

PICATINNY

NEW JERSEY

LOCATION

Picatinny is located in Morris County, northwest New Jersey and is 40 miles west of New York City. It is ½ mile from Interstate Route 80; 3 ½ miles from the nearest rail hub; 30 miles from Newark Liberty International Airport and 35 miles from Port Newark. The installation is in the geographic center of an area that has one of the highest concentrations of universities and major commercial research facilities in the nation. This close proximity facilitates long standing collaborative partnerships which significantly enhances armament research. The installation is located in a natural gorge which is 7 miles long and 1 ½ miles wide. This natural mountain barrier provides a distinct impediment to public encroachment.

SIZE

Acres: 6,493

Square Footage of Buildings: 3,914,134 SF

Plant Replacement Value: \$1,240,301,000

HISTORY

Picatinny has a long history of advancing armament technologies. With its diverse scientific and engineering talent, using extensive world-class laboratories and prototyping facilities, it is recognized as a preeminent national and international leader in the research, development, engineering and production support for advanced armament systems. The site has provided our warfighters lethality since our nation's birth to the current operations. It was established in 1880 as an Army powder depot on the historic site of one of NJ's early iron forges that provided iron cannon and shot to the Continental Army. It began manufacturing powder in 1907 and, because of this new mission, was designated an arsenal. By 1926, Picatinny Arsenal was producing all types of munitions. When World War II began, it was the only plant in the country capable of producing large caliber ammunition. The war necessitated expanding production capabilities and Picatinny engineers, because of their manufacturing expertise, were critical to the establishment of additional armament manufacturing plants around the country. Picatinny's preeminence continues to the present as evidenced by its designation as the Center for Industrial Base Manufacturing Science Technology Transfer and industry still relies heavily on this expertise to solve their production problems. As the industrial base shrinks, Picatinny's expertise is critical to national surge requirements. In 1977, the mission became armament research and development (R&D) which continues to the present. Though no longer a production facility, Picatinny has prototyping capabilities which facilitate item development and urgent fielding. The Army consolidated armament R&D at Picatinny by the transfer of the fire control and small caliber functions from Frankford Arsenal, PA. For over 30 years, Picatinny has been responsible for fully integrated life cycle armaments engineering and has been credited with some of the greatest technological advancements the world has seen in the area of firepower and weaponization.

MISSIONS

Picatinny is DOD's Center for Lethality and has been designated as a NJ Center for Homeland Defense Technology. The largest tenant, the U.S. Army Armament Research, Development and Engineering Center (ARDEC) provides the technology for over 90% of the Army's conventional lethality and a significant portion of all other Services' lethality. It provides fully integrated life cycle engineering from R&D through demilitarization for advanced weapons (line of sight/beyond line of sight fire; non line of sight fire; scalable effects; non-lethal; directed energy and autonomous), ammunition (small, medium and large caliber; propellants; explosives; pyrotechnics; warheads; insensitive munitions; logistics; packaging; fuzes; environmental technologies; and explosive ordnance disposal), and fire control systems (battlefield digitization; embedded system software; aero ballistics and telemetry). ARDEC coordinates the small arms requirements for all Services and has the only surveillance laboratory in DOD dedicated to the safe storage and handling of loaded and bulk propellant. It has fielded numerous urgently needed armaments for current operations, including the Gunfire Detection System, Advanced Aircraft Infrared Countermeasure Flares and the 40mm Thermobaric Grenade. ARDEC's mission is enhanced by the co-location of the Program Executive Office (PEO) for Ammunition who is designated as the Single Manager for Conventional Ammunition (SMCA) for all Services. The SMCA, with an annual budget of \$2.2B, is responsible for executing life cycle acquisition management of conventional ammunition; procures ammunition for all Services; and manages the DOD ammunition industrial base. Also resident at Picatinny are four PEO Ammo Program Management (PM) Offices, including PM Joint Services who equips all Services with energetic and munition items, including Air Force and Navy bombs. The PEO for Ground Combat Systems PM Offices/Directorates manage the Joint Lightweight 155mm howitzer and artillery systems in addition to the Future Combat System (FCS) Lethality Systems. The PEO for Soldier Systems PM Soldier Weapons provides lifecycle management for all Services individual and crew served weapons.

MAJOR UNITS/TENANTS

G Company, 2nd Battalion, 25th Marine Regiment (Reserve unit)

4219th U.S. Army Hospital (Reserve unit)

U.S. Army Armament Research, Development and Engineering Center

Program Executive Office (PEO) for Ammunition and its' four Program Management Offices

PEO for Ground Combat Systems - 4 PM/Directorate Offices

PEO for Soldier Systems - Joint PM for Soldier Weapons

POPULATION

	Authorized
Military	122
Civilian	3,036
Contractor	529
Student	0
Other	358
TOTAL	4,045