



# MMHS for USAF Logistics Facilities



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## Mechanized Materials Handling Systems (MMHS) for USAF Logistics Facilities



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# MMHS Mission

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**Plan and execute the Mechanized Materials Handling System (MMHS) program as the Air Force Program Management Office for MMHS and Storage Aids Systems (SAS).**

**Provide materials handling engineering services to Air Force logistics functions worldwide to deliver more efficient and more effective storage and movement of Air Force assets.**

**Authorization:**

**AFI 23-101, *Air Force Materiel Management*, Chapter 7, Section 7B**

**AFMAN 23-122, *Materiel Management Procedures*, Chapter 7, Section 7B**



# What We Do

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## Initiate

Perform site evaluations

Analyze material flow

Develop preliminary equipment layouts

Request concept papers

Collect inventory data

Take measurements

Validate all project needs

Prepare cost estimates

## Budget

Planning

Assist in developing MAJCOM requirements

Assist MAJCOM priorities

Develop P-series documents

Assist MAJCOM POMING process

Maintain project database

Develop costs and benefits

Manage program execution

## Design

Analyze data

Develop alternative layouts

Prepare engineering drawings

Develop detailed specifications

Develop training and test plans

Work with user to select the layout and equipment

Develop data requirement lists

Coordinate with fire, safety, bio, plans, CE, and user

## Acquire

Technical review of proposals

Technical representative at contract related meetings

Specification and drawing revisions

Acquisition by certified personnel

Liaison between contracting and supplier

Handle claims and protests

Utilizes requirements contracts

## Test

Perform all quality conformance testing and inspections

Generate all test reports and discrepancy lists

Final acceptance authority

Inspect for fire, safety, and environmental compliance

Keep data base of past supplier deficiencies

## Follow-up

Maintain standard specifications data base

Assist user with spare parts and warranty info

Track system benefits

Assist user with maintenance info

Decommission or reutilize equipment

Replace worn equipment



# What We Do - Maintenance Hangars



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## **Types of MMHS Include (AFI 23-101)**

- Consolidated Tool Kits (CTKs)
- Cranes Systems (bridge, gantry, etc.)
- Mezzanines
- Pallet Racking
- Vertical Carousels
- Modular Cabinets
- Mobile or Narrow Isle Systems





# What We Do - Supply Warehouses



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# What We Do - Aircraft Parts Stores



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# What We Do - Mobility Bag Storage



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# What We Do - Other Warehouses



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# What We Do - Wing Tank Storage



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# What We Do - Air Freight Terminals



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# What We Do - Air Cargo Systems



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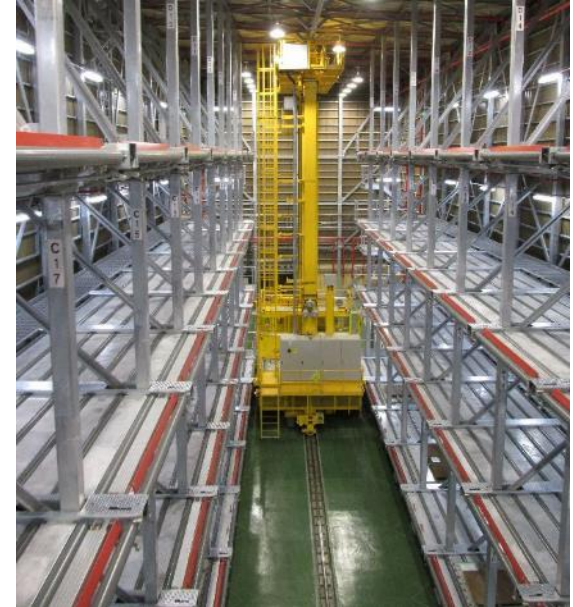
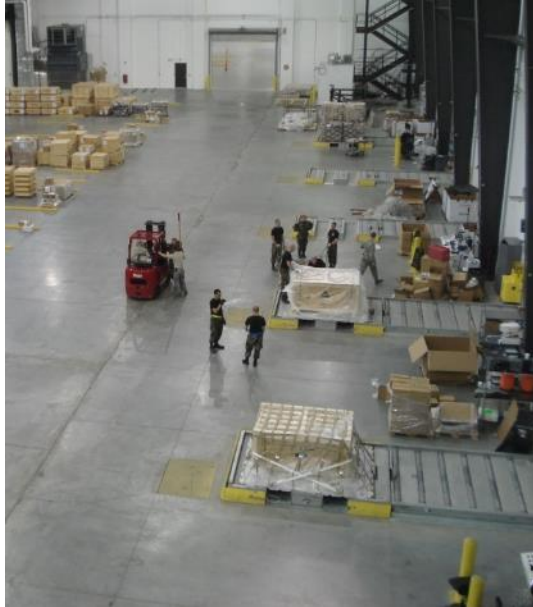




# What We Do - Air Cargo Systems



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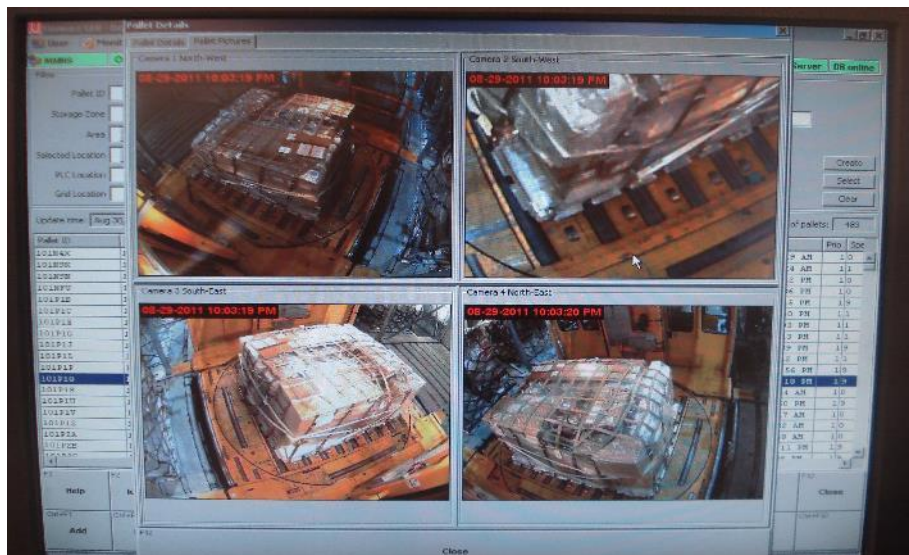
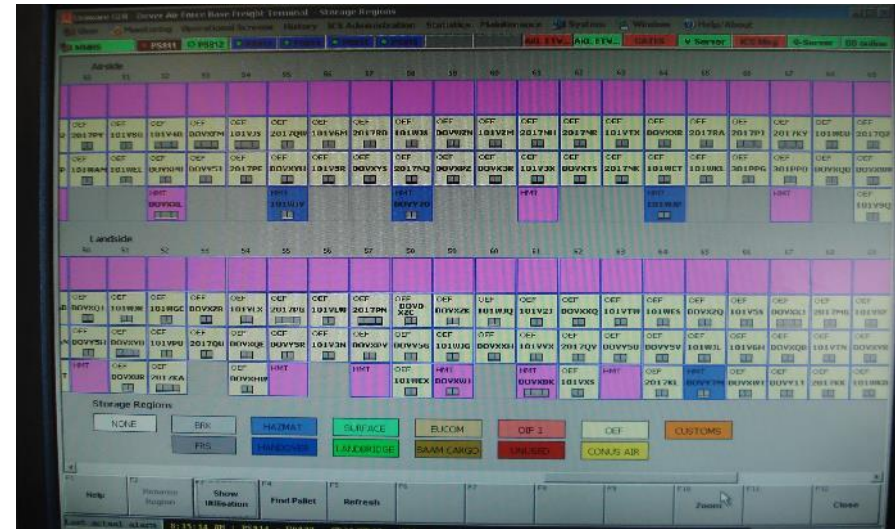




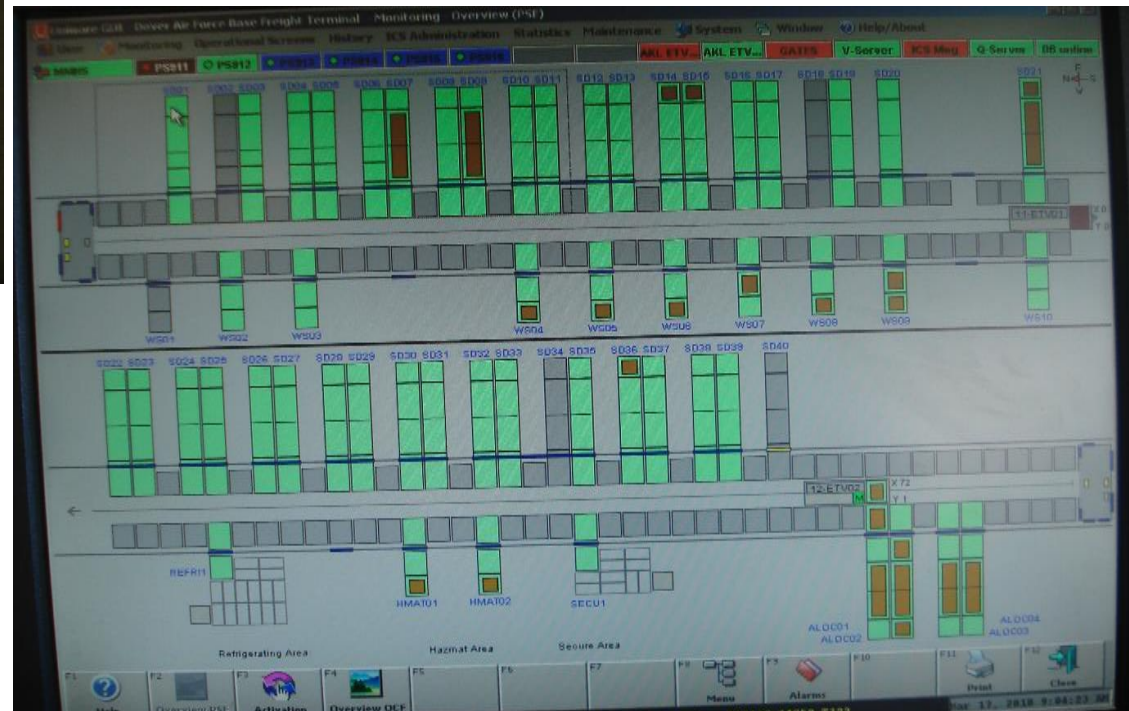
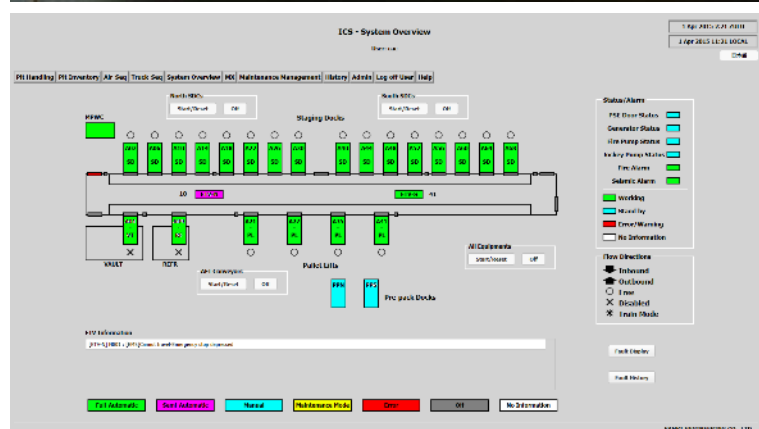
# What We Do – Air Cargo ICS

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- Provides automatic ETV operation, real-time inventory, and photos and 3D scans for load planning



- Real-time maintenance monitoring and logging
- All equipment has detail screens to speed repair







# Benefits



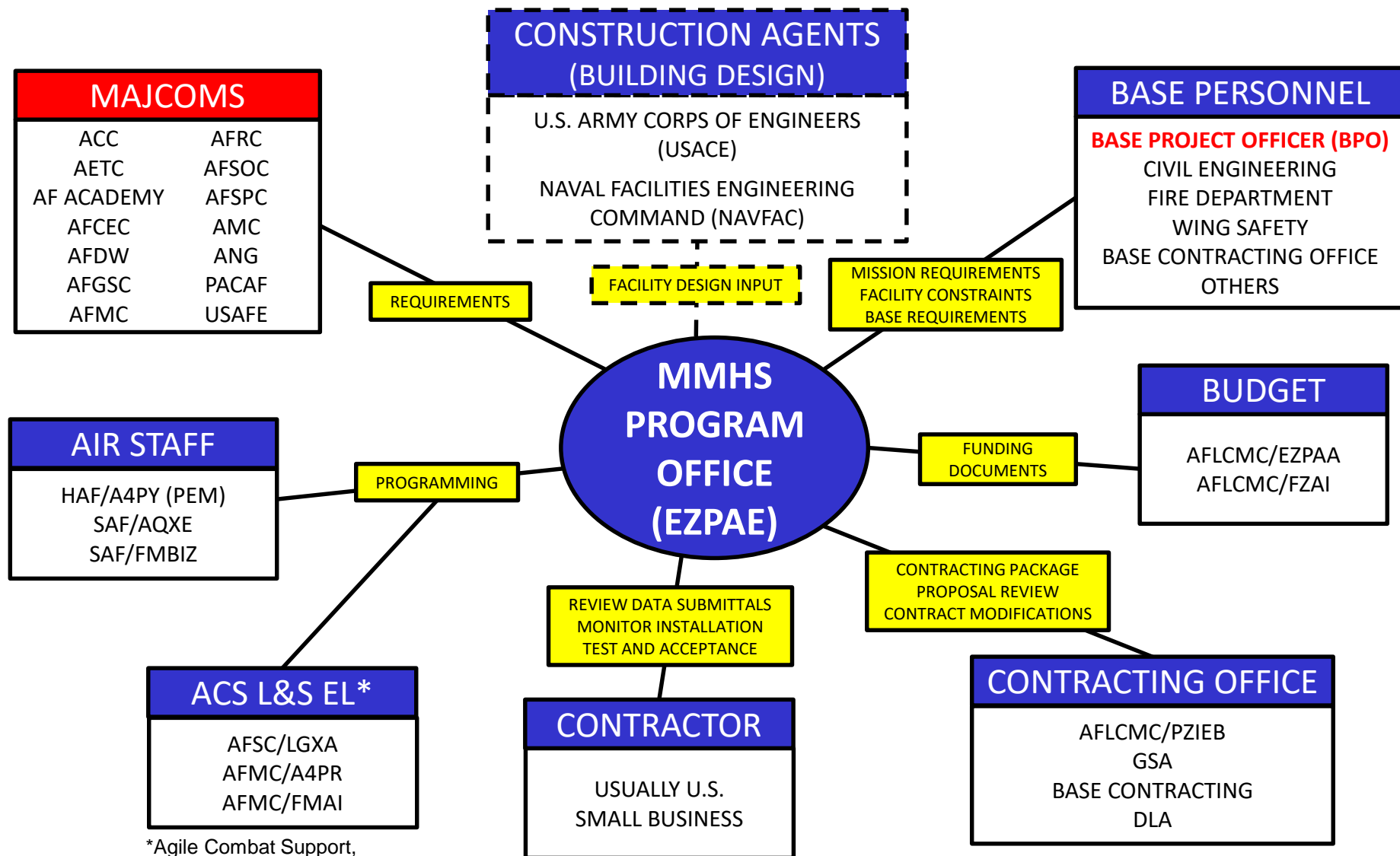
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- **MMHS benefits**
  - **Modernize & equip both new & existing facilities**
  - **Reduce facility footprint**
  - **Consolidation of warehouses**
  - **Increase flow of materials and efficiency**
  - **Improve safety and customer service**
  - **Reduce operating costs and material damage**
    - **Smaller facilities = lower construction, operation, and maintenance costs**
    - **Operate with fewer personnel due to consolidation and efficiencies**
    - **Less handling results in less material damage**
    - **Better inventory control**



# Customers

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\*Agile Combat Support,  
Logistics & Sustainment Enterprise Lead





# Questions?

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