

Technology Solutions Group

QinetiQ North America | World Class Technology, Responsive Solutions, Trusted Partner

The Technology Solutions Group (TSG) of QinetiQ North America (QNA) has an international reputation for developing and delivering innovative products and systems that perform under the most demanding conditions to government and private industry clients. Our TALON® robots are widely used in Iraq and Afghanistan to disable roadside bombs and our LAST® add-on Armor has been used to up-armor thousands of combat air and land vehicles since its debut in Operation Desert Storm in 1991. Our Precision Air Drop System (PADS™) has been used on more than 400 missions and has dropped more than 5 million pounds of cargo since its debut in August 2006.

We currently offer services in the following areas:

- Robotic Systems and Engineering Design – Advanced robotic systems that safely extend the reach of humans to restricted and hazardous environments.
 - Advanced Materials Technology Development – New products today require cutting-edge materials technology so we continuously expand our expertise in this area.
 - Biomedical Technology Development – Products that save, prolong and improve life begin with inspiration, take form through innovation and emerge ready to meet patient needs.
 - Smart Sensor and Electronics Design – Embedded microprocessors that detect, gather and analyze multiple data variables.
 - Thermal Systems Development – In outer space or deep underground, our engineers have designed systems that run the gamut of environments.
 - Ocean Science Technology -- Customized hardware and software addressing ocean-related research and operations for military and civilian agencies.
 - Transportation Systems and Structural Modeling – We employ the latest advances in computer simulation and finite element analysis.
 - Custom Equipment, Product and Process Design – Solving manufacturing problems that stand between concept and marketplace.
- system is scalable to include full digital EKG, ballistic impact detection (BIDS) and more complex respiratory-based analyses.
 - Ears™ gunshot localization systems that supply accurate sniper threat data to military personnel in complex acoustic environments.
 - SECURES® gunshot detection systems that rapidly locate a source of gunfire for quick response by law enforcement and other first responders.
 - SPO standoff suicide bomb detection systems to detect improvised explosive devices (IEDs) from up to 65 feet away.
 - FluidScan-H handheld mid-infrared spectrometers for chemical analysis that can deliver real-time fluid condition assessments based on ASTM Standard Practice E2412-04.
 - Pirate Eye™ systems that detect and locate camcorders in movie theaters that are being used to illegally copy first-run movies.

TSG, a group of more than 700 engineers, scientists and support staff with offices across the United States, includes members who are certified to Aerospace Quality Management Standard AS9100, ISO13485, and SW-CMM Level 3 software.

In addition to TALON robots, LAST Armor and PADS™, our products include:

- Combat Cool™ microclimate cooling systems for military vehicles that cool garments worn directly against the skin to enhance heat removal from the body.
- WatchDog™ ambulatory physiological monitoring shirts for military, first responder and hazmat personnel. The baseline system monitors heart rate, respiration, posture, activity and skin temperature and transmits the data wirelessly to a remote display. The

