



**TRUST. SECURITY.  
CONFIDENCE.**  
SINGLE-SOURCE SOLUTION

DEFENSE

# TRUSTED BY THE U.S. GOVERNMENT AND TOP DEFENSE CONTRACTORS

Element and NTS have joined to become the undisputed leader in defense testing. Trusted by the U.S. government and top defense contractors, Element offers the most sophisticated MIL-STD testing on the planet. With decades of experience—along with an expansive physical infrastructure - Element is uniquely positioned to support the world's most complex military programs. We deliver:

- Unparalleled delivery time for projects of any size, duration or location
- Peace of mind with our robust program management that provides seamless communication and support
- Test results with unmatched levels of accuracy and quality
- Expertise and capabilities from testing full systems, components, and materials in both legacy and emerging defense technologies to 5G O-RAN and a full suite of Product Qualification, Destructive, and Non Destructive testing
- This full suite includes robust environmental, dynamics, EMI/EMC, and mechanical test capabilities as well as sophisticated high-speed photography, instrumentation, and data acquisition tools to capture different aspects of each test
- Direct access to engineers and technicians who have exceptional knowledge in domestic and international test and conformity requirements
- Ballistics testing of body armor, helmets, firearm locking devices and more
- Safe, accurate and reliable ammunition and firearms testing - with capability to test Class 1.4 explosives
- With more than 40 labs, our extensive geographic reach provides localized support for the defense sector
- Confidence that your testing plan fits your specific needs, reducing the risk of costly delays and retests
- From fighter jets to hypersonic missiles, ground equipment to radar, ammunition to communication - Element testing helps to protect the world and keep the homeland safe



Element  
and co

- US Army
- US Navy
- US Air Force
- US Marine Corps
- US Coast Guard
- US Space Force
- Combating Terrorism Technical Support Office (CTTSO)
- Department of Defense Ordnance Technology Consortium (DOTC)





## MARITIME

- Shipboard Shock
- EMI
- Vibration



## UAV

- Airframe systems
- Engines
- Power systems
- Aerostructures
- Communication systems - including 5G-ORAN

## AEROSPACE

- Power Systems and Auxiliary Power
- Interior and Exterior
- Aerostructures
- Engines
- Airframe Systems
- Landing Gear

## SUPPLEMENTARY AMMUNITION, WEAPONS AND MUNITIONS TESTING

- Materials
- Components
  - FSP testing for pistol, rifle, and ammunition
  - Stab
  - FSD



## ARMORED VEHICLES AND GROUND EQUIPMENT

- Armor components
- Interior
- Engines & power train
- Communication systems
- Electronic & battery systems
- Suspension & braking systems
- Fuel and hydraulic systems
- Weaponry

## PRIDE IN AMERICA

Element takes pride in going above and beyond to protect our service men and women in all branches of the military. From weapons and ballistics to PPE and vehicle armor, U.S. soldiers get battle-ready equipment, weapons, and more. Our national network of test laboratories provides unique test capabilities including NDT, destructive, fatigue and fracture mechanics, EMI/EMC, dynamics, fiber optics, environmental, fluids/fuels, and cryogenics. We are a source for a full range of integrated engineering solutions, product testing, standards compliance, project management and managed services for the Defense Market.

## ENABLING SAFETY AND SECURITY

partners with the world's most complex defense programs. Defense customers receive efficient, timely consistent RDT&E of systems, components, and materials in legacy and emerging defense technologies.

### UNITED STATES ARMED FORCES

- Marine Corps Systems Command (MARCOSSYSCOM)
- Missile Defense Agency (MDA)
- Naval Air Systems Command (NAVAIR)
- Naval Sea Systems Command (NAVSEA)
- Space and Naval Warfare Systems Command (SPAWAR)
- US Army Armament Research, Development and Engineering Center (ARDEC)
- US Army Materiel Command (AMC)
- US Army Research Development and Engineering Command (RDECOM)
- US Army Research Laboratory (ARL)
- US Army Natick Soldier Research, Development and Engineering Center (NSRDEC)
- USSOCOM – Special Operations

### DEFENSE CONTRACTORS

- Lockheed Martin
- Boeing Company
- Newport News Shipbuilding (NNS)
- Northrop Grumman Innovation Systems (NGIS)
- Raytheon
- Aerojet Rocketdyne
- BAE Systems
- Ensign-Bickford Aerospace & Defense Co. (EBAD)
- General Atomics
- General Dynamics
- Huntington Ingalls Industries (HII)
- L3Harris
- SAIC / Leidos
- Scientific Research Corporation (SRC)
- Textron
- United Launch Alliance (ULA)



Global reach,  
localized presence  
in the United States,  
Canada, Mexico,  
UK, Spain, France,  
& Netherlands

**COMPLIANCE:** • ITAR • NIST 800-171

**SPECIFICATIONS:** ADS-37A-PRF • DEF STAN 00-35 • DEF STAN -59-411 • DEF STAN 61-5 • MIL-DTL-901E • MIL-STD-120 • MIL-STD-167 • MIL-STD-202 • MIL-STD-248 • MIL-STD 461 • MIL-STD 462 • MIL-STD-464 • MIL-STD-516 • MIL-STD-704 • MIL-STD-767 • MIL-STD-810 • MIL-STD-883 • MIL-STD-1130 • MIL-STD-1275 • MIL-STD-2105 • MIL-I-46058C • MIL-PRF-28800 • MIL-PRF-31032 • MIL-PRF-50884D • MIL-PRF-55110 • and more

## CONNECT WITH AN EXPERT

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