



# MISSION SYSTEMS INTEGRATION FACILITY

**Rapid Engineering of Critical  
C5ISR and Mission Solutions**

Booz Allen's Mission Systems Integration Facility (MSIF) rapidly meets the warfighter's dynamic needs with next-generation technology, fueled by Southern Maryland's innovation and ingenuity. It creates and fields capabilities at speed and scale, accelerating the transition of new technology into the field.

MSIF is a multi-configurable 20,000-square-foot facility located in California, Maryland, just minutes from Southern Maryland's Naval Air Station Patuxent River. It provides access to an ecosystem of resources to support the product development lifecycle to rapidly engineer, integrate, and test solutions with the synergy of emerging technology and manufacturing, closing critical mission capability gaps for the Department of Defense (DOD).

## **FACILITY AND LAB FEATURES**

MSIF provides integrated engineering capabilities for critical mission systems built on ISO9001 and AS9100 processes. It offers a high-bay integration garage, hardware and software labs, warehousing space, and anechoic chamber, together with rapid prototyping, immersive demonstration, and cable assembly labs networked across Booz Allen's engineering facility ecosystem.

## **OUR CAPABILITIES**

At Booz Allen, we engineer mission-critical solutions that are innovative, open, and secure. We remove costly proprietary barriers and offer the government full rein and flexibility to design, develop, upgrade, and sustain weapons systems organically—rapidly increasing lethality, readiness, and interoperability. Our capabilities include:

**Additive manufacturing** for unlimited design flexibility and rapid prototyping

**Advanced research and testing** of emerging technologies

**Cybersecurity engineering and assessment** providing integration, testing, and training services for platform security and cross domain solutions

**Mixed-use prototyping and development**, specializing in mission avionics, command and control (C2), multi-intelligence payload, and tactical communication systems for manned and unmanned platforms

**Modeling, simulation, and analysis** for research, design, and testing, including frequency response, redundancy management, and failure modes and effects

**Modern network infrastructure**, specializing in advanced wireless, virtual machine, and cloud solutions

**Radio frequency (RF) and signal engineering** providing full lifecycle support to land mobile, high frequency, aviation, and wireless link radios and satellites

**Specialized testing and evaluation** spanning RF/electromagnetic capability (EMC)/electromagnetic interference (EMI), vibration, and temperature

## 1 HIGH-BAY INTEGRATION GARAGE

16-foot-high bay with drive-in access providing rapid platform and payload integration onboard small and large manned and unmanned craft, commercial, and militarized vehicles

## 2 ANECHOIC CHAMBER

Acoustic and RF chamber to test EMC/EMI against regulatory standards concerning radiated and conducted RF emissions

## 3 ADVANCED PROTOTYPING AND SPECIALIZED TESTING LAB

Mixed configurable space supporting rapid prototyping and system testing (vibration table and temperature chamber)

## 4 IMMERSIVE/DEMONSTRATION/TRAINING LAB

Flex space for training, augmented and virtual reality testing, and demos

## 5 WAREHOUSING

Large storage area for shipping, receiving, and parts issuance

## 6 STAGE 2 LAB

Specialized lab space to verify operation of all equipment received

## 7 HARDWARE/SOFTWARE LABS

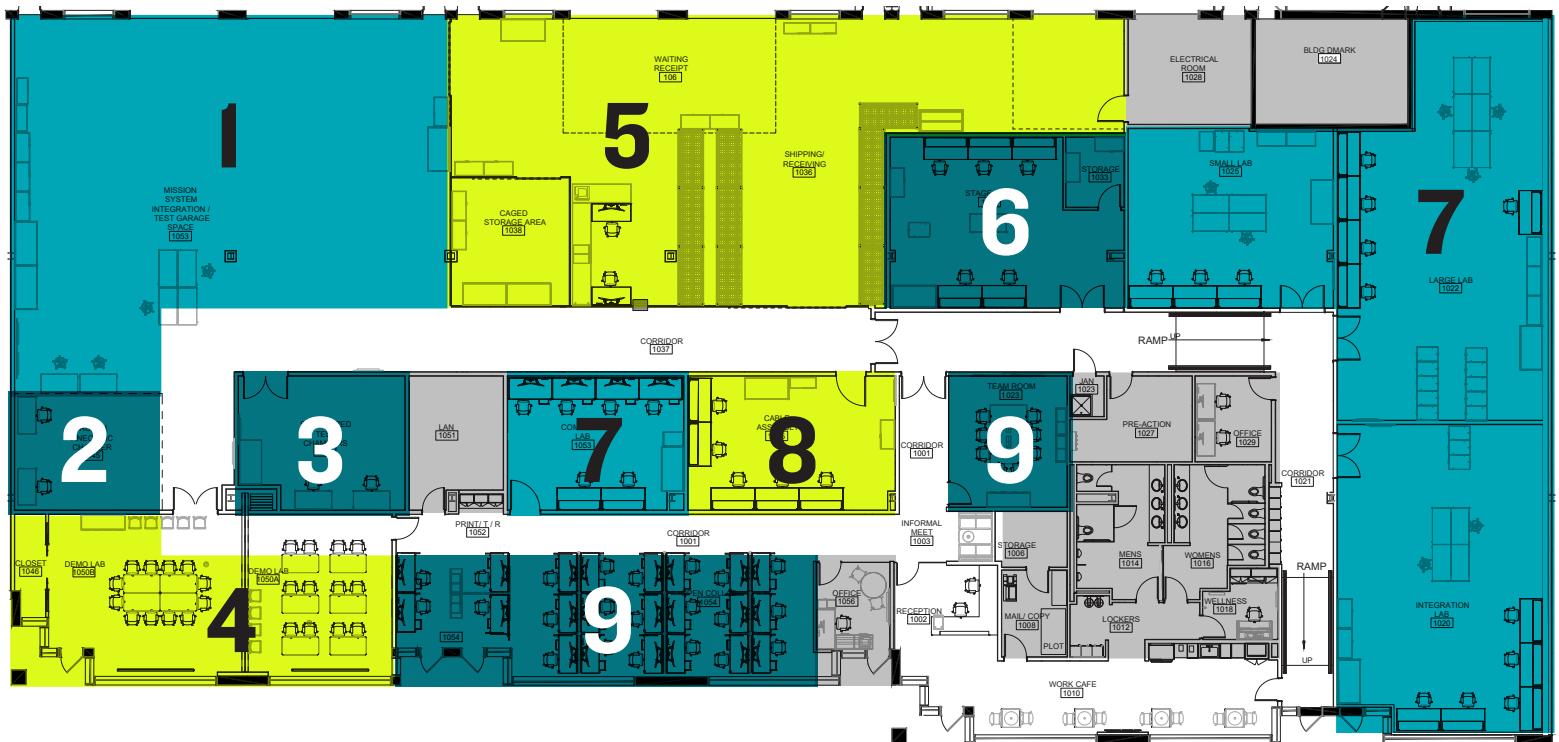
Raised-floor spaces for development and integration of software and small hardware

## 8 CABLE ASSEMBLY LAB

Rapid fabrication of prototype modules and system test cables

## 9 COLLABORATION WORKSPACES

Workstations and conference room for integrated project teams



## ABOUT BOOZ ALLEN

Trusted to transform missions with the power of tomorrow's technologies, Booz Allen Hamilton advances the nation's most critical civil, defense, and national security priorities. We lead, invest, and invent where it's needed most—at the forefront of complex missions, using innovation to define the future. We combine our in-depth expertise in AI and cybersecurity with leading-edge technology and engineering practices to deliver impactful solutions. Combining more than 100 years of strategic consulting expertise with the perspectives of diverse talent, we ensure results by integrating technology with an enduring focus on our clients. We're first to the future—moving missions forward to realize our purpose: **Empower People to Change the World®**.

## CONTACT US

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