

JHSR looks at the latest emerging technologies

Elisra of Israel is introducing a new thermal imaging concept for the protection of civilian aircraft against missiles. G-Force creates a ground-based 'protection-umbrella' for the airport, protecting aircraft during take-off and landing. The system is designed to detect the threat, locate the missile continuously, and inte-

grate with active countermeasures to thwart the attack.

G-Force can also be deployed in other highly sensitive areas, such as energy installations, and is based on Elisra's PAWS-MAWS technology. PAWS is Elisra's family of operationally deployed staring IR Missile Approach Warning Systems.

GForce creates a ground based protection umbrella.



Crisis information management specialist **ESi**® has released its ContinuityPlanner™ software for emergency planning. Continuity of government is the principle of establishing defined procedures that enable government agencies to continue essential operations in case of catastrophic events. ContinuityPlanner is a stand-alone software tool that enables federal, state, and local government planners to design customised and flexible continuity of government and continuity of operations (COOP) plans that can be used and shared during an exercise or crisis situation with an unlimited number of recipients.

ESi ContinuityPlanner is based on an over 20-year industry standard in continuity planning, the Living Disaster Recovery Planning System® (LDRPS®) from SunGard Availability Services®. Planners use federal guideline-compliant templates to build as many plans as needed, covering response, resumption, recovery, crisis management, and COOP, as well as scenario-based plans. ESi ContinuityPlanner then integrates

these plans into a cohesive continuity and recovery programme.

The software uses a relational database that enables updates and edits to take effect throughout the entire plan. Plan libraries enable planners to select items to be repeated whenever referenced in the plan, rather than adding them each time. It can identify each gap created when an employee changes responsibilities or leaves an organisation.

Avon Protection Systems recently launched its NIOSH certified CBRN Air Purifying Escape Respirator, the NH15 Escape Hood. The NH15 is designed to provide instant protection in a CBRN incident and is specifically intended for police, emergency medical services and fire offices. It has a five year shelf life, giving the user a high level of respiratory, eye and face protection for a minimum of 15 minutes, allowing time to evacuate contaminated areas. Made of clear material, the NH15 protects against airborne CBRN threats and also protects the face from liquid agent splashes.

Lightstep Ltd used New York as the venue for its global product launch of emergency evacuation systems. The system comprises the directional floor Pathfinder and wall mounted Hall Finder low level systems, the door illumination Door Finder, through to the exit confirmation system Exit Finder which illuminates the flooring with messages from the company's patented LED projection system, and Stairfinder - a hard wired stair nosing which is designed to illuminate stairwells in the event of a planned or unplanned evacuation. The systems are situation sensitive and reactive. If it is guiding towards a door which has a developing danger situation beyond the door, it will change the direction of the Lightstep pathing to avoid that danger. If an area of the system becomes damaged by the emergency, the rest of the system can continue unaffected. First responders can gain access to the situation information by an external portal or wifi connection while on the way to the scene. They can make decisions to override the system. For example in stairwells, they can decide to re-direct the flow of escapees to allow them to make a stairwell available to the rescue services. The range can be designed or specified into new buildings or retrofitted to existing buildings.

The new T-STAMP from **CONTROP** is a camera payload system suitable for UAVs, helicopters and other aircraft. Weighing less than 3kg, the T-STAMP includes an IR cooled (or uncooled) thermal imaging camera with a continuous zoom lens, a CCD TV camera with continuous optical zoom lens and a laser pointer. It can be used for day and night observation for law enforcement or military applications, as well as support for flight tasks or aircraft navigation.

Phonak Communications has launched a full duplex encrypted wireless system. The Condor system is a license-free all-in-one communication system comprising a palm-sized radio unit, under-the-shirt wiring, and the user's choice of Phonak headsets.

Condor assists small teams of mobile professionals by allowing up to six colleagues to communicate in full duplex mode (simultaneously talking and listening), and additional colleagues can also listen in via the same closed network; all over a secure encrypted channel. Condor does not require connection to a base station and it utilises only free-to-use frequencies. It can be supplied as a covert or overt system.

Smiths Detection has developed a new model for its Lightweight Chemical Detector series, the LCD 3.3, an individual hazardous vapour warning device. The new detector offers real-time, nerve, blood, blister and choking agent detection at, or immediately below, dangerous concentration levels.

The company also announces the worldwide launch of its HazMatID Ranger following its introduction in the US last May. The handheld chemical identifier is specifically designed for diverse field applications requiring broad portability. The system features single-handed operation and can also be used in tandem by two responders by detaching and operating its PDA computer and utilising Bluetooth connectivity.

Results can be transmitted to an external laptop for integration with test results performed by other Smiths Detection equipment.

As with the existing HazMatID, the Ranger can identify over 32,000 unknown solids or liquids including: white powders, WMDs, explosives, common and toxic industrial chemicals.



Smiths Detection's new Lightweight Chemical Detector