

||| Symétrie

Your hexapod solution



BEYOND LIMITS. DESIGNED FOR PERFORMANCE.

6-DOF HEXAPODS FOR DEFENSE APPLICATIONS



Symetrie 6-DOF hexapods are engineered for defence-grade motion control, reproducing real operational dynamics with the precision, repeatability and reliability that mission-critical applications demand, from laboratory qualification to active field deployment.

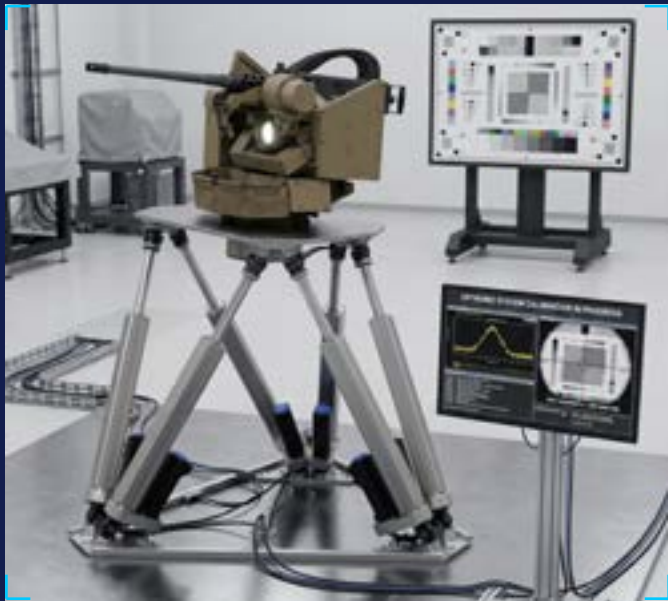
IMU-DRIVEN
REAL TRAJECTORY REPRODUCTION

SCALABLE PAYLOAD
FROM PORTABLE TO HEAVY-LOAD CONFIGURATIONS

MOTION COMPENSATION
DESIGNED FOR OPERATIONAL ENVIRONMENTS

HIGH DYNAMICS
HIGH ACCELERATION & VELOCITY PERFORMANCE

01 — SYSTEM QUALIFICATION & TESTING



Symetrie hexapods generate controlled dynamic environments for the qualification of optronic turrets, stabilized payloads and launcher systems. They deliver the repeatability and motion fidelity required for MIL-grade performance verification.

- Verify stabilization accuracy under dynamic operating conditions
- Simulate complex motion profiles
- Reproduce real mission scenarios for system-level qualification

► MISTRAL HEXAPOD



02 — SCENARIO TRAINING



Symetrie hexapods create controlled, repeatable motion environments for operational training on stabilized optronic and mission-critical systems. Crews train under realistic dynamic conditions, without the constraints of field deployment.

- Reproduce realistic platform motion for crew and system readiness
- Programmable mission scenarios with repeatable execution

► SIROCCO HEXAPOD



03 — ACTIVE STABILIZATION



**This hexapod is fitted with a tarpaulin for use in a marine environment.*

Deployed on ships, vehicles, Symetrie hexapods provide real-time motion compensation using high-precision IMU feedback. They maintain a stable reference frame under operational dynamics, enabling drone landing, sensor alignment, and mission-critical equipment protection.

- Multi-axis stabilization with configurable coordinate system
- Stable surface maintenance under sea state and vehicle dynamics
- Direct application: takeoff & landing platform for drone

► NOTUS HEXAPOD



04 — MOTION SIMULATION



Our hexapods accurately reproduce dynamic motion environments : land, naval and airborne with real IMU data, real time control or configurable profiles. Driven by field-recorded trajectories, they replicate velocity, acceleration, and 6-DOF motion with high fidelity for payload validation and onboard equipment assessment.

- Replay real vehicle motion across 6-DOF
- High-fidelity reproduction across the full workspace
- High-fidelity reproduction, import of field data, and programmable trajectory sequencing

► HEGOA HEXAPOD



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