

# EIRIS™ LPS integrated with Ascom Pagers



"Integrating EIRIS™ into our everyday operations allows me, to demonstrate to residents' families how much time our nursing and general staff invest in their loved ones and how fast we respond to stress calls."



Micha Kaufman, Executive Director

## Sikna Assisted Living, Zurich, Switzerland



"The EIRIS™ system combined with Ascom's pager system allows both staff and residents full mobility. There is no need for staff to be confined to a specific area. We receive stress calls as we are on the move."

Rosmarie Mathys, Head Nurse



<b>Start Date</b>	August, 2001
<b>System Integrator</b>	Dantronic AG, Wireless Division, Wetzikon/Zurich
<b>Contact</b>	Micha Kaufman
<b>Solution</b>	Wandering Patients, Nurse Call, Resident Location, Reports Management
<b>System</b>	Sentinel, EIRIS™ Local Positioning Systems, Ascom Pager System, Echelon LONWORKS Network, Windows 2000

"The great thing about EIRIS™ is its plug and drop open architecture that makes it easy to install and operate and enables simple integration with other systems such as the Ascom pager system."

Daniel Assaf, Managing Director, Dantronic AG



## The Challenge

The Sikna Assisted Living, in Switzerland is a four-story facility, with about 90 residents, out of which a limited number are Alzheimer residents. When management was looking to refurbish the facility they faced a number of requirements. First, they were looking to get away from the traditional nurse call system and allow residents to be able to call for assistance from anywhere in the facility. Secondly, management sought for a way to notify staff

when wandering patients enter a predefined unsafe zone. At the same time, there was a need to eliminate time and resources spent on having a staff member located at a nurse call station at all times. Finally, they wanted to get away from a traditional assisted living image and install a seamless system that is not intimidating to both residents and staff.

# The Solution

ELPAS' EIRIS™ LPS system together with Ascom's pager system provided the answer. The combined system installed at the Sikna Assisted Living generates a call whenever the reverse side push button on an individualized ELPAS IRFID™ badge is pressed, and instantly sends a personal page to the staff members with exact information about the location, time and resident involved.

- **Wandering residents:** The system is programmed to alert when residents are wandering into predefined unsafe areas, thus increasing residents' safety.
- **Nurse call:** Residents can call for assistance by simply pressing a button on a personal badge they hold.
- **Resident location:** EIRIS™ system keeps track of residents' exact location, thus enabling the staff to locate and serve residents faster.
- **Reports Management:** The system's entire communication and events history is logged into one database. Using a report generator and SQL database, various reports can be generated.

## How the EIRIS™ and Ascom Paging System Works:



Sikna Assisted Living installed EIRIS™ readers (RDRs) in defined areas within the hospital site. The RDRs pick up IRFID™ (IR & RF technology) signals from the badges and transmit them to a network NT server. The EIRIS™ Client software graphically displays the residents' accurate real-time location at all times on a computer monitor. Moreover, the system stores all events information into an historical log file.

## How the Nurse Communication Works

- When a resident presses the reverse side button on the badge, a stress call is generated
- The nurse receives a message to a personal pager with the identification and location.
- At the same time, the event will be displayed on a nurse call station monitor and will be logged into a database.
- As the nurse reaches the event's location, and presses the cancellation button on her tag, the alert is cancelled.
- In case of need for additional assistance, nurses can press their tags for help and generate an emergency call.

## Recognized Benefits

- Allows full mobility for both staff and residents
- Nursing staff receive a notification of wandering patients that are in an unsafe zone
- Locates residents instantly, and identifies their exact location in real-time
- Event reports enable management with information on past and potential security threats

## 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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