



HOMELAND SECURITY MARKET DEVELOPMENT IN ILLINOIS

The Role of Community Colleges in Homeland Security Workforce Education

ICCB Homeland Security Conference
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Present by:

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**homeland security
market development**

ILLINOIS DEPARTMENT OF COMMERCE AND ECONOMIC OPPORTUNITY





The Homeland Security Market: The Economics

Total US = \$23.5 billion

- ✓ FED DHS - \$8.06b
- ✓ FED Non-DHS - \$3.575b
- ✓ State / Local - \$5.31b
- ✓ US Private Sector - \$6.5b

Total US + World = \$42.5 billion

- ✓ World Government = \$13.8b
- ✓ World Private Sector = \$5.2b

Anticipated Change in Spending

- ✓ Public Sector +5% annual growth
- ✓ Private Sector +10% annual growth

**5 Year Value of US Market= \$115
billion**

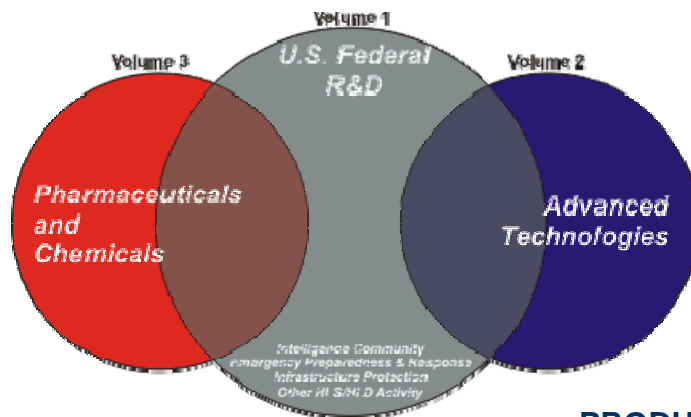
**Federal R&D Spending has
increased every year since 2003**

2005 saw a \$1.1 billion increase

**Corporate security spending
also projected to increase**



HS Target Capabilities & Product Needs



CAPABILITIES

- Animal Health Emergency Support
- CBRNE Detection
- Critical Infrastructure Protection
- Citizen Preparedness / Participation /Protection
- Critical Resource Logistics & Distribution
- Economic and Community Recovery
- Emergency Operations Center Management
- Emergency Public Information & Warning
- Environmental Health & Vector Control
- Explosive Device Response Operations
- Fatality Management
- Firefighting Operations/Support
- Food & Agriculture Safety & Defense
- Information Collection, Threat Recognition, Sharing & Collaboration

PRODUCT NEEDS

- Medical Supplies
- Certain Limited Types of Pharmaceuticals
- Information Technology
- Inspection and Screening Systems
- CBRNE Prevention and Response Watercraft/ Vehicles
- Types of Equipment:*
- Personal Protective / Physical Security Enhancement
- Explosive Device Mitigation and Remediation
- Terrorism Incident Prevention
- CBRNE Operational and Search and Rescue
- CBRNE Aviation and Logistical Support
- Ag Terrorism Prevention / Response / Mitigation
- Interoperable Communications
- Detection / Decontamination / Intervention / Power
- Cyber Security



Governor Blagojevich's Approach: Fostering Solutions to HS Needs

SERVICES PROGRAMS CAPACITY

NEEDS

Knowledge & Relationships

Innovation

Professional Management



SOLUTIONS

Network Capacity

Products & Services

Workforce Development



Establishing Capacity in Illinois: HSIEC

Homeland Security Innovation & Entrepreneurship Center @ Northwestern University

- HS market intelligence, business match-making and counseling services
- Referrals to HSMD's Innovative Product Grant program for product development
- Relationship building services with federal agencies via HSMD's DC office
- Assistance with SBIR funding and other federal HS grant opportunities



Establishing Capacity in Illinois: HSPTAC

Homeland Security Procurement Technical Assistance Center (HSPTAC) @ College of DuPage

- Links business with public procurement opportunities
- First “vertically” focused PTAC in the nation
- Develops program expertise – provides collateral training
- Has secured 34 contracts, worth \$2,771,750, 92 active clients, 417 attendees at training events



Establishing Programs in Illinois: Strategic Partnerships for HSMD

Illinois Homeland Security Network: Encouraging Cross-Pollination

- Position Illinois as the national “test bed” by attracting R&D resources, pilot projects and grants
- Promote the development of security products with an application in both sectors
- Promote Illinois-derived or based solutions
- Identify State needs and expertise that intersect with both sectors to help drive national agenda

IBHE Partnership: University Field of Study

- In partnership with IBHE, invested \$75 k with Northern Illinois University to design coursework for the HS field of study in the classroom and online
- 18 credit hours in multiple fields- from chemistry to computer forensics



HSMD Innovative Product Grant (IPG)

Program Intent

Generating *job growth* by accelerating production and improvement of “ready to go” homeland security products & services

Leveraging investment in new homeland security technologies and services

Creating *solutions to specific homeland security needs* & challenges

IPG provides

Capital of up to \$150,000

Allows for partnerships and joint ventures

Requirements:

- ✓ **Dollar-for-dollar private capital match requirement**
- ✓ **Proof of concept (this is not a research program)**
- ✓ **Dual purpose market**
- ✓ **Demonstrated job growth**



HSMD/ICCB Partnership: Centers and Services

- HSMD and ICCB: A Critical Partnership of existing expertise leveraged toward a vital, new, and growing industry
- Development of a homeland security industry workforce to support Illinois as a center of the HS industry
- Key Training Areas: IT, Biotech, Business Continuity, Communications, Food and Agriculture
- Coordination with ICCB to identify schools and programs to achieve common goals



The Role of Community Colleges in HSMD

- Directly responding to market-industry demands for skilled professionals
- Developing programs that create the skilled professionals to meet market demands
- Answering homeland security challenges through innovation and collaboration between community colleges, government, and the private sector – Innovative, Unique Programs
- Leveraging community college and foundation funding
- Ensure the monitoring of key metrics, such as number of individuals trained, individuals attending events, etc.



HSMD/ICCB Career and Technical Education Programs

FY 06

- ***Food Systems Policy Council at Richland College***
- ***Computer Security Training Center at Harper College***
- ***Business Continuity Training at College of Lake County***
- ***Biotechnology & Bioterrorism Training & Education Center at Truman College***



HSMD/ICCB Career and Technical Education Programs

FY 07

- ***Secure Application Development Training Program at Wilbur Wright College***
- ***Public Works Homeland Security Training at South Suburban College***
- ***Crisis Communication Technician Program at Rend Lake College***



QUESTIONS? CONTACT:

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