

# Innovation in

▣ Battelle technician Curtiss Stewart is part of a team that's developing lightweight armor systems for military vehicles and boats.

# National Security

Battelle's National Security Global Business operates in many dimensions but maintains a singular focus—protecting people and saving lives. Our capabilities range from rocket science to nanoscience, from biodetection to protective materials, from data mining to robotics, and from undersea exploration to the outer limits of the Earth's atmosphere.

## Protecting Our Nation—on Land, in the Air, and at Sea

Every day Battelle researchers apply the most advanced science and technology to keeping our nation and its citizens safe and secure on the road or on the rails, in the air or at the port, and wherever critical facilities or infrastructure must be made less vulnerable. Whether engaging in complex computer modeling, human factors research, or numerous initiatives in between, Battelle people and technology are deployed around the globe to develop workable and effective solutions.

## Leveraging Expertise, Experience, and Equipment for Affordable Solutions

Battelle is uniquely positioned to address the entire spectrum of our nation's security needs. Our staff's research expertise spans multiple scientific disciplines; our specialists know, firsthand, what members of our armed forces require to succeed in the field; our ability to manage or contribute to large-scale programs with ambitious agendas has been well honed and recognized; and the range of sophisticated scientific machinery Battelle can access is simply unparalleled.

- ➔ Battelle's Airborne UXO (unexploded ordnance) Detection System worked with the Environmental Security Technology Certification Program in establishing a new standard for the airborne detection of unexploded ordnance. The independently validated results show that there is no other system in the world operating with this level of detection.

## Transferring Technology for Multiple Uses

Our national security work also generates economic dividends through spin-outs of technology originally designated for military applications. For example, the science developed by Battelle to clean up chemical weapons stockpile sites now is being developed for its potential use in controlling pollution created by abandoned coal mines and dairy farming.


However critical the mission or complex the task, Battelle's experts and technology are helping keep our nation and our people safe.



**Thwarting CBRNE Threats.** A Battelle-led team was awarded a \$333 million contract to support U.S. efforts to protect our military from chemical, biological, radiological, nuclear, and explosives (CBRNE) threats. Battelle will provide logistical support for all CBRNE defense systems deployed throughout the world.



**Tinker AFB.** Battelle is in its third successful year of a critically important Air Force initiative at Oklahoma City Air Force Logistics Center at Tinker Air Force Base. We're leading the lean transformation of the Maintenance, Repair, and Overhaul (MRO) operations in order to dramatically improve the Center's operating and fiscal efficiencies.



**Cogswell Security Award.** The Battelle Eastern Science and Technology (BEST) Center won the prestigious Cogswell security award for the facility's outstanding security program. The U.S. Defense Security Service nominated just 80 out of 11,000 cleared defense contractors—with Battelle among the 30 that earned the award.



**Verity™.** Verity™, Battelle's revolutionary weld fatigue prediction tool, was adopted by the American Society of Mechanical Engineers in its Boiler and Pressure Vessel Codes, signifying a monumental breakthrough in the way industry addresses weld fatigue.