



Missile Defense Futures Lab

MDFL

Huntsville, AL

FUTURE OF MISSILE DEFENSE

The Northrop Grumman Missile Defense Futures Lab (MDFL) in Huntsville, Alabama is defining possible by developing and deploying key technologies for defeating the emerging and evolving ballistic, hypersonic and cruise missile threat.

At the cutting edge of the defense industry's digital transformation, the MDFL employs comprehensive modeling, simulation, and visualization capabilities to foster innovation and collaboration between warfighters and developers. Through the MDFL, Northrop Grumman is pioneering change with speed and precision to develop, test and field an integrated Missile Defense System. The MDFL is a user-centered, digital-based collaboration space where experimentation and demonstration of missile defense capabilities can be done in a local standalone, or

distributed fashion across the country.

The MDFL is enabling innovation across the kill chain: left of launch; threat detection; tracking and discrimination; engagement coordination and fire control; intercept; and post-intercept assessment. Northrop Grumman's trusted modeling and simulation capabilities for threats, ISR, command and control, fire control, interceptor and intercept scene along with operationally realistic user interfaces are brought together at the MDFL to develop a robust and credible layered missile defense system.

With its flagship location at Huntsville, Alabama, the MDFL is comprised of distributed facilities at Boulder, Colorado; Chandler, Arizona; Colorado Springs, Colorado; McLean, Virginia; Morrisville, North Carolina; and Baltimore, Maryland, allowing for easy warfighter access to complete MDFL capabilities.

