



## TechGuard Security Capabilities Brief

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An American flag is shown on a tall pole, waving in the wind. The background is a clear blue sky with a bright sun flare in the upper right corner. The flag is positioned vertically, with the top of the pole near the top of the frame. The sun flare is a large, bright, circular glow that fades into the sky.

TechGuard Security, a Cyber-Defense Mission-focused company, was founded in February 2000 in response to PDD-63.

**Mission:** TechGuard puts security first to protect critical infrastructures by providing revolutionary cyber-defense for government, business, and most importantly for people.

**Vision:** *TechGuardians* will be globally recognized as the leading innovators of cyber-defense technology and services for people of free nations.

# TechGuard's understanding, functional expertise, experience and methods will help customers meet their cyber security goals

[Overview](#) | [Intelligence and Security Services](#) | [R&D/CATS Lab](#) | [PoliWall HIPPIE™](#) | [Contact Information](#)

## Differentiators

- Trusted relationships developed through National Security Mission-focus
- Clearances to work in sensitive environments, language skills for international ops
- Seasoned engineering team research and develop emerging and next-generation technologies is known for Innovation and Speed
- Effective AI/adaptive Great Walls of Fire® products developed and deployed
- Networking/security thought leadership: Contribute to national cyber defense policy
- **Able to meet Government contract requirements for personnel and facility— all US Citizens, on-shore development only**
- Retired military personnel and contracting relationships provide enhanced understanding of defense and intelligence requirements
- Institutionalized quality programs through pursuit of CMMI level 3
- Certified professionals provide award-winning networking, security and training services
- Deep understanding of NIST/NSA/OMB-130 regulations regarding network security
- Tailored security solutions keep customers ahead of threats to critical information



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# TechGuard provides trusted US Critical Infrastructure security and National Cyber Defense through innovative R&D, services and training for the Intel, DoD, DHS, Federal, Finance and Healthcare communities

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- Founded February 2000 in direct response to Presidential Decision Directive 63 to secure the U.S. Critical Infrastructure
- Located in St. Louis, Baltimore, Scott AFB
- 50+ Employees
- **GSA 8(a) STARS Contract holder**
- **GSA 70 Schedule Holder**
- **Mission-focused:** Secure the US Critical infrastructure and promote National Cyber Defense
- **Growth-oriented:**
  - 200% growth in IC market in 2008
  - Avg. 100% growth year over year 2000-2008
- **Women-Owned, 8a-Certified**, small, disadvantaged business



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# TechGuard's Services and Products address the current and future challenges faced by Federal and Defense agencies

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## SERVICE OFFERINGS

- Cyber Offense and Defense
  - Technical Network Security, Architecture and Planning, Security Plans, POAMS
  - IT and Networking Services, COOP, 24X7 Operations Managed Security Products/Services, LAN/WAN Management
  - Ethical Hacker/Pen-testing Teams
  - R&D services—Sensor System Visualization, Artificial Intelligence Custom Computer Programming, Application Development
  - Training Programs Developed and Deployed— Live, CBT
- Vulnerability, Risk Assessments, Certification & Accreditation, DITSCAP, DIACAP
  - Independent Verification & Validation, and ST&E
  - Internet Protocol v6 Development and Integration
  - Biometric Solutions Consulting
  - SOA/Portal Development, Security and Support
  - Compliance Services—FISMA, NIST 800 series, OMB-130, HSPD, NSPD, HIPAA, and GLB



## Products & services (cont'd)

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**PRODUCT  
OFFERINGS**



### TECHGUARD PRODUCTS:

- Research, develop, program, code, manufacture, and manage the Great Walls of Fire® (GWOF) network security products
  - PoliWall with HIPPIE filter
  - GWOF managed firewalls
  - GWOF Intrusion Detection System
  - GWOF Spam Filter
- Sensors/Situational Awareness/Command & Control

### RESELLER:

- Cisco, Dell, Symantec, Sun, HP
- Biometric appliances supplier
- IBM Developer Partner
- Other Major Manufacturers



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# TechGuard's customers are primarily Defense and IC but also include Civilian, State, Commercial markets

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## Defense/ Intelligence

- US Army
- Defense Information Systems Agency (DISA Mentor Protégé Program)
- Defense Advanced Research Projects Agency (DARPA)
- National Geospatial-Intelligence Agency (NGA)
- US Army National Ground Intelligence Center
- Defense Intelligence Agency (DIA)
- US Tank and Automotive Command (TACOM)
- US Transportation Command (USTRANSCOM)

## Civilian

- Department of Homeland Security (Mentor-Protégé Program)
- Pension Benefits Guaranty Corporation (PBGC)
- Department of Labor (DoL)
  - GovBenefits.gov
  - Office of the CIO
  - OSHA
- Department of Justice (DoJ)
- National Institutes of Standards and Technology
- Office of Personnel Management (OPM)
- Dept. of Transportation
- Department of Treasury

## State & Local

- Metro (St. Louis)
- State of Maryland
- City of Chicago

## Commercial Sectors

- Financial
- Healthcare
- Defense Industrial Base



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# TechGuard capabilities leveraged across client markets

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# TechGuard Innovative Research and Development (CATS labs), Capabilities/Projects

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- Established Center for Adaptive Technology Security (CATS) labs in St. Louis and in Baltimore focused on US-based, rapid development of advanced technologies, artificial intelligence and nano-technology for defense, intelligence and homeland security applications. SCIF near BWI in planning stage.
- Research, Develop, Manufacture and Manage the Great Walls of Fire® security appliances, including the PoliWall®
- “Heuristic Firewall Methods and Apparatus” patent granted.
- Patents pending on the HIPPIE technology. The PoliWall™ filtering product with High-Speed Internet Protocol Packet Inspection Engine (HIPPIE™) from concept to product in 6 months. provides country filtering, bandwidth throttling, Fast processing at gigabit speeds. Low CPU and low bandwidth usage. Developed for the warfighter.
- Nanotechnology collaborative projects for nano-battery and nano-memory—University of Missouri Nanotechnology lab.
- Awarded a NIST ATP grant (fourth company in the state of Missouri to win this grant) for \$1.45 million for “Securing the Critical Infrastructure: A Heuristic Firewall Project”. The project yielded three products and two new patent filings.
- Developed and currently manage the Electronic Collaborative Environment Secured portal for the Joint Unmanned Combat Air System (J-UCAS) program (now N-UCAS). Selected by Johns Hopkins Applied Physics Lab as their lead developer because of our expertise secured portal development.
- Cooperative Research and Development Agreements (CRADA) with the Army Tank and Automotive Research and Development Center (TARDEC) and with the Joint Interoperability Test Command (JITC) Ft. Huachuca.
- WAVES project with the Army’s Tank and Automotive Command, Warren Michigan

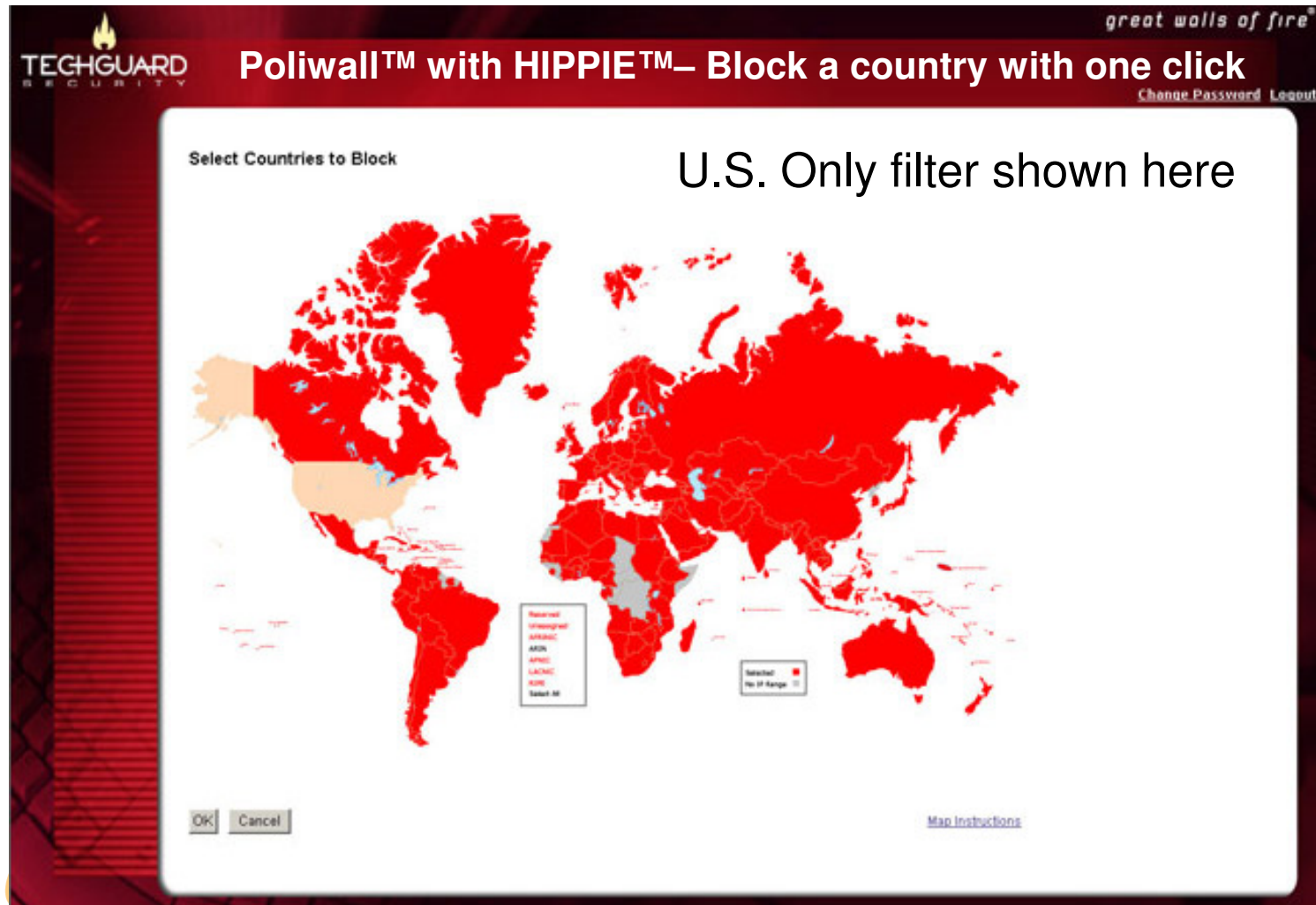
# Wireless Analysis and Visualization Engines for Sensors, current TACOM project with TARDEC

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# The Solution. . . TechGuard's PoliWall™ with High-speed Internet Protocol Packet Inspection Engine (HIPPIE)™ technology tailored to meet requirements

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# PoliWall with HIPPIE was a Most Promising Technology in CWID '08, highly successful trial at JFEX 2009, and selected for CWID June '09

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TRIAL 5.34

COALITION WARRIOR INTEROPERABILITY DEMONSTRATION

## Poliwall with Heuristic Internet Protocol Packet Inspection Engine Appliance

5. GOVERNMENT AGENCY INTEROPERABILITY



**SPONSOR:** DISA

**DEVELOPER:** TechGuard Security, LLC

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PoliWall's HIPPIE Appliance filters block network traffic from adversary nations and give U.S. and coalition partners higher priority to network assets.

Policies can be quickly configured using a simple and intuitive world-map based interface.

PoliWall can be configured to detect changes in traffic patterns from nation-states and send alerts or automatically change configuration to apply more restrictive policies, mitigating the impact of hostile activity.

Network visualization and reporting tools provide real-time and historical views of network utilization by nations.



## Contact Information

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### **Maryland—CATS Lab**

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### **O’Fallon, IL (Scott AFB)**

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[www.techguardsecurity.com](http://www.techguardsecurity.com)

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# Thank you—and Stay Safe

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“PoliWall a Cracker™”

