## US ARMY NATICK SOLDIER RESEARCH, DEVELOPMENT & ENGINEERING CENTER (NSRDEC)

The NSRDEC is part of the Army's Research, Development and Engineering Command (RDECOM) and is located in Natick, Massachusetts.

## OUR MISSION

Research, Development and Engineerinf (RD&E) To Maximize the Warfighter's Survivability, Sustainability, Mobility, Combat Effectiveness and Field Quality of Life by Treating the Warfighter as a System

## ADDING VALUE THROUGH:

- Basic Science
- Technology Generation, Application, and Transition Enabling Rapid Fielding of the Right Equipment
- Soldier Systems Technology Integration and Transition
- Solving Field Problems Rapidly

## OUR VISION

To be the Recognized Center for Warfighter and Homeland Defender Research, Technologies and Systems

## OUR FOCUS

Deliver world class research, development and systems engineering and services, with a unique Warrior-centric focus.

**The Science Behind the Warrior:**
**Yesterday, Today and Tomorrow.**

RDECOM

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TECHNOLOGY DRIVEN. WARFIGHTER FOCUSED.

UNCLASSIFIED

# US ARMY NATICK SOLDIER RD&E CENTER (NSRDEC)

## DoD COMBAT FEEDING: Fueling the Warfighter

- Providing total life cycle, warrior-focused leadership for high quality combat rations, field food service equipment and food service systems.
- Revolutionary S&T, providing enhanced warfighter performance, improved food service efficiency, and reduced logistics burden.

## AERIAL DELIVERY EQUIPMENT SYSTEMS: Global, Fast, Flexible Delivery for the Future Force

- Supporting airborne soldiers in the field, and ensuring the safety and quality of their parachute equipment.
- **Joint Precision Airdrop System (JPADS) Program:** Integrated technology providing accuracy, confidence, rapid pre-flight and in-flight mission, threat, and terrain/environment programming.

## MATERIALS TECHNOLOGY & READINESS: Protecting the Warrior to Survive and Win

- Providing advanced protection against the full spectrum of ballistic, biological, chemical, flame, blast, environmental and sensor threats.
- Ensuring that state-of-the-art Materials Protection technologies are integrated and transitioned into the Future Force.

## SHELTERS TECHNOLOGY: Sheltering Warriors Worldwide

- Providing world-class design, engineering & field support for 1-person to 1-acre shelters.
- Center of Excellence for Flexible Composite Structures — advancing airbeam and flexible composite technologies.

## WARFIGHTER SCIENCE, TECHNOLOGY & APPLIED RESEARCH: Achieving Unparalleled Warrior Dominance Through the Power of Science and Technology

- Supporting tomorrow's Soldier via advances in nanotechnology, biotechnology, polymer science and Soldier physics-basedmodeling and simulation.
- The Warrior's research program in behavioral and cognitive sciences, biomechanics and anthropometry.

## TECHNOLOGY, SYSTEMS & PROGRAM INTEGRATION: See First, Understand First, Act First, and Finish Decisively

- Advance and transition modular and reconfigurable Soldier systems and technologies to benefit and serve the next generation Warfighter's operational capabilities.
- Science & Technology Program addresses the Soldiers' needs, and supports the Army's S&T vision, strategy, and Transformation Objectives.
- Apply expertise to manage the technology development, integration and experimentation of the USSOCOM Small Unmanned Aerial Vehicle (SUAV) ACTD.
- Focal point for protective clothing and individual equipment materials, systems and testing among homeland security emergency response professionals, military personnel and civilians in high-risk occupations.

## NATIONAL PROTECTION CENTER (NPC): Protecting Those Who Protect Us

- Extending NSRDEC's protective equipment technologies and expertise to Homeland Security and civilian emergency responders (Law Enforcement, Firefighters, HAZMAT, and EMT).
- Integrated systems approach to the development of protective equipment for multiple missions against multiple threats.

## Doing Great Things for the Soldier Every Day