

# B.I.G. Enterprises Makes News in Perimeter Security

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Photo coverage of GSN's 2011 awards program

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Special section on mass notification technologies

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## A new take on securing USB flash drives

Once upon a time, USB flash drives were so cheap and convenient they were passed out free of charge at trade shows and every professional seemed to gather a collection of them in their desk drawers. PAGE 4

## Preventing disclosures by 'data-masking' your database

Suppose you're the Chief Information Officer for a major federal department or agency—such as DHS, the FBI or TSA—and your database administration team is planning to make a change in the way your organization accesses data. PAGE 8

## Homeland security as an integrative field: Implications for academia

With the emergence of homeland security (HS) as a field of public policy in the immediate post-9/11 period, there arose a commensurate need to educate HS professionals. PAGE 11

## DHS offers paid summer internships in science, technology, engineering and math (STEM)

DHS sponsors a 10-week summer internship program for rising college or university juniors and seniors majoring in homeland security-related science, technology, engineering and mathematics (HS-STEM) disciplines. PAGE 13

## GSN posts video interviews with winners and sponsors of 2011 awards program

GSN's video production team reports that the first nine of 18 video interviews conducted with winners and sponsors of its 2011 awards program and dinner have been posted on the GSN Website. PAGE 22

## This is only a test...Alabama leverages satellite to provide emergency alerts

Until recently, emergency alert tests have been conducted by states and localities alone, and were not integrated at the federal level. PAGE 31



Bastrop County Unified Command won accolades from GSN for its successful battle against Texas wildfires

## Mobile devices spawn new B.Y.O.D. security policies

By JACOB GOODWIN

Party goers are often encouraged to B.Y.O.B. (Bring Your Own Bottle) and, increasingly, employees at U.S. companies are being encouraged—or at least allowed—to B.Y.O.D. (Bring Your Own Device.)

That's the catchy phrase being used to describe a recent trend that's now sweeping across the country—the willingness of many American employers to allow some or all of their workers to use their personally-owned smart phones and other hand-held devices, such as iPhones, Blackberries, Android-driven phones, iPads and other portable gizmos, to access company data and perform company work.

The push to B.Y.O.D. comes largely from employees in their 20's and 30's, who have grown up using their smart phones throughout the day to communicate, to surf the Web, to shop, to download music, movies and other entertainment, to check their Facebook pages and to utilize a

hundred other mind-boggling mobile applications. Many of these "Millennials" have begun to insist on using their personal devices at work, so they can keep all of their contacts, email messages, spreadsheets, data and other work-related information

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## Increasingly complex narco-tunnels challenge U.S. Border Patrol

By MARK ROCKWELL

A string of recently discovered, highly-developed drug-smuggling tunnels, equipped with electricity, engineered structural support and air-moving systems, has U.S. Border Patrol agents stepping up detection efforts and concerns among U.S. citizens in California and Arizona border towns.

Border agents from federal task forces comprised of local law enforcement, U.S. Border Patrol, Immigration and Customs Enforcement (ICE)

## GSN 2011 awards dinner salutes best, brightest and bravest

By ADRIAN COURTENAY

The annual awards dinner hosted by *Government Security News* has traditionally saluted "the best and the brightest" in the homeland security field, and this year was no exception, as 45 awards were presented on Nov. 14 to leading vendors of IT and physical security products for their cutting-edge technologies, and to federal, state and local government agencies for their successful programs, projects and initiatives.

But this year, GSN also focused on "the bravest," as the U.S. Border Patrol's Detroit Sector was honored for a series of arrests on the St. Clair River made under its Remote Video Surveillance Program, as coordinated with the headquarters of the Secure Border Initiative in Washington, DC; and the Bastrop County, TX, Unified Command, a team of elite fire-

fighters from county, state and federal agencies was honored for its teamwork and selfless cooperation in bringing the worst wildfires in the history of Texas under control, following the loss of several lives and about 1,500 homes in the county.

In a related new development

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## Definition and motives of 'homegrown' terrorists more fluid than ever

Despite efforts to put a finger on what drives "homegrown" terrorists, the task is almost impossible to do, say experts, as motives among them are as varied as individual human personalities.

Some of those examining terrorists' psychological drives said homegrown, self-radicalized terrorists have a lot more in common with comparatively run-of-the-mill, mentally unstable murderers and assassins than with principle-driven ideologues bent on a cause. The psychological lines that might divide a "Lone Wolf" terrorist who bombs an army base and a lone assassin targeting the President are blurry, according to Dr. Randy Borum, a board-certified forensic psychologist and professor in the College of Behavioral and

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U.S. Army Major Nidal Hasan

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# B.I.G. Enterprises and Nasatka share 2011 GSN award for best perimeter protection

*Government Security News* handed its annual award for best perimeter protection product or system to two winners at its awards dinner in Washington, DC, in November 2011 -- B.I.G. Enterprises and Nasatka Security. The judging panel declared that both entrants had developed such outstanding products that a tie in this category should be declared.

B.I.G. was honored for its *Ultimate Ballistic & Blast Resistant Enclosure* (BBRE), and handed its trophy by Jacob Goodwin, Editor-in-Chief of *Government Security News* and emcee of the awards dinner.

According to the official entry submitted to GSN by B.I.G. Enterprises, the impetus to develop these sturdy blast resistant enclosures began in 2003 when the Nuclear Regulatory Commission (NRC) developed mandates regarding enhanced security at nuclear power plants.

"A hardened perimeter is a key element in executing an effective security model and many facilities now use blast and ballistic resistant guard booths and guard stations at a facility's perimeter," explained B.I.G.

The company noted that Nuclear Security Services Corp., of Chicago, IL, recently chose B.I.G. enterprises to provide its Ultimate BBRE guard shelters for some of the nuclear power plants that it services. In addition, its Ultimate BBRE has received praise from "all branches of the U.S. armed forces, key government, nuclear, chemical, agricultural, and water treatment facilities, financial institutions," said the entry, all well as some national security agencies which B.I.G. declined to identify.

B.I.G. described the many features that distinguish the Ultimate BBRE: Bullet-resistant custom locking slide-type gun ports designed for high-power rifles with scopes and 6-inch diameter for hand guns; a ductless split system HVAC with low ambient temperature feature surrounded with bullet and blast resistant shroud that also protects power and data communication lines; anchoring systems that are pad- or tower-mounted and designed for standard installation with blast and tornado anchoring systems available; window glazing that is bullet-resistant from U.L. level 1 to NIJ-IV, or higher, that are can stop 50 caliber ballistics

and also include hurricane systems.

"As George Washington once stated,



Sharon Beckett from B.I.G. Enterprises accepts Best Perimeter Protection award

"There is nothing so likely to produce peace as to be well prepared to meet the enemy'," observed the B.I.G. entry form.

The second winner, Nasatka Security, has recently undergone a transition from

being a company focused exclusively on barriers to becoming an all-inclusive security solutions provider.

"Nasatka Security is the only firm to do a K12 physical crash test and has more than 1,500 units field tested worldwide with over 1,200 units deployed at U.S. Army facilities," explained Nasatka in its official entry to GSN. "The quick setup and easy operation of Nasatka barriers increases efficiency for clients, while providing optimum security for targeted facilities.

Nasatka's entire vehicle barrier protection product line is the first and only hot-dip galvanized product line, rather than zinc plate coated, the company says. This provides longevity in the conditioning of the barrier systems and adds years to the life of the barrier. Nasatka also offers green, energy-efficient solutions using an all-electric power unit (EPU) and a Moog linear actuator, a type of motion control technology. ■

## Extreme innovation: New B.I.G. bi-level, extreme weather security booths redefine border security

Working with experts in the security field, including the U.S. Army Corp of Engineers, Jacob Engineering, and Parsons Engineering, B.I.G. Enterprises, Inc. recently manufactured and delivered a series of bi-level, extreme weather booths to U.S. Canadian border check points. Prior to this recent delivery, similar booths have been delivered to the U.S.-Mexican border.

This booth is situated inside a large enclosure where trucks and other vehicles can be inspected thoroughly, despite grueling weather. The bi-level booth is unique. It facilitates ground level, visual inspection of vehicles, and gives guards access to upper portions of commercial trucks and containers via an interior stairway that leads to an elevated section. Thus, security personnel have a truly "top-down" perspective, which offers a distinct advantage.

When it comes to border security, guard booths and vehicle inspection strategies are a first line of defense. Security personnel, including agents from DHS and CBP, need facilities that allow them to function effectively in harsh climatic conditions, while giving them a physical advantage over potential threats. These security structures and control centers must be fabricated from the best materials, and incorporate correctly-sized HVAC systems for adequate climate management, says a news release issued by B.I.G. Enterprises. These booths must be configuration-friendly because they must house monitors, duress buttons, communications and surveillance equipment.

The B.I.G. bi-level units are fully-fabricated and ready to install, they have a high level of ballistics resistance, high-output roof-mounted HVAC systems, backup heat, and heated floor mats for severe winter weather. They also contain an extensive electrical infrastructure. The



conduits, junction boxes and other components support a flexible array of alarm, camera and communication equipment. Pre-wiring makes installation a snap, says the B.I.G. news release. Punishing environmental conditions are no match for these innovative, bi-level booths.

B.I.G. Enterprises is pleased to add the bi-level, extreme weather booth to its fabrication arsenal. B.I.G. guard shelters meet the exacting demands of regulatory agencies, security directors and facilities managers.

The use of Improvised Explosive Devices (IEDs) in the Middle East and around the world serves as a daily reminder that “low-

tech” weapons, such as homemade explosives and high-speed collisions, are key elements in the terrorist arsenal. To protect against these threats, B.I.G. Enterprises has made recent improvements in the development of its bullet- and blast-resistant guard booth.

High-technology firms are providing an array of blast- and impact-resistant guard booths, barriers and portals that can protect soldiers and citizens from bombs



and speeding vehicles. Strategically important targets, such as chemical processing facilities, nuclear power plants and government buildings, are already turning to these high-tech solutions to low-tech threats.

“The structure itself is designed to maintain the life inside it,” says ballistics expert Kelley Elmore, of LA-based engineering firm Hopper, Elmore and Associates. The booth enables the guard inside to survive the attack and respond, preventing a truck bomb from reaching its target.

Dave King, vice president of B.I.G. Enterprises, agrees. “A booth that is designed to resist the impact of a blast and remain intact and working not only ensures the guard’s life but also allows the guard to, if required, open the gun ports and return fire.”

The threat is far from theoretical. “Poor physical security has permitted armed terrorists and bomb vehicles to get too close and sometimes to gain entrance inside the target area, where they have created the maximum damage,” crisis management expert Charles Runner said in a recent article. The guard and the booth itself act as the first defense, preventing a potential attacker from gaining access.

Says one former Marine who protected the Marine Corps Commandant and his family, “One person can provide security for hundreds of people depending upon their environment. Couple that with surveillance technology and you’ve just increased their vision; their eyes can be in many places at once. Link them by phone and radio to a back-up force and you have an on-call army. Basically, this new booth design protects the guard and empowers him to know what is happening within a larger perimeter. It allows rational judgments on the protection of the people and buildings under his watch.”

## Centrify takes Best Identity Management Platform award

Centrify’s *Suite 2012* security and compliance solution that allows central control of access to an organization’s information systems took home *Government Security News*’ award for best identity management platform.

Centrify’s *Suite 2011* allows federal, defense, intelligence and civilian agencies to centrally control, secure and audit access to cross-platform systems and applications by leveraging an infrastructure they already own -- Microsoft Active Directory.

“It is a tremendous honor to be named the government industry’s Best Identity Management Platform by *Government Security News*, an important source of news and information in all aspects of homeland security,” said Frank Cabri, Centrify VP of Marketing. “Centrify’s focus on the Federal government sector helps government agencies address compliance and access controls across users and systems. Government agencies continue to consolidate data centers, improve security and embrace cloud infrastructure, and we are pleased to be partnering with them in delivering the identity consolidation and privilege management solutions that are critical to addressing their needs.”

Centrify’s FIPS-validated solution has broad acceptance throughout federal, defense and civilian agencies for its reliable identity consolidation and privileged access management solutions, said the company. The

Centrify Suite allows these organizations to centrally control, secure and audit access to cross-platform systems and applications by leveraging Microsoft Active Directory infrastructure. Built on an integrated architecture, the Centrify Suite strengthens security, enhances regulatory compliance initiatives, and reduces IT expense and complexity, it said.



Jacob Goodwin presents award to Greg Cranley of Centrify, for Best Identity Management Solution

The Centrify Suite — consisting of DirectControl, DirectAuthorize, DirectAudit, DirectSecure and DirectManage — delivers secure authentication and single sign-on, role-based authorization, privilege management, user-level auditing, trust-based protection of sensitive systems, and encryption of data in motion for the industry’s broadest set of cross-platform systems and applications. Centrify Suite has been awarded the Federal Information Processing Standards (FIPS) 140-2 Level 1 validation, assuring government customers, defense contractors, systems integrators and resellers that Centrify products provide the highest level of protection for sensitive information, and comply with strict government security regulations.

# To Secure a Perimeter...

success is all about choosing the Right Products.

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- The right Sensors
- The right Gates
- The right Fences
- And most important of all, the right Guard Station/House



## We Didn't Want Standard Shelters, We Wanted B.I.G.

Custom shelters and booths built for challenging locations... "When I visited the B.I.G. facility, I saw that it was a very well run and lean ship. Quality workmanship was obvious from the moment I walked in. Everybody worked as a team to secure this nuclear power facility. We're very pleased with B.I.G.'s performance—they made a big difference."

— Mission Critical Security Specialist

## If you don't protect your guards, they can't protect your operations.

A B.I.G. guardhouse is different from all others because we have invested over 40 years in studying and understanding what goes on inside—and outside—of a superior guard station. This expertise comes to you in the form of a full line of B.I.G. Enterprises guardhouses—the cornerstones of your "hardened" perimeter. With B.I.G. your guardhouse doesn't have to appear hard and unattractive—it can be your steel fist inside of a velvet glove.



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