Solution Overview:

Arial® 10.1 Emergency Call and Wander Management

A Powerful Platform for Centralized Event Management, Notification and Reporting

Challenges

In order to provide high-quality care, senior living communities must ensure the safety and security of their residents at all times—particularly those who may be at risk of wandering. To maximize independence, residents need a simple convenient way to request caregiver assistance.

From a caregivers’ perspective, they need actionable information in order to respond to emergency call alarms in a timely manner, document resident encounters and communicate with co-workers on an ongoing basis. Additionally, administrators require the ability to generate reports for compliance requirements, family discussions and the development of resident care plans.

Solution

STANLEY Healthcare’s Arial 10.1 Events Management, Notification and Reporting Platform provides powerful information about your community to help keep residents safe and secure, and provide high-quality care.

In addition to its robust Emergency Call functionality, the platform also offers built-in Wander Management capability to provide residents who are prone to wandering with increased independence. Its powerful management dashboards, web-based reports and convenient mobile app enable caregivers and administrators to measure and improve performance on an ongoing basis.

How It Works

The Arial 10.1 platform can leverage a community’s existing Wi-Fi network or be deployed as a turnkey installation. It combines a Call Station and Pendant to enable residents to easily call for help from anywhere in the community. In addition to all existing Arial call stations, pendants and transmitters, Arial 10.1 can support newly designed Wi-Fi Call Stations and Pendants as part of a Wi-Fi deployed system. When a resident activates a call point or pendant, a signal is sent to the server computer over the wireless network. It also provides built-in wander management capability.

Benefits

- Compatible with new Arial Mobile App, an innovative alarm handling and messaging tool for caregivers
- Can leverage investments in existing Wi-Fi networks for lower total cost of ownership
- Accurate location reporting with customizable, defined location zones
- Newly designed Wi-Fi Emergency Call Station and Resident Pendant available with Wi-Fi deployments

Beckey Hjaltalin
Director of Wellness
ABHOW – Judson Park

The app makes it easier for the caregiver to effectively respond to resident calls. We are able to anticipate and meet resident needs while improving resident safety and satisfaction.”
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.

In addition to distress alerts, the solution offers a daily check-in feature built into the unique STANLEY call station for residents to indicate they are okay. 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, including:

- Motion Detectors
- Smoke Detectors
- Door and Window Sensors
- Temperature and Humidity Monitors
- Glass Break Sensors
- Fall Monitors

Arial can also integrate nurse call infrastructure already in place—including both wireless and hard-wired nurse call systems—thus leveraging your previous investments.

Solution Highlights

- Compatible with the Arial Mobile App, an innovative alarm handling and messaging tool
- Can leverage investments in existing Wi-Fi networks for lower total cost of ownership
- Fully supervised device communication over multiple wireless mesh and Wi-Fi networks
- 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, wired nurse call equipment, fall management and more
- Event notification via IP phones, pagers, scrolling signs, e-mail, and text message
Newly Designed Wi-Fi Pendant
The Wi-Fi pendant enables residents to call for help from anywhere in the community by simply pressing a button. It’s water resistant with LED and buzzer indications and a 12 month battery life.

Newly Designed Wi-Fi Call Station
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.

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.

UL1069 Integration
The Arial solution can be integrated with a UL1069 nurse call system to provide advanced event management, notification and reporting capabilities to meet the regulatory requirements for Skilled Nursing facilities, while leveraging the extended benefits of a wireless emergency call system to better serve Assisted Living residents and improve overall community staff operations and efficiency.

Fire Panel Integration
The Arial solution includes the ability to integrate to Fire Panels. Fire alarm messages can be received from the Fire Panel, and then notification messages can be sent to staff through Arial to pagers, SpectraLink phones, signs, texts, e-mails or the Arial Mobile App. Fire alarm locations can also be configured to display on the Arial maps.

Messaging Devices
The solution can integrate a wide variety of messaging devices, including Ascom and Spectralink IP phones, pagers, dome lights, scrolling signs, and the Arial Mobile App.
Additional Components

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. Arial can also operate over an existing Wi-Fi network.

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.

Many Wireless Transmitter Options
The Arial solution can include many optional transmitting devices for receiving alarm inputs and status information to allow monitoring and staff notifications. These wireless transmitters include:

- Door/Window Contacts
- Motion Detectors
- Smoke Detectors
- Glassbreak Sensors
- Temperature/Humidity Sensors
- Long Range Universal Transmitter

Arial Mobile Application
Our powerful, new mobile application operates on a large variety of mobile devices, including Apple iOS, Android and Windows operating systems. Its features ensure all staff have visibility to active alarms, their status and who is responding:

- Alarm Message Handling
- Documentation of Staff and Resident Encounters
- Staff-to-staff text messaging for care collaboration

About STANLEY Healthcare
STANLEY Healthcare partners with senior living communities to elevate resident quality of life with a unified suite of proven solutions that enable a safe and secure environment, allow for greater resident independence, enhance staff productivity and operational efficiency and personalize resident care. 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 or email seniorliving@sbdinc.com.