

# MOOG DEFENSE

EQUIPPING THOSE WHO DEFEND FREEDOM  
ACROSS MULTI-DOMAIN OPERATIONS



## LAUNCH VEHICLES

- Power & Control Electronics
- Thrust Vector Control Systems
- Chemical & Cold Gas Engine Systems
- Main Engine Fluid Controls
- Secondary Payload Adaptors & Delivery Systems
- Vehicle SoftRide® Isolation

## SPACECRAFT & PAYLOAD DELIVERY SYSTEMS

- Propulsion Systems
- Integrated Flight Avionics
- Structures & Isolation Solutions
- On-board Mechanisms & Control Electronics
- Spacecraft Bus Solutions



## ROTARY WING

- Weapon Stores Management Systems (SMS)
- Missile Launchers & Simulators
- Flight Control Systems
- Vibration Control
- Slip Rings
- Cockpit Avionics Solutions

## FIXED WING

- Weapon SMS
- Flight Control Systems
- Motion Control for ISR Search Radar
- Stabilized Motion Control for Turrets
- Engine Control Systems
- Media Converters/Ethernet Switches
- Missile Launchers & Simulators
- Cockpit Avionics Solutions

## MISSILES & KILL VEHICLES

- Thrust Vector Control
- Fin Control
- Wing Deploy
- Integrated Propulsion Systems & Fluid Control
- Seeker Motors
- Avionics & Sensor Integration
- Structures & Isolation Solutions
- Control Electronics

## UAS

- Flight Control Systems
- Weapon SMS
- Missile Launchers & Simulators
- Actuators
- Vehicle Management Systems

## RADAR

- Radar Multi-Axis Positioning Systems
- Cooling Equipment Units
- Slip Rings
- Digital Airfield Solutions
- Runway FOD Detection

## COMBAT & TACTICAL VEHICLES

- Reconfigurable Integrated-weapons Platform
- Turret Weapon Systems & Integration
- Stabilized Motion Control
- Fire Control
- Ammunition Handling

- Large Caliber Weapon Control Systems
- Modular Countermeasure Directors
- Multi-Mission Payload Systems
- Short Range Air Defense
- C-UAS Solutions

## LAUNCHERS

- EH to EM Conversions & Upgrades
- High Voltage Elevation & Azimuth Control
- Directed Energy
- Weapon SMS
- Slip Rings

## SUBMARINES

- Valve Actuation
- Hull Mechanical Actuation
- Servovalves
- Torpedo Steering
- Periscope Actuation
- Optronics Rotary Joints

## SURFACE VESSELS

- EM Actuation
- Weapon SMS
- Stabilized Motion Control for Turrets
- Gun Control Units
- Active Stabilization
- Ammunition Handling

## AUV / UUV

- Propulsion Systems
- Steering & Dive Control Systems
- Subsea Utility Motors

## SUSTAINMENT SERVICES

- OEM Product Support
- Modernization & Upgrades
- Service & Support
- Training
- Engineered Solutions



CAPABILITIES

MULTI-DOMAIN SUSTAINMENT SERVICES

EXPERIENCE

SPACE	ROTARY WING	FIXED WING	MISSILES & KILL VEHICLES	UAS	RADAR	COMBAT & TACTICAL VEHICLES	LAUNCHERS	SUBMARINES	SURFACE VESSELS	AUV / UUV
LEO/MEO/GEO & Beyond DOD Commercial Civil	Black Hawk V-22 Seahawk S-92   S-76 AW129   AW159 FLRAA MD 530F Bell 407 AH-64E Apache AH-530	F-15, F-16, F-18, F-35 AC-130J Ghost Rider Caravan Eurofighter AT-802/OA-1K MC-145B Scorpion Bronco II PrecISR KF-21 Boramae T-50 Golden Eagle	Tactical & Strike Systems Hypersonic Missile Systems Long Range Ballistic Missiles Air & Missile Defense	Predator Gray Eagle MQ-25	G/ATOR AN/TPY2 Sentinel AN/TPQ-53 MEADS Aegis TRML-4D	M-SHORAD LAV-AT/25 Stryker CV90 PZH 2000 Bradley MLIDS Abrams M113A54 RCH 155 CWS-Heavy Ariete C2 Centaurus II Jaguar Piranha V CASEAR 155 K9 Thunder SPH K9 Vajra Howitzer K21 IFV K2 Black Panther	MML HIMARS MLRS	Seawolf Class Virginia Class Ohio Class Columbia Class Collins Class Scorpene Class Dreadnought Class Barracuda Class Mark 48 Torpedo Mk54 Torpedo	Ford-class Aircraft Carrier Littoral Combat Ship Frigate Types 45/23/122-125 K30 Nimitz Class Carriers Chevallier CT40 c-UAS Evolved Cape Class Patrol Boat Hobart Class Destroyer	XLUUV UUV-FoS Echo Ranger Echo Voyager CLASSIFIED RMMV