



Innovate, demonstrate, test and deliver!

The U.S. Army Space and Missile Defense Command Technical Center provides science, technology, test and evaluation expertise to enable warfighter dominance today and in the future. The Technical Center is committed to building world class science and technologies, and test capabilities to enable the warfighter. The Technical Center is an integrated team demonstrating value to the warfighter by providing scientific/engineering expertise, space surveillance and test support to continuously transform space-enabled, missile defeat, and related technologies, resulting in capability overmatch.

The Research and Technology Directorate executes research of electromagnetic and photonic technologies for demonstrations, and transitions of critical capabilities ensuring overmatch in Space and High Altitude and Integrated Air and Missile Defense. The Research and Technology Directorate has two subordinate divisions; Space Integration and Interdiction and Directed Energy.

The Ronald Reagan Space and Missile Test Range is a Major Range and Test Facility Base, located on Kwajalein Atoll, Republic of the Marshall Islands. The Test Range also conducts space operations and space surveillance in support of U.S. Space Command.



- Research, development, test and evaluation within core competencies
- End-to-end test planning and support to Technical Center Department of War stakeholders
- Research and develop critical technologies for transition
- Manage and operate the Ronald Reagan Space and Missile Test Range
- Conduct space operations and space surveillance to support U.S. Space Command



DIRECTED ENERGY

The Technical Center serves as the Army's lead organization for the development of directed energy technologies, encompassing critical areas such as energy sources, beam control, and lethality. With the capability to conduct basic, applied, and advanced research, the Technical Center drives innovation by developing, demonstrating, and transitioning cutting-edge technologies to provide enhanced capabilities to the Warfighter. These directed energy technologies address multiple mission areas and are specifically designed to close existing operational capability gaps. As a low-cost and highly effective complement to traditional kinetic energy systems, directed energy offers powerful solutions to counter threats such as rockets, artillery, mortars, unmanned aerial systems, and cruise missiles, ensuring the Army remains equipped to meet evolving challenges on the battlefield.



and cybersecurity in support of the U.S. Army, Missile Defense Agency, the U.S. Air Force, the National Aeronautics and Space Administration and others. Additionally, the Test Range supports the command's space missions in support of both U.S. Strategic Command and U.S. Space Command.

SPACE INTEGRATION AND INTERDICTION

This Division develops, matures, and transitions capabilities for Space Integration, Space Interdiction, and High Altitude in support of Army and Joint Warfighter Multidomain Operations. Space is a critical enabler for multidomain operations, and the Technical Center is focused on technologies to interdict adversary access to space as well as ensuring the warfighter's ability to exploit the space domain for enhanced situational awareness, communications, navigation, and targeting.

RONALD REAGAN SPACE AND MISSILE TEST RANGE

The Ronald Reagan Space and Missile Test Range is a vital national asset providing large radar and optical instrumentation to conduct live-fire developmental and operational flight testing of offensive and defensive missile systems, equatorial satellite launch capability, space object tracking and characterization, and atmospheric science research. The unique range and test facility is located 2,300 miles west-southwest of Hawaii in the U.S. Army Garrison-Kwajalein Atoll, Republic of the Marshall Islands. The Test Range's customer reimbursable engineering and test support extends to systems integration labs, short-range ballistic missile targets, engineering expertise, data collection,



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