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2007 Innovation Awards Presented

Winners announced at IACP in New Orleans

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TIM DEES
Editor in Chief
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The Cygnus Law Enforcement Group presented the 2007 Innovation awards on Oct. 13 in New Orleans.

The awards event was held in conjunction with the annual conference of the International Association of Chiefs of Police.

The Innovation Awards recognize new products and services introduced to the law enforcement market during the previous year. Manufacturers submit their newest and most inventive products for evaluation from a panel of independent judges of law enforcement professionals. There are 17 categories of entries.

Ronnie Garrett, the editor-in-chief of *Law Enforcement Technology* magazine, hosted the invitation-only event, held at the House of Blues on Decatur St. in New Orleans. Attendees enjoyed drinks and traditional Cajun food at the reception.

The Cygnus Law Enforcement Group is comprised of the properties of Cygnus Business Media dedicated to law enforcement. These include *Law Enforcement Technology* and *Law Enforcement Product News* magazines, Officer.com, and Enforcement Expo.

The winners of this year's Innovation awards are:

Category: Communications

EHS Inc VIDMIC

Description: The VIDMIC is a revolutionary data acquisition system which goes everywhere the officer goes and records important information at any time. A full color digital video recorder, still photo camera, and digital audio recorder are all housed in a fully functioning shoulder mic. Because officers already use shoulder mics, there is no need for them to add additional equipment to their already overburdened utility belts in order to have video and audio recording capabilities.

The contributions of video technologies to successful police work are well documented. In-car video has been shown to reduce frivolous lawsuits and increase the likelihood of successful prosecution. At the same time, video enhances officer safety, training, performance, and professionalism. Video reduces time spent writing reports and protects officers from false allegations.

But in-car video can't go with the officer up to the door, inside an apartment, down the narrow alley or into a backyard. It can't prove the officer had permission to search a house, had probable cause to do a sobriety test, and did, in fact, Mirandize a subject. For all the outstanding advantages of in-car video, the VIDMIC will provide even greater, far reaching benefits for officers and police work.



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Category: Corrections
Omnilink
Focalpoint

Description: Omnilink's Focalpoint provides accurate, reliable, and efficient information to effectively control, manage, and protect people and valuable assets when it matters.

The Focalpoint solution consists of a single unit device that is 100% waterproof and has the longest battery life in the industry. The device works in the most impaired environments where traditional GPS devices do not work. The solution is very easy to use as there are no special tools required to deploy, and the single unit can be remotely configured on the fly for different degrees of monitoring intensity, ensuring that users can respond to alerts in a timely fashion, ensuring optimum public safety and vital asset protection. Omnilink's precision algorithms provide for the most accurate location information in the industry that does not suffer from the drift issues typical of GPS based solutions.

Omnilink's Focalpoint application provides an industry-first mobile zone capability that makes it possible to create a safety zone around the person through the use of commercial cell phones, and be able to detect if an offender is within proximity of this person, anywhere the person is at anytime.



Category: Firearms Accessories
U.S. Tactical Supply
Grip Pod

Description: The Grip Pod System(tm) (GPS(tm)) is a revolutionary new vertical fore-grip integrated with a strong and stable bipod. The Grip Pod's legs deploy at the push of a button--instantly! The GPS(tm) is manufactured from aerospace materials to exceed military specifications for construction and finish. It mounts directly to Picatinny rail systems.

Using the Grip Pod System(tm), an operator can go from a CQB position to a prone, and have a stable base for aimed firing in place before hitting the ground!

The GPS(tm) is currently in worldwide use with select Special Forces units including: U.S. Navy SEALs and EOD, U.S. Army, U.S. Army Special Forces and Designated Marksmen, Secret Security, USMC, U.S. SOCOM, FBI HRT, state and federal law enforcement.



Category: Hazmat/WMD
Morphix Technologies
Chameleon Clan-Meth Lab Detection Kit

Description: "Meth labs", used to make the illegal drug methamphetamine, turn up in houses, motel rooms, trailers and even motor vehicles, largely due to the fact that the chemicals needed to produce methamphetamine are easily accessible and may be purchased legally. However, according to Oklahoma Bureau of Narcotics and Dangerous Drugs, "many of the contaminants used in meth labs can be harmful if people are exposed. Health problems may include breathing problems or respiratory irritation, skin and eye irritation, headaches, nausea and dizziness. High exposures, even for a short time, can cause death or severe lung damage and skin or throat burns."

Morphix Technologies, an innovator in the field of color change technology, has developed the Chameleon Clan-Meth Lab Detection Kit for the detection of hazardous chemicals used in the production of methamphetamine. The Chameleon is field-configurable chemical detection that provides a low-cost, easy-to-use, hands free, accurate solution for law enforcement personnel and first responders. The rugged design allows for use under harsh environmental conditions including arctic, tropic and desert conditions. The Chameleon can even be immersed in water! Unlike other available colorimetric technologies, the Chameleon detects chemical hazards in the air and does not require a liquid sample.



Category: Security
Mustang Survival
Rescue Stick

Description: Incredibly easy to use, the Rescue Stick provides rapid flotation assistance to a person at risk of drowning. Simply remove the baton-shaped Rescue Stick from its waterproof bag and throw near the person. Once contact is made with the water it inflates in seconds to a large horseshoe shape keeping them afloat and their head above water until help arrives.

The Rescue Stick is an invaluable tool to provide rapid flotation for emergency response and rescue professionals arriving first on the scene. During a water rescue it can be thrown to the victim to keep them afloat.



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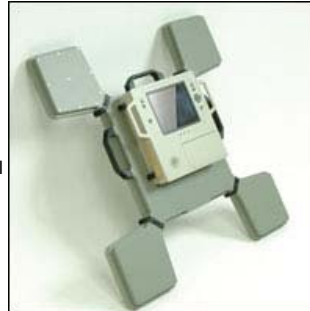
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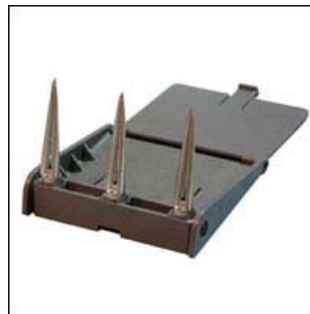
- Can be thrown accurately 100 feet or further
- Automatically inflates in seconds when immersed in water providing rapid emergency floatation
- Offers 35 lb. of buoyancy- twice the flotation of a typical life jacket
- Easy to repack and reuse--insert a new bobbin and screw in the replacement handle containing the CO2 cylinder
- Store in a waterproof bag
- Compact and weighs about 1lb.--it is easily stowed and is accessible when needed
- Extremely easy to use--anyone who can throw a stick can use it

Category: Surveillance
CAMERO
XAVER 800



Description: Camero has developed a first of its kind Through-Wall Imaging system, the Xaver 800. The Xaver 800's unique capabilities allow operatives ranging from first-responders to military personnel to complete life-saving operations while minimizing risk to their own lives during these operations. The Xaver 800 provides intuitive 3D video images of stationary and mobile objects behind walls. Users can now make operational decisions with situation awareness of the environment that they previously could not "see." This situation awareness includes the layout of the room, how many people are present, where they are situated, and what they are doing. The Xaver 800 has innovations in the antenna, transceiver, signal processing & image processing to overcome myriad technology challenges. Xaver 800 uses FCC-compliant Ultra-Wideband RF signals to penetrate wall materials including cement, plaster, brick, reinforced concrete and wood. Ease of use comes from "one button" operation. Camero began delivering Xaver 800 systems Feb 1, 2007 to leading military and law enforcement customers worldwide for evaluation, field testing and deployment. The product is designed to MIL-STD-810 for durability. High reliability is achieved through a combination of design standards and the absence of any internal moving parts.

Category: Traffic Enforcement
Phoenix International/ Magnum Spike
MagnumClaw!



Description: This new product was developed at the request of end users. It prevents chases before they can begin by placing the MagnumClaw! under the tire of a suspect vehicle pulled over for questioning. The pocket-size trio of Magnum spikes placed under a stationary vehicle's tires deflates the tire if the vehicle moves. The spikes are released into the tire from the MagnumClaw! penetrating and deflating the tire, preventing the driver from fleeing and initiating a high-speed chase. The disposable MagnumClaw! will totally deflate the tires helping law enforcement to contain and control what could otherwise turn into a potentially dangerous situation.

Category: Uniforms & Body Armor
Point Blank Body Armor
Rapid Deployment Armor Bag



Description: According to an equipment reviewer for Officer.com, "In today's world of Active Shooter/Immediate Response training, every cop should have their long rifle in one of these Rapid Deployment Body Armor Bags. This is the single most innovative piece of equipment I've seen in the past ten years if not longer." This patent pending product instantly converts from a multi-purpose weapon carrying case to a tactical body armor vest with up to NIJ Level IV protection. In one piece of equipment, the officer can arrive on the scene of an active shooter and have split-second access to their rifle and pistol ammunition, flex cuffs, and soft armor with optional hard plates for torso, back and lower abdomen protection. The bag also features a flashlight pouch, attachments for a gas mask and medical kit, and police markings. It's everything an officer needs, when they need it. As simple as unzipping a bag, as easy as wearing your ballistic vest. The RDAB is constructed from exceptionally strong 1000 denier Cordura, for long lasting

durability.

The Rapid Deployment Armor Bag is as reliable and dependable as the men and women who wear it.

Category: Vehicles

T3 Motion

T3 Series

Description: The T3 Series is a three-wheel front-wheel drive standup electric personal mobility vehicle. It is designed and developed as a professional tool to address the needs of law enforcement patrol, campus policing, community policing, airports, military base security, mall security, patrolling of parks and beaches, as well as private security and private industry.

The zero gas emission electric motor costs only pennies a day to operate.

The T3 utilizes high-intensity LED lighting for its vertically-adjustable headlights, taillights, and emergency lights.

The T3 enables the operator to respond to calls for service rapidly with low physical exertion. The elevated riding platform allows 360-degree visibility while the ergonomic riding position reduces fatigue. The T3 provides a stable ride on a variety of surfaces and the zero-degree turning radius makes it highly-maneuverable. Simple and intuitive to drive, it is agile yet stable at both low and high speeds up to 25 miles per hour.

The T3 has user-replaceable power modules allowing continuous operation without re-charging down time. The T3 comes standard with a lockable storage compartment for equipment.

The T3 is perfectly suited for enforcement operations in parking lots, parking structures, inside large commercial buildings, around building perimeters, as well as sidewalks and roadways connecting those areas. The elevated platform of the T3 enables the officer to see above parked vehicles in a discrete observation position. The operator can effectively patrol a larger area than an officer on foot or riding a bicycle. The elevated platform of the T3 allows the officer to safely and quickly maneuver in crowded pedestrian areas. The design of the T3 lends itself to interaction between the officer and the public.



Category: Software

SpeechGear, Inc

Compadre Instant Translation Suite

Description: SpeechGear's Compadre(tm) product suite removes any language barrier between officers and the public for which they serve by instantly translating anything you say, hear, see, read, write or type. The product line was initially developed for the military, and is currently being used in the Middle East and Korea. With the new product release, Compadre is now available to law enforcement agencies throughout the United States. Compadre can be used in the squad car to provide officers with the ability to easily communicate, either verbally or written, with individuals who do not speak English. Likewise, at the headquarters and dispatch locations, the software enables multi-lingual communications without the need for an interpreter. Independent testing, evaluation and field-trials have validated Compadre's innovative approach to removing the language barrier and ease-of-use. For example, the Advisory Council of the National Institute of Justice stated, "This technology is excellent, versatile and well designed;" and the Marine Corps evaluation report states, "In my view as a trained linguist, this is a quantum leap in technology. The ability to translate free speech is incredible (something I personally did not see happening for many years, if ever). This product is a crown jewel of machine translation."



Category: Tactical

UltraVision

MicroDetector

Description: The MicroDetector(tm) from UltraVision is an innovative portable motion detection system designed to increase the personal safety of police officers, military personnel, and others involved in tactical field situations. Weighing only 8 oz., MicroDetector is a small, battery operated sensor that creates a spherical detection field of



up to 25 feet. The Sensor may be placed or thrown to a desired location and motion may be detected even through light walls or when MicroDetector is buried under a few inches of soil. Detected motion is reported wirelessly to a receiver which can be interfaced to a hand held PDA, laptop or police radio. The receiver can monitor an unlimited number of MicroDetectors and the receiver monitors the status of every Sensor during operational exercises. Each Sensor is encased in a durable, water resistant housing with four Sensors to a case that also doubles as the battery charger. Battery life is 24 hours continuous, 48 hours using Power-Save Mode.

Category: Training Advanced Interactive Systems QuickRange



Description: QuickRange is a complete, pre-engineered, prefabricated shooting range that can be delivered to your location ready to use. QuickRange eliminates the problems associated with building a traditional brick & mortar shooting range. It is the ideal solution for military, law enforcement firearm training requirements, and gun enthusiasts everywhere.

Each QuickRange is a self contained two-lane shooting range in a bulletproof module. It comes complete with shooting stalls, target-retrieval systems, bullet traps, lightning and HVAC system. QuickRange is available in 40-, 60-, 80-, 100-, and 120-foot lengths and is customizable for added style and convenience. Designed for expansion, the QuickRange is configurable to meet your requirements. Best of all, with QuickRange, everything is ready to go, right out of the box. We deliver it and you use it...Just like that. No major construction or difficult preparations.

QuickRange is handcrafted to the highest specifications and delivered fully assembled. Because of its customizable size, you can put it almost anywhere. All safety noise reduction and air-quality requirements are met and exceeded in every QuickRange, through the use of anechoic foam and EPA/OSHA compliant HVAC systems with HEPA filtration. Safe, comfortable, reliable and quiet, are right on target in every model. No problems, no surprises.

Category: Vehicle Accessories Protective Products Intl/Ford Ford Ballistic Door Panels



Description: At Protective Products International we have made it our mission to provide innovative products dedicated to ensuring the safety of law enforcement professionals. Together with Ford Motor Company we have developed a product that will ultimately save lives. We are proud to offer America's first Ford factory installed Covert Ballistic Door Panel.

Specifically developed for the Crown Victoria Police Interceptor, our Ballistic Door Panels offer a level of protection that is unmatched in the industry. The panels are certified to stop all NIJ level 3A handgun rounds and most NIJ level 3 rifle rounds. Shoot tested at 16 feet and rigorously tested for multi-hit protection, our panels are designed to provide cover during real life on-duty encounters. Our panels can be ordered as a standard Ford option and are installed by Ford at the Factory. Ballistic panels can also be ordered as an aftermarket product from Protective Products International. As the door panels come with a six year ballistic warranty and can be easily switched between Crown Victoria Police Interceptors, a single set of panels will typically meet the departmental usage demands of two Crown Victoria's. Six Years of product development has culminated in the creation of a product committed to officer safety.

Category: Firearms Smith & Wesson M&P 40



Description: For durability, the M&P features a Zytel polymer frame reinforced with a rigid stainless steel chassis and a through-hardened Black Melonite stainless steel barrel and slide, giving the pistol a surface hard enough to sharpen a steel blade. Along with a new-age trigger system featuring a smooth 6.4 lb trigger pull and an advanced ergonomic design that features an 18-degree grip angle for

natural aiming, the M&P has a combination of features that provides reduced felt recoil resulting in unparalleled shootability. The M&P pistol incorporates a number of unique features: three easily interchangeable palmswell grip sizes for various hand sizes, an ambidextrous slide slope, reversible magazine catch and an enlarged trigger guard to accommodate gloved hands. With a Picatinny-style equipment rail incorporated for tactical lights and lasers, dovetail mount front sights, steel Novak Lo-mount carry rear sights (or Tritium sights), the M&P has it all, yet weighs only 24.25 ounces.

Category: Forensics

Subrosasoft MacLock Pick

Description: MacLockPick is a live forensics tool for extracting passwords, Internet history, and system settings from a suspect's Mac OS X computer.

MacLockPick is an indispensable tool for law enforcement professionals to perform live forensics on Mac OS X systems. The easy-to-use solution is based on a USB flash drive that can be inserted into a suspect's Mac OS X computer that is running (or sleeping). Once the MacLockPick software is run it will extract data from the Apple Keychain and system settings to provide the examiner fast access to the suspect's critical information with as little interaction or trace as possible.

A database of the suspect's information is compiled on the flash drive to allow for easy transportation away from the suspect's system. This database can be read by the included log readers on Microsoft Windows, Linux, or Apple Mac OS X computers back at base.

The following is a list of file items that can be extracted using SubRosaSoft's MacLockPick:

- Apple Keychain passwords such as user password, Internet login password, wifi, AppleShare, and more.
- Files and Folder details such as creation modification, and the most recently accessed dates, recently accessed disk images, pictures, movies, applications and documents.
- Instant Messaging details such as password for iChat and complete buddy list - including buddies who have since been deleted.
- E-mail account details such as login names and server addresses used, address book, and the date and time of opened attachments.
- Web History and Preferences such as current and cached bookmarks, recently searched strings, cookies, and browsing history.
- Hardware Preferences such as serial numbers of connected iPods, hardware address of recently connected bluetooth devices, listings for wi-fi base stations, and MAC address for each integrated network interface on the suspect's machine.



Category: Less-lethal

TASER International TASER CAM

Description: TASER International has added another layer of accountability with our revolutionary TASER CAM(tm) system which provides audio/visual MPEG 4 video of any TASER® X26 activation. The TASER CAM offers increased accountability--not just for officers, but for the communities they serve. Until now, it's been the officer's word against the suspect's word. With the innovative TASER CAM, the truth is undeniable by providing an MPEG 4 recording of every potential TASER X26 deployment--even in zero light conditions. An IACP study found that when video of an incident was available, the video exonerated officers of allegations 96% of the time.

TASER CAM installs in seconds by simply replacing any TASER X26 digital power magazine (DPM) and requires no tools. The TASER CAM activates whenever the safety is in the off position allowing officers to capture vital information prior to, during and after the potential deployment of a TASER X26 device. The recording is downloaded to a computer via a USB cable and saved in a searchable library. The TASER CAM recorder is an optional upgrade compatible with all TASER X26 devices and provides a proactive layer of accountability to support officers' reports.

TASER CAM: "The Truth is Undeniable."



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