Mechanized Materials Handling Systems (MMHS) for USAF Logistics Facilities

Presented by:
Brad Thompson, Engineer
AFLCMC/EZPAE
DSN 986-1299
bradley.thompson.13@us.af.mil

Larry Nugent, Chief
AFLCMC/EZPAE
DSN 986-1821
larry.nugent@us.af.mil

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MMHS Mission

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:
## What We Do

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<table>
<thead>
<tr>
<th>Initiate</th>
<th>Budget</th>
<th>Design</th>
<th>Acquire</th>
<th>Test</th>
<th>Follow-up</th>
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</thead>
<tbody>
<tr>
<td>Perform site evaluations</td>
<td>Planning</td>
<td>Analyze data</td>
<td>Technical review of proposals</td>
<td>Perform all quality conformance</td>
<td>Maintain standard specifications data</td>
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<tr>
<td>Analyze material flow</td>
<td>Assist in developing MAJCOM</td>
<td>Develop alternative layouts</td>
<td>Technical representative at contract related</td>
<td>testing and inspections</td>
<td>base</td>
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<td></td>
<td>requirements</td>
<td></td>
<td>meetings</td>
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<td>Develop preliminary equipment layouts</td>
<td>Assist MAJCOM priorities</td>
<td>Prepare engineering drawings</td>
<td>Specification and drawing revisions</td>
<td>Generate all test reports and discrepancy lists</td>
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<td></td>
<td>Develop P-series documents</td>
<td>Develop detailed specifications</td>
<td>Acquisition by certified personnel</td>
<td>Final acceptance authority</td>
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<td>Request concept papers</td>
<td>Assist MAJCOM POMING process</td>
<td>Develop training and test plans</td>
<td>Liaison between contracting and supplier</td>
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<td>Collect inventory data</td>
<td>Maintain project database</td>
<td>Work with user to select the layout</td>
<td>Inspect for fire, safety, and environmental compliance</td>
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<td></td>
<td></td>
<td>and equipment</td>
<td>Keep data base of past supplier deficiencies</td>
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<td>Take measurements</td>
<td></td>
<td>Develop data requirement lists</td>
<td>Handle claims and protests</td>
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<td>Validate all project needs</td>
<td>Manage program execution</td>
<td>Coordinate with fire, safety, bio, plans, CE, and user</td>
<td>Utilizes requirements contracts</td>
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<td>Prepare cost estimates</td>
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</tbody>
</table>

- **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

Types of MMHS Include (AFI 23-101)
- Consolidated Took Kits (CTKs)
- Cranes Systems (bridge, gantry, etc.)
- Mezzanines
- Pallet Racking
- Vertical Carousels
- Modular Cabinets
- Mobile or Narrow Isle Systems
What We Do - Supply Warehouses
What We Do - Aircraft Parts Stores
What We Do - Mobility Bag Storage
What We Do - Other Warehouses
What We Do - Wing Tank Storage
What We Do - Air Freight Terminals
What We Do - Air Cargo Systems
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
What We Do - Maintenance Monitoring System

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

• 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
Questions?

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