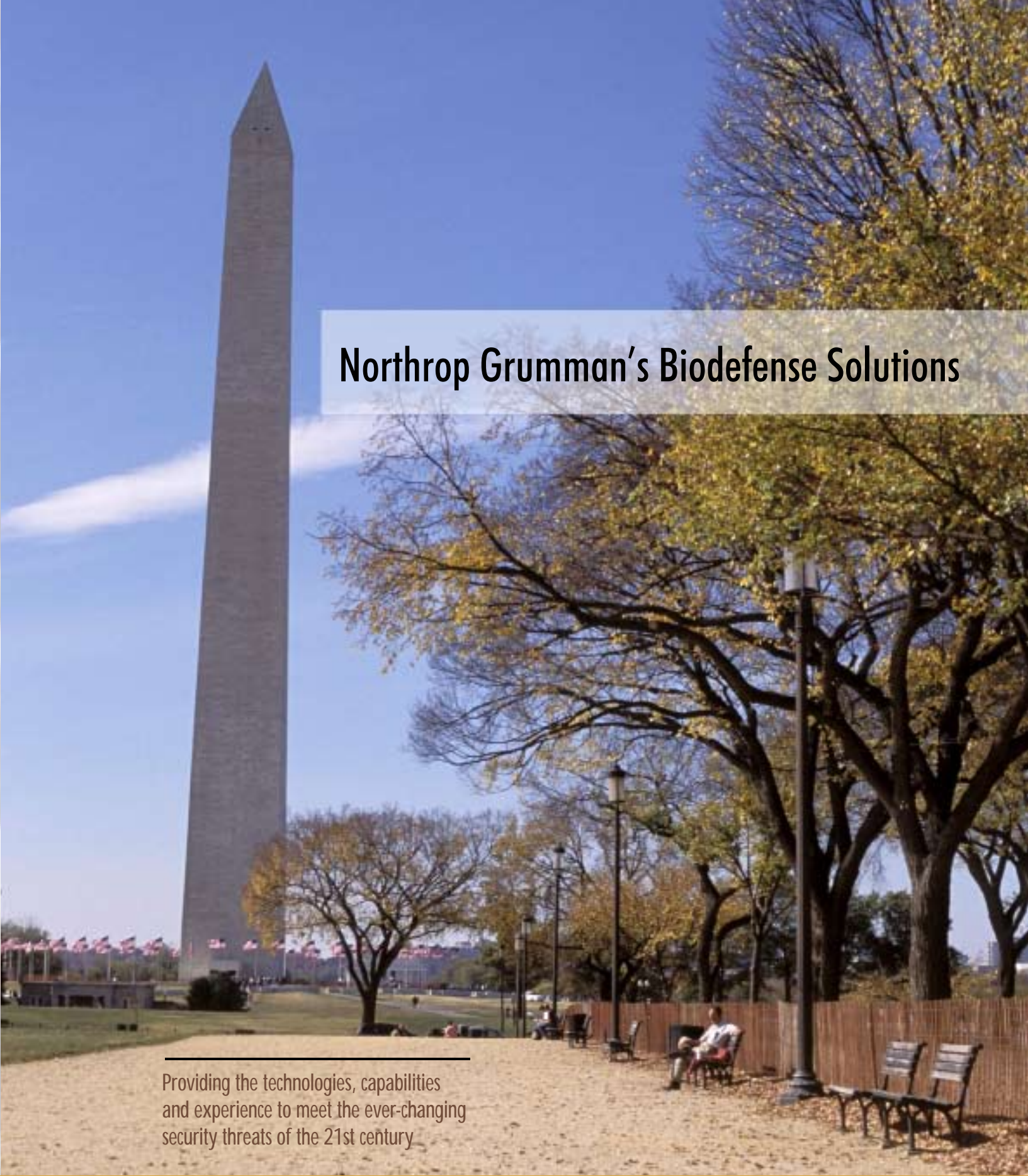


www.northropgrumman.com



Northrop Grumman's Biodefense Solutions

Providing the technologies, capabilities and experience to meet the ever-changing security threats of the 21st century

Providing the technologies, capabilities and experience to meet the ever-changing security threats of the 21st century

A Clear and Present Threat

Protecting the health and well being of the American people in the event of a catastrophic health incident—whether the result of bioterrorism or naturally occurring—is one of the longest-standing and most important responsibilities of our nation's government. Yet the realities of the 21st century pose new and ever-increasing challenges for the organizations tasked with this vital mission.

Global trade, international travel and the globalization of the food supply chain increase not just the likelihood but also the potential scope of both pandemic and food borne illnesses. Meanwhile, advances in biotechnology, the dual-use nature of biological equipment, the spread of bio-expertise, and the firm resolve of terrorist organizations, make the possibility of a bioterrorist attack an issue of not if, but when.

Building the Critical Infrastructure

This clear and present threat requires the continual development of newer and better detection methods; a robust infrastructure for information gathering, sharing and collaboration; and more effective preventive measures and treatments.

The United States has already taken aggressive measures to implement a broad range of biological defense capabilities. The challenge now is to build a national system-of-systems infrastructure—an infrastructure which provides virtually real-time situational awareness, supports communication and collaboration across all levels of government, and, most importantly, translates information into knowledge and knowledge into informed action.

Timely information, translated into meaningful knowledge regardless of perspective, is the goal we must seek as we confront both natural and man-initiated attacks. Disrupting our enemy's timelines and accelerating response to affected citizens saves lives and preserves our vitality.

The ability to create this much-needed foundation is within our reach today.

A Trusted Biosecurity Partner

Northrop Grumman is providing solutions that are playing a central role in our nation's biodefense strategy. Our vision, innovative thinking and proven experience—supported by our deep domain understanding from sensors to critical decision support systems of systems—are what make Northrop Grumman an agile, resilient and skilled partner focused on the safety and well being of Americans against enemies of our society.

"The greatest danger of another catastrophic attack in the United States will materialize if the world's most dangerous terrorists acquire the world's most dangerous weapons."

— The 9/11 Commission Report

We're actively developing ground-breaking technologies and capabilities to support agencies at every level of government in their missions to anticipate, detect, prevent and respond swiftly and effectively to a biological event—no matter what the cause.

Our experience working with organizations addressing all facets of the biodefense challenge—both from a law enforcement and public health perspective—affords us a unique perspective to understand, identify and implement common solutions that address multi-faceted threats.

Above all, our passion and commitment to supporting the nation's biosecurity solution is unparalleled. Our people and our capabilities are ready, willing and able to meet the ever-changing security threats of the 21st century.

"Unless the world community acts decisively and with great urgency, it is more likely than not that a weapon of mass destruction will be used in a terrorist attack somewhere in the world by the end of 2013."

— World at Risk

Northrop Grumman's Biodefense Capabilities

From sensors that provide early warning of an attack, to IT solutions that support the sharing of real-time information, to training and response systems that can save lives, Northrop Grumman is working with federal, state, local and private sector organizations to provide comprehensive biodefense solutions designed to equip decision makers with near-real-time information and insight.

Our capabilities support the key pillars of a national biodefense strategy in order to help our nation detect, prevent, respond and recover in the event of a biological incident.

Detect	Prevent	Respond	Recover
Multi-agent sensors that rapidly and reliably detect biological and chemical agents	Preparedness assessments	Secure, real-time information sharing networks	Tracking, logistics and supply chain management systems
Intelligent early warning and reporting capability for CBRN attacks	Critical infrastructure protection	Emergency response planning and simulation Training and simulation planning	Public health IT solutions and services
Public health surveillance and informatics	Fusion Center development and operations support	National exercise program expertise for emergency managers and first responders	Disaster recovery and continuity-of-operations
Design, operation and maintenance of classified, mission-critical infrastructure systems	Health information exchange systems	Emergency communication systems, including e911	Health systems integration
Enterprise-wide program management	High-speed public safety wireless networks	Command and control centers for defense, intelligence, public safety, transportation and emergency management communities	Public health infrastructure support

Northrop Grumman is fully committed to helping the United States prevent, prepare and respond to the threat of bioterrorism. Contact us today to learn more about how our biosecurity solutions can meet the ever-changing security threats of the 21st century.