The Flexible Missile Platform (FMP) is a missile, mission, and platform agnostic system. FMP allows users to fire the missile(s) of their choice from the vehicle (or trailer) of their choice. FMP is a combination of Moog’s high-performance weapon stores management technology and world-renowned expertise in military motion control, fire control, and stabilisation. Missiles previously only launchable from helicopters may now be fired from ground vehicles with missile combinations able to suit any mission need from any platform.

**PLATFORM FEATURES**
- Hinged reloading mechanism for safe and rapid missile replenishment
- Customer designates missile type and quantity
- Rapid “concept to production” lead time
- Suitable for land vehicles, trailers and surface ships

**PLATFORM OPTIONS**
- Stabilisation system for shoot on the move capability
- Multi-channel rotary joint for high speed data transfer
- Low inertia mechanical structures
- Covers for ingress protection
- Mast and sighting systems
- Vehicle display and control interfaces
WEAPON STORES MANAGEMENT SYSTEM (SMS)

At its heart, FMP incorporates Moog’s proven Weapon Stores Management System (SMS). The system allows users to benefit from short lead times, rapid integration and ease of future upgrades due to the flexible, modular design of the Weapon SMS.

The Third Generation Weapon SMS is a modular COTS weapons control system that seamlessly integrates with vehicle sensors and mission management systems to provide the crew with a superior fire-control solution.

This lightweight rugged system is an affordable solution to stores management on air, land and sea platforms. The SMS leverages Moog’s extensive experience in systems integration, internal software development, weapons technology, and fire control solutions. This design ensures FMP’s value for future mission requirements and the selection of differing weapons.

WEAPON SMS LIVE FIRE DEMONSTRATIONS

Live fire ground pedestal launch system tested by U.S. Army on a Desert Test Range with an ambient temperature of 121˚F.

Test Details and Outcome:
• Launched three (3) AGM-114 Missiles
• Launched three (3) Laser Guided Rocket (LGR) variants
• 100% Success

Live fire vehicle turret launch system tested by the U.S. Army on Eglin Air Force Base Test Range.

Test Details and Outcome:
• Launched two (2) AGM-114 Missiles (LOAL) with Ground Laser Target Designator (GLTD)
• Launched two (2) Hydra 70 LGR variants (LOBL)
• 100% Success
FLEXIBLE MISSILE PLATFORM

SAMPLE SPECIFICATIONS*

<table>
<thead>
<tr>
<th>Specification Requirement</th>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight (without missile launchers)</td>
<td>~ 350 Kg</td>
</tr>
<tr>
<td>Power Supply</td>
<td>28 Vdc Per MIL-STD-1275D</td>
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<tr>
<td>Traverse Range</td>
<td>360° continuous rotation (with optional slip ring)</td>
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<tr>
<td>Typical Elevation Range</td>
<td>-10° to + 30°</td>
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<tr>
<td>Speed Traverse</td>
<td>1 rad/sec</td>
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<tr>
<td>Acceleration Traverse</td>
<td>1.7 rad/sec²</td>
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<tr>
<td>Speed Elevation</td>
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<tr>
<td>Acceleration Elevation</td>
<td>3 rad/sec²</td>
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</tbody>
</table>

*For specifications on a particular configuration, please call.

DIMENSIONS (MM)

Flexible Missile Platform
Optically-Guided / Heat-Seeking Missiles
c-UAS / Anti-Tank Missile
Precision-Guided Munitions