

Changes in care services: clino lifeCare
Many possibilities, One concept

Changes in care services, challenge as opportunity



Thinking today about tomorrow: Planning with foresight and flexible system solutions build the foundations for alternative care concepts.

The importance of age is changing in our society. The needs of seniors may have had little attention in the past, but today they constitute a central topic of political and social discussion. The setting and catalyst for this development is the profound change in the population structure of industrialized countries that has taken place in the last few decades. More and more people are aging and this to a historically unrivaled degree.

Health care institutions must themselves set new challenges accordingly: demographic changes, medical advances, diminishing resources and the resulting cost pressures are changing the situation in the health support sector and require new, sustainable concepts.

Both the question of financing inpatient care as well as the increasing preference for care given within one's own four walls underline the need for alternative health care services. Also in demand are concepts that enable those who are unable to live completely independently or who have increased health

risks due to medical indications, to live in familiar surroundings. The goal is to qualitatively improve and economize the provision of healthcare services through intelligent forms of cooperation of all healthcare partners:

- Expand alternative concepts
- Optimize medical and social care in the domestic sphere
- Use modern technological alternatives in order to improve/maintain standards
- Modify inpatient care

As a flexible system solution, and even for future support models, clino lifeCare offers all the requirements necessary to use the changing conditions of inpatient care as an opportunity. The concept enables reacting to future demands with integrated care concepts that are tailored to suit the market needs.

For increasing challenges: the system components

clino System 99

The call unit not only enables the connection of the lifeCare Controller but also the forwarding of resident's calls out of the system to a predefined external emergency aid center or to another telephone subscriber.

The lifeCare Controller

With the activation of a call via the call button actuation, the lifeCare Controller establishes a connection to

- a system 99 in a care facility
- an emergency call center or
- a private telephone line.

After the receipt of the alarm, voice communication can be established between the caller and the recipient. In addition to its basic function as an in-house emergency call device, other modules adapted to particular situations can be added.

Emergency call

A mobile emergency call can be sent over a handheld transmitter or a pull cord.

Vitality monitoring

Motion detectors and sensors register the resident's signs of life and report the absence of activity after a predefined period of time.

Vital sign monitoring

Vital signs like blood pressure and heart rate are measured by peripheral devices and transmitted to the controller via Bluetooth. If these reach threshold values, an alarm signal is activated at a central monitoring station or with the attending physician.

Telemonitoring

Efficient medical supervision is facilitated through daily inspection of the vital parameters combined with the necessary medical attention, for example via a medical health care center. Information and feedback from the physician, such as a reminder to take medications, can be communicated via the LCS Controller as well.



Many Possibilities, One Concept: clino lifeCare

Meet new challenges in health care with foresight and utilize existing conditions to implement alternative concepts.

A possible foundation for this is clino System 99: it can for example expand the functions of an emergency assistance centre, an emergency assistance telephone, or a hazard management system as well as entrance- and exit-admittance management. Enlarge your facility's capabilities with integrated care options, tiered support and supervision options or individual auxiliary services using existing infrastructure.

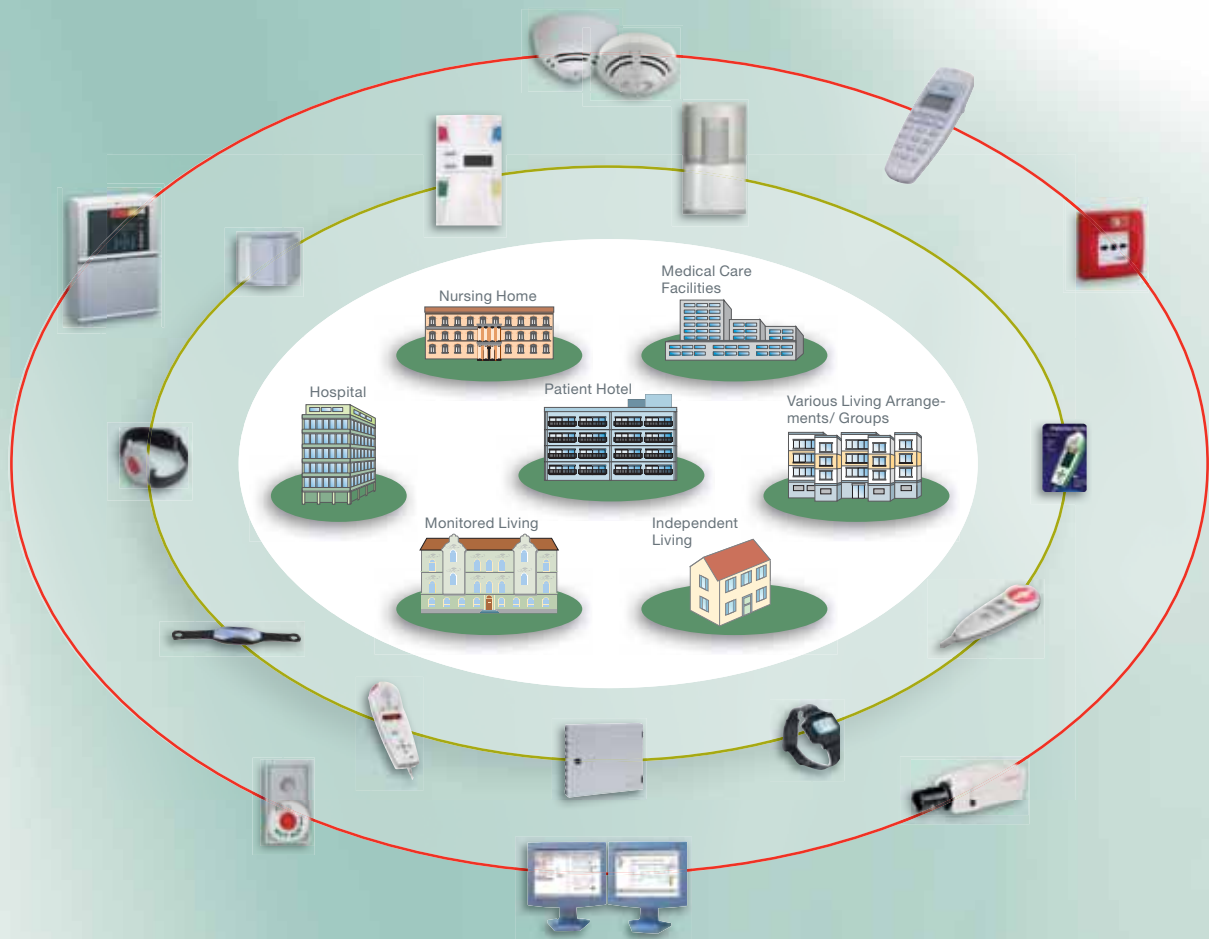
clino lifeCare system solutions enable nursing services, care facilities, medical suppliers and real estate companies to offer optimized and thus efficient supervision and safety management. With the installation of integrated, flexible solutions, new opportunities for innovative support concepts are made possible.

clino lifeCare system solutions adapt to individual safety needs. They guarantee an optimal cost-benefit ratio and long-term flexibility on the basis of their modular design. Options range from the basic emergency call to routine vital

sign monitoring and telemonitoring to support of persons with dementia via safety mechanisms, location finding, medication support or integration of domotics systems.

Applications

- As tiered support and supervision options for inpatient care
- In monitored living facilities
- In care communities
- In senior and mixed living facilities
- In group accommodation solutions
- In patient hotels
- As supervision with technical support in the domestic sphere



**Integrated hazard detection technology:
smoke and intruder detectors, access control**

An alarm produces an acoustic signal which is immediately transmitted to a predefined external emergency call center.

Dementia protection, exit monitoring

If a monitored individual leaves a virtual protection zone without an attendant or enter into a restricted area alone, an alarm will discretely be triggered or a safety system (i.e. a door locking device) will be activated.

Applications

Intelligent home technology

A domotics module assumes control of the monitoring system and the event-dependent control system of the building management system. In this way, for example, stove burners could be turned off automatically if any development of smoke is detected.

clino System 99

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A senior is living in a senior's residence, but due to her stable state of health is not bound to the fixed day-to-day care of the senior's residence. If she were to press the emergency aid button in case of need, the call would be forwarded to a family member's cell phone. Communication is carried out over the hands-free function of the existing room terminal.



A patient with heart failure lives in his own residence and is connected to a medical care facility with the help of telemonitoring. If any vital sign irregularities are detected, a medical call center will automatically be notified. Here, will qualified medical personnel decide which measures are to be taken based upon comparative data.



In a monitored facility, care is administered on site by nursing staff during the day, whereas a neighbouring in-patient healthcare facility takes over emergency assistance duties by night. If a resident were to activate the emergency assistance button, a call would be forwarded to the room terminal of the nursing service. Here, the on-duty nursing staff decides on further measures and can be on site quickly in any emergency.

Your specialist:

Novar GmbH a Honeywell Company

Dieselstraße 2
41469 Neuss, Germany
Phone: +49 2137 17-0 (Administration)
Phone: +49 2137 17-600 (Customer Service Center)
Fax: +49 2137 17-286
Internet: www.ackermann-clino.com
E-mail: info@ackermann-clino.com

Honeywell Life Safety Austria GmbH

Lemböckgasse 49
1230 Vienna, Austria
Phone: +43 1 600 6030
Fax: +43 1 600 6030-900
Internet: www.hls-austria.com
E-mail: hls-austria@honeywell.com

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