Solution Overview:

Arial® Emergency Call and Wander Management

Wireless Emergency Call with Built-In Wander Management Capability and Support for Consolidated Event Management

Challenges

Senior living communities are focused on providing person-centered care and services that support independence and well-being. Prompt response to a request for assistance—even when it isn’t an emergency—is essential for residents to feel safe and valued, and have the confidence to move about freely in the community. Assisted living communities also increasingly care for residents who may be at risk of wandering, and these residents must also be kept safe.

At the same time, staff members require actionable information to do their jobs efficiently, and respond to a resident quickly and with knowledge of the situation. Sound alarms, or information available only at a nursing station, require caregivers to take extra steps that waste valuable time and reduce resident satisfaction.

Administrators are challenged with documenting response times to resident calls for help, and understanding the changing needs of individual residents. They need to be able to quickly generate reports for compliance requirements, family discussions and the development of care plans.

Finally, senior living communities must maximize the life of the infrastructure already in place, while bringing dated systems up to current standards. They require technology that can leverage and integrate what is already in place, and provide a central point for managing multiple systems.

Solution

The Arial Wireless Emergency Call solution delivers improved safety and efficiency across your community. In addition to providing nurse call functionality and portable pendants for Emergency Call, the solution offers built-in wander management capability leveraging STANLEY Healthcare’s proven wander management technology. Arial is a full life safety and security platform for senior living, offering fire alarm panel integration for secondary reporting of fire alarms, as well as integrating other facility management and building automation systems. The solution provides multiple options for staff notification—pushing event information to staff—as well as detailed reports for administrators to measure and improve performance.

Benefits

- Increased safety for all residents
- Increased staff efficiency
- Easier compliance reporting and resident planning
- Reduced capital expenditures by leveraging existing systems

"It’s for the safety and security of our residents. They know that if they push that button, that call is going to go out to multiple levels of staff who could all respond to their needs."

- Gateway Vista Senior Living, Lincoln, NE
Arial is part of STANLEY Healthcare’s suite of senior living solutions. Each is specifically designed to enable a safe and secure environment, support resident independence, and enhance productivity and efficiency across your community. Applications include emergency call, wander management, fall management, patient safety monitoring, and wireless solutions to locate residents, staff and equipment and monitor temperature and humidity.

**How It Works**

The solution combines wireless fixed call stations with portable pendants to enable residents to call for help from anywhere in the community. When a resident activates a call point or pendant, a signal is sent to the server computer over the wireless network.

Arial provides built-in wander management capability. With this application, residents deemed at risk of wandering wear a small and discreet bracelet, and exits are monitored by door devices. When a resident approaches a monitored exit, the door can either be locked to prevent egress or an alarm can be generated in the Arial software.

Alarm information is shown in intuitive software, with the location, resident name and the time. Location is also displayed on a customized map of the community. Staff members can also be kept fully informed on events through a variety of means: IP phones, pagers, scrolling signs, dome lights, e-mail and text messages.

Once the alarm is cleared, the event is recorded in an industry-standard SQL database. A comprehensive reporting program enables users to generate customized, detailed reports and have them automatically generated and e-mailed on a regular schedule. Administrators can track response times, changing resident behavior and staffing patterns.

In addition to distress alerts, the solution offers a Daily Check-In feature built into the unique STANLEY call station for residents to indicate that they are OK. If this does not happen, an alert is generated in the software and sent to notification devices.

The Arial solution enables consolidated event management from a variety of devices and systems. The solution supports integration of most fire alarm panels for secondary reporting of fire alarms in the Arial software and on mobile devices. This enables staff to quickly organize and safely conduct an evacuation of residents during fire emergencies. Arial directly monitors smoke detectors and temperature/humidity sensors, and can integrate alerts from a range of existing equipment such as access control systems, intrusion alarm panels and other building automation systems.

Arial can also integrate nurse call infrastructure already in place—including both wireless and hard-wired nurse call systems—thus leveraging your previous investments. Finally, the solution can report events from fall monitors to immediately alert caregivers of potentially unsafe bed movement.
Solution Highlights

- Wireless infrastructure for easy installation and expansion
- Built-in wander management capability
- Multiple call point options, including portable pendants, and call stations for resident rooms, bathrooms and common areas
- Consolidated event management of multiple systems: fire panel, access control, existing nurse call equipment, fall management and more
- Event notification via IP phones, pagers, scrolling signs, e-mail, and text message
- Powerful reports on response times and other activity for insight into your community
- Scalable IT platform, with true client/server structure, SQL database and central management of user accounts (LDAP)

Component Overview

Portable Pendant
The pendant enables residents to call for help from anywhere in the community by pressing the large button on the front. It is water-resistant and can be worn on a necklace, belt, or wristband.

Call Stations
Two wireless fixed call stations are offered. The Call Station with Reset is designed for use in resident rooms or common areas, with residents able to call for help via a large push-button, a pull cord, or an optional remote push-button. The Water Resistant Call Station is ideal for bathrooms, and features a push button and optional pull cord. The system also integrates with smoke detectors, door/window transmitters, passive infrared detectors, and other monitoring devices.

Messaging Devices
The solution can integrate a wide variety of messaging devices, including Ascom and Spectralink IP phones, pagers, dome lights, and scrolling signs.
Wander Management
The wander management application consists of resident bracelets attached with a band, door monitors with an antenna and keypads for staff members to bypass the door to escort a monitored resident.

Network Infrastructure
The solution requires minimal infrastructure. Key components include the Network Coordinator, which acts as the interface between the wireless network and the server computer, and Repeaters which enable locating of pendant alarms.

Server
The Server computer receives alarm and status signals from pendants, call stations and other devices, processes this information, and relays it to Client computers and messaging devices such as IP phones, pagers and display signs. The Server also stores the database of system activity. Note that the Server can also act as a client, displaying the Arial software for day-to-day tasks.

Clients
Optional client computers display the Arial software for managing alarms, monitoring system activity and running reports. The software features a visually driven user interface, with alarm information automatically highlighted. The interface can be tailored to each user, so that staff members only see the information they need to do their jobs, while administrators can have full access to run reports and change system settings.

About STANLEY Healthcare
STANLEY Healthcare provides over 5,000 acute care hospitals and 12,000 long-term care organizations with enterprise solutions that transform safety, security and operational efficiency. The STANLEY Healthcare solution set enables customers to achieve organizational excellence and superior care in five critical areas: Patient Safety, Security & Protection, Environmental Monitoring, Clinical Operations & Workflow and Supply Chain & Asset Management. These solutions are complemented by consulting, training, implementation and integration services. STANLEY Healthcare is proud to be part of Stanley Black & Decker, Inc. For more information, visit www.stanleyhealthcare.com.