

# MOOG DEFENSE

EQUIPPING THOSE WHO DEFEND FREEDOM  
ACROSS MULTI-DOMAIN OPERATIONS

CAPABILITIES

MULTI-DOMAIN SUSTAINMENT SERVICES



## 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



## 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
- Automatic Runway FOD Detection



## 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
- Hybrid Electric UAV



## RADAR

- Radar Multi-Axis Positioning Systems
- Cooling Equipment Units
- Slip Rings



## 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



## 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

## SUBMARINES

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

EXPERIENCE

### SPACE

- LEO/MEO/GEO & Beyond
- DOD
- Commercial
- Civil

### ROTARY WING

- Black Hawk
- V-22
- Seahawk
- S-92 | S-76
- AW129 | AW159
- V-280
- MD 530F
- Bell 407

### FIXED WING

- F-35
- AC-130J Ghost Rider
- Caravan
- Eurofighter
- AT-802
- OA-1K
- MC-145B
- Scorpion
- Bronco II
- PreclSR
- KF-21 Boramae
- T-50 Golden Eagle
- Digital Airfield Solutions

### MISSILES & KILL VEHICLES

- Tactical & Strike Systems
- Hypersonic Missile Systems
- Long Range Ballistic Missiles
- Air & Missile Defense

### UAS

- Predator
- Gray Eagle
- MQ-25

### RADAR

- G/ATOR
- AN/TPY2
- Sentinel
- AN/TPQ-53
- MEADS
- Aegis
- TRML-4D

### COMBAT & TACTICAL VEHICLES

- M-SHORAD
- LAV-AT/25
- Stryker
- CV90
- PZH 2000
- Bradley
- MLIDS
- Abrams
- M113AS4
- RCH 155
- CWS-Heavy
- Ariete C2
- Centauro II
- Jaguar
- Piranha V
- CASEAR 155
- K9 Thunder SPH
- K9 Vajra Howitzer
- K21 IFV
- K2 Black Panther

### LAUNCHERS

- MML
- HIMARS
- MLRS

### SUBMARINES

- Seawolf Class
- Virginia Class
- Ohio Class
- Columbia Class
- Collins Class
- Scorpene Class
- Dreadnought Class
- Barracuda Class
- Mark 48 Torpedo
- Mk54 Torpedo

### SURFACE VESSELS

- 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

### AUV / UUV

- XLUVV
- UUV-FoS
- Echo Ranger
- Echo Voyager
- CLASSIFIED
- RMMV