

Personnel Safety

with  **Sentinel**

Sentinel provides staff security and peace of mind in Israel's largest medical center



Tel Hashomer Hospital, Tel Aviv, Israel

"Our vision is to develop the ultimate security "solution" informing us in real-time what staff and which equipment is where and when ... We believe Sentinel is the best solution to date."

Mr. Eli Miterani, Security Manager

Start Date	December 1997
Customer	Tel Hashomer Hospital, Tel Aviv, Israel
Contacts	Mr. Eli Miterani, Security Manager - Tel Hashomer Hospital Mr. Elchanan Hacoheh, VP Logistics - Tel Hashomer Hospital Dr. Orna Dolberg, Clinic Manager - Tel Hashomer Hospital
Solution	Sentinel Security, powered by EIRIS™ Local Positioning System
System	Windows NT Echelon LONWORKS™ network

The Challenge

The Sheba Medical Center - Tel Hashomer is Israel's largest healthcare and research complex, with over 1,700 beds and 700 clinics spread over 150 acres. Some 4,700 staff members service over one million patients a year. The center embodies all the disciplines of modern medicine and in tandem promotes increased contact between the patient and hospital staff.

Unconfined patient-staff contact is apparent in the psychiatric day care center, where some 60 to 100 patients

receive daily treatment. Although management encourages unobtrusive patient contact, it also recognizes the need for aggression management to secure its staff from imminent dangers. Psychiatric ward personnel were vulnerable to extreme patient demands and at times felt threatened by their presence. Management wanted a system that would concurrently increase staff security and peace of mind, as well as contend with the geographical distance between the center and security.

The Solution

As soon as Tel Hashomer's psychiatric personnel feel threatened, a security alert can be activated by pressing a reverse side push button on an individualized ELPAS Infra-red badge. The security headquarters, situated 750 meters away, is alerted about the imminent danger and is also informed who is seeking aid, when and in which room.

Furthermore, if the person is moving between rooms, the system instantly updates Security where they are heading within the building ensuring that the threatened staff member is instantly located and provided with security backup in seconds.

Ironically, a patient attempting to commit suicide was saved, thanks to Sentinel Security; a nurse who detected the attempt pressed the ELPAS badge to alert security. Headquarters immediately pinpointed the nurse's location on their screen and alerted nearby guards. Guided by the Security's communication system, they reached the patient within seconds and saved his life.



Sentinel's Alert Screen

How Sentinel works:

Tel Hashomer installed ELPAS Readers (RDRs) in clinic rooms and main entrances. Each staff member was issued a personalized badge with a push button that transmits Infra-Red (IR) signals.

These signals are processed, and then transmitted over a network to an NT server. The Sentinel software displays real-time information, and also stores event data into an historical log file, for retrieval in reports. Multiple events can be handled simultaneously.

The interoperable Sentinel solution is connected to the hospital's systems via the Echelon LONWORKS network--which is characterized by its easy-to-connect, multi-drop installation and interoperability.



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"The Sentinel Security Personnel Alert solution provided real-time security and even helped to save human life." ...
Mr. Eli Miterani, Security Manager

" We sought an effective aggression management solution that would provide peace of mind to our staff members. The knowledge that security can be summoned in seconds, restored a worry-free work environment in our clinic." ...
Dr. Orna Dolberg, Clinic Manager

Recognized Benefits

- The Sentinel system yields ROI (Return On Investment) in four months, a highly cost effective option compared to security guard recruitment.
- Staff can enjoy peace of mind knowing that Security staff can be summoned in seconds.
- Help can be directed to the victim's exact location even when the person is in transit within the premises, a clear advantage over human security personnel who cannot always detect the victim's position in real-time.
- Sentinel Reports supply management with information on past and potential security threats.
- Sentinel, powered by EIRIS™, delivers interoperable solutions allowing for future system integration with other standardized LONMARK systems.

About ELPAS Ltd.

ELPAS LTD. - Local Positioning Systems (LPS), established in 1995, is a worldwide leading designer, manufacturer and marketer of automated Asset Tracking and Asset Management solutions based on its patented IRFID™ (IR & RF Identification) technology. Industries targeted are healthcare, intelligent buildings and industrial environments where indoor location and identification of equipment and people are critical to improve business security, communication and operations.

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