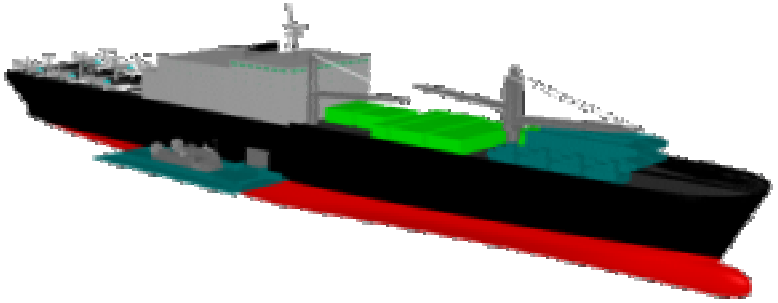

MPF(F) Information Brief
to
HiCASS

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Logistics Over The Shore: The Way We Do It Now

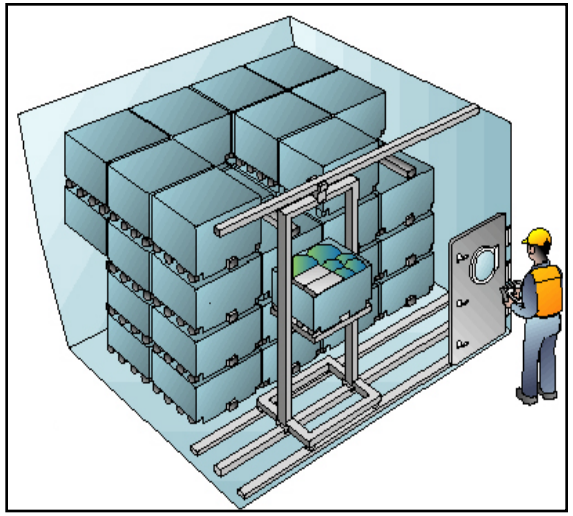
MPF(F) Specific Transformational Characteristics

- External surface craft interface
- Reconfigurable Spaces
- Resupply using commercial container ships.
- Provides selective offload of mission-tailored packages.
- Permits troops and equipment to be married at sea.
- Enables unlimited sustainment of Marine Corps operations ashore.
- Greatly enhances reconstitution & redeployment operations.
- Provides platform with the potential for meeting multiple mission requirements

Performs Operations Over the Horizon in Open Ocean

Some Capabilities Needed

Strike Up/Down



Automated Warehousing

At-sea Arrival & Assembly

Motion Mitigating Cranes

Small Craft Interface

Underway Replenishment

Possible Design Features

- Aviation facilities
  - Flight deck
  - Hangar
  - Dedicated maintenance space
- Vehicle facilities
  - RO/RO stowage
  - Maintenance
  - Assembly area
  - ILP
- Cargo
  - Pallet stowage
  - TEU stowage
  - Breakout assembly areas
  - Transfer deck
- Cargo handling
  - Cranes (heavy lift)
  - RAS (heavy lift UNREP)
  - VERTREP
  - Elevators
  - Bridge cranes
  - Fork trucks
- Habitability
  - MSC, NSE, MEB
- Reconfigurable at sea

Program Approach to Technology Development

- Leverage existing commercial technologies for application to MPF(F).
- Mine existing Navy, Marine Corps and other Services' technology investments for application to MPF(F).
- Coordinate with ONR Ex LOG FNC
- Reduce risk by performing land-based and at-sea demonstrations of applied technologies.

Technology Programs - Notional Timeline