126

ROOM LIST

FLOOR: 1ST FLOOR

ROOM ID	SURVEY DATE	CATCODE	ROOM DESCRIPTION	COMMENTS	UIC CODE	UIC EXT. CODE	UIC DESCRIPTION	ROOM CATEGORY	WK SPACE TOTAL	WK SPACE IN USE	GSF	NSF	WK SPACE CAP.	STORAGE TYPE	STORAGE LOCATION	HEIGHT	STORAGE USED (%)	ACF	TCF	ROOM CONDITION
100	1/28/2008	61050	RENOVATIONS		W6CJAA	80	PUBLIC WORKS OFFICE	USABLE	0	0	245	245	1.588			0	---	---	---	UNUSABLE
100AX	1/28/2008	61050	OTHER USE - Yes - SEE COMMEN	CLOSET	W6CJAA	80	PUBLIC WORKS OFFICE	SPECIAL	0	0	14	14	0.11			0	---	---	---	FAIR
101	1/28/2008	61050	RENOVATIONS		W6CJAA	80	PUBLIC WORKS OFFICE	USABLE	0	0	166	166	1.28			0	---	---	---	UNUSABLE
101AX	1/28/2008	61050	OTHER USE - Yes - SEE COMMEN	CLOSET	W6CJAA	80	PUBLIC WORKS OFFICE	SPECIAL	0	0	14	14	0.11			0	---	---	---	FAIR
102	1/28/2008	61050	RENOVATIONS		W6CJAA	80	PUBLIC WORKS OFFICE	USABLE	0	0	168	168	1.29			0	---	---	---	UNUSABLE
103	1/28/2008	61050	RENOVATIONS		W6CJAA	80	PUBLIC WORKS OFFICE	USABLE	0	0	169	169	1.30			0	---	---	---	UNUSABLE
104	1/28/2008	61050	RENOVATIONS		W6CJAA	80	PUBLIC WORKS OFFICE	USABLE	0	0	166	166	1.28			0	---	---	---	UNUSABLE
105	1/28/2008	61050	RENOVATIONS		W6CJAA	80	PUBLIC WORKS OFFICE	USABLE	0	0	169	169	1.30			0	---	---	---	UNUSABLE
106	1/28/2008	61050	RENOVATIONS		W6CJAA	80	PUBLIC WORKS OFFICE	USABLE	0	0	167	167	1.28			0	---	---	---	UNUSABLE
107	1/28/2008	61050	RENOVATIONS		W6CJAA	80	PUBLIC WORKS OFFICE	USABLE	0	0	192	192	1.48			0	---	---	---	UNUSABLE
108A	1/28/2008	61050	RENOVATIONS		W6CJAA	80	PUBLIC WORKS OFFICE	USABLE	0	0	167	167	1.28			0	---	---	---	UNUSABLE
108B	1/28/2008	61050	RENOVATIONS		W6CJAA	80	PUBLIC WORKS OFFICE	USABLE	0	0	151	151	1.16			0	---	---	---	UNUSABLE
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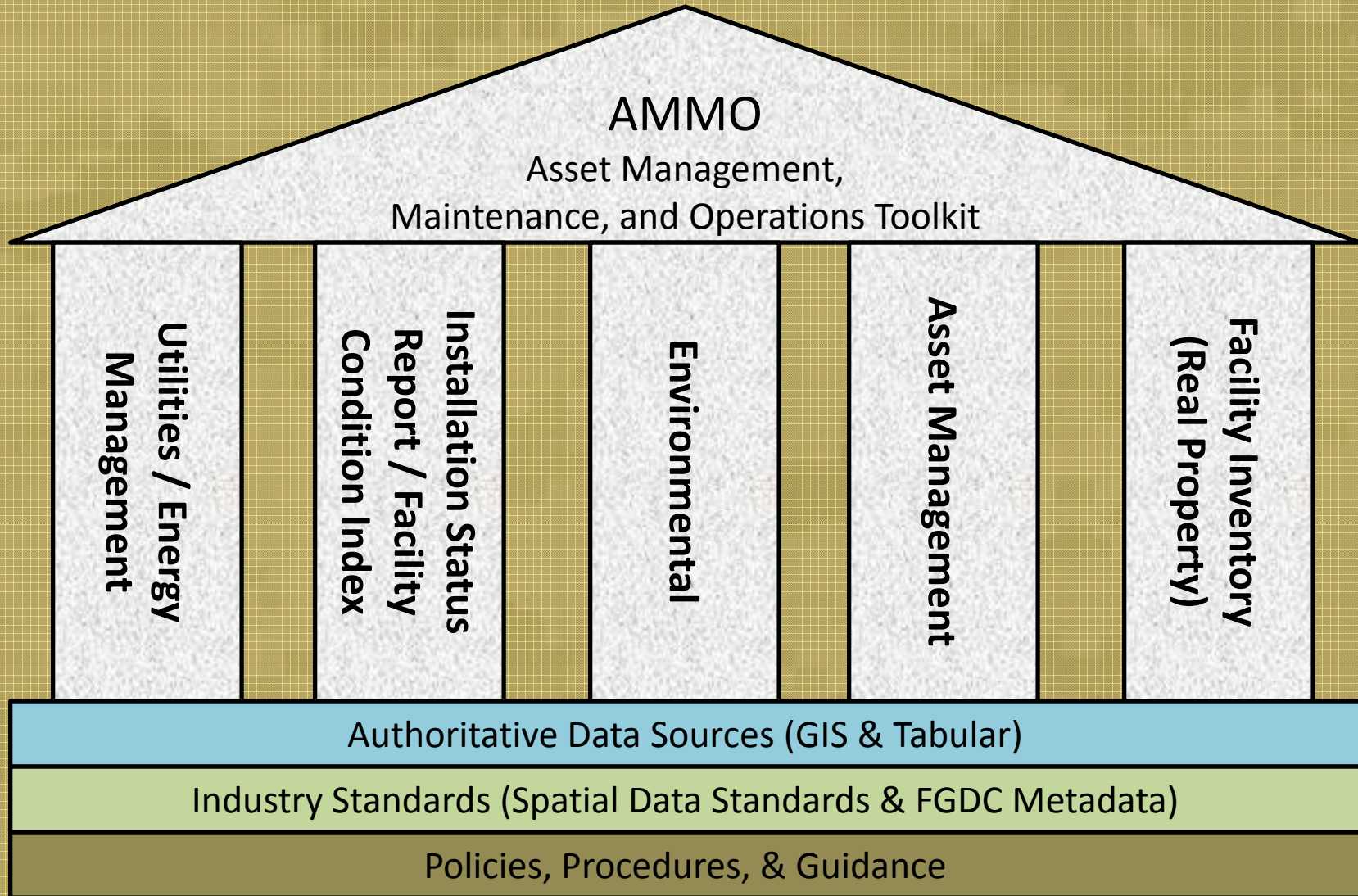


# WHAT IS AMMO?

- Application Development Approach
  - Object Oriented Development
  - Asset Management Framework
- Standards-based (SDSFIE, FGDC, etc.)
- Multiple security roles
  - “Editors”
  - CAD/GIS Personnel
- Facility Management Module (FM)
  - Focused on facility inventory, utilization statistics, and space management



# SOLUTION FRAMEWORK



# AMMO DEMONSTRATION



# THE WAY AHEAD

- Business Process Improvement
  - Policies & Procedures
  - Organization Responsibilities / Stewardship
  - Sustainment
- Technology
  - GPS Handheld (Elaborate; external reference point, internal attributes)
  - Digital Measurement Tool (Laser Range Finder)
    - Measurements direct to DB
  - Digital Pen Integration (Capturx)
- Establish DB-to-DB linkage with legacy authoritative data sources
  - IFS
  - ASIP
  - RPLANS (Real Property Planning and Analysis System)
  - Air Force ACES (Real Property & Project Management)



THANK YOU

