neat

A brand of legrand

Solutions for healthcare facilities

Total reliability

What is Neat ?

Neat is the specialized division of the healthcare sector of the Legrand Group. It has over 25 years of experience. Founded in Spain in 1988, we are now present in more than 30 countries through distributors and partners and we have production plants in Spain, Sweden and Australia, in addition to offices in another four countries. Our experience and investment in R&D+I has enabled us to become a market leader in social-healthcare technology, with over 700,000 users throughout the world.

The implementation of technology applied to social development and the reliability of the solutions created by Neat are our main commitment to our clients and society as a whole.

Our experienced sales personnel will take the time required to accompany and guide clients from the initial idea to the commissioning of the product. NEAT provides practical thinking and first-rate technology, warmth and a pleasant feeling of security. This is the successful range of qualities which, above all, always promote the common good.

1

Personal commitment

People looking after people: Our employees are involved in the healthcare sector with passion and experience at global level.

Benefits for our clients:

• Interchange based on collaboration to promote practical and useful knowledge
• Local service and support for a rapid in-situ response
• In-depth guidance for efficient project planning
• Rapid delivery timeframes, low storage costs and streamlined logistics
• Individual billing models for greater financial flexibility

2

Excellent product quality

Reliable and avant-garde: Our user-friendly devices feature the latest cutting-edge technology. Our partners are guaranteed the highest levels of customer satisfaction.

Benefits for our clients:

• Excellent product quality with low maintenance costs and high levels of user trust
• Innovative technologies for new applications and business promotion
• Attractive design and easy to use
• Regular software updates for applications designed for the future
• All our devices come with a two-year guarantee
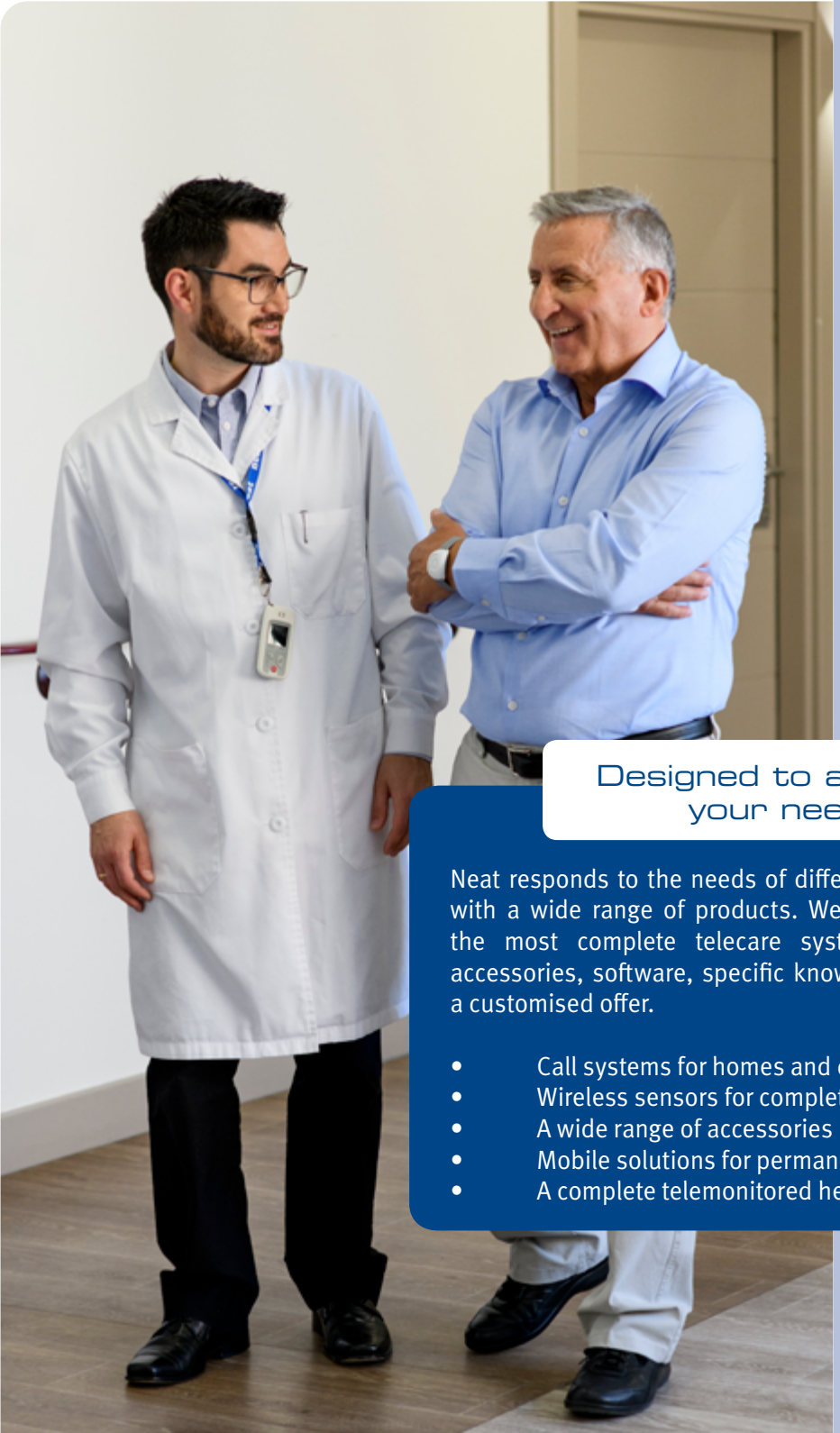
3

Fully centralised

Our clients try out NEAT products as a package with a comprehensive service from the first appointment to our expert technical assistance.

Benefits for our clients:

• A wide range of products to meet individual needs
• Training plans for our solutions
• Comprehensive care network for rapid local assistance
• Marketing and analysis services for the development of our markets

Designed to adapt to your needs

Neat responds to the needs of different situations and areas with a wide range of products. We provide our clients with the most complete telecare system, wireless solutions, accessories, software, specific knowledge and know-how for a customised offer.

• Call systems for homes and care centres
• Wireless sensors for complete safety
• A wide range of accessories
• Mobile solutions for permanent care
• A complete telemonitored health solution

TREX Basic Messaging Systems

TREX is a wireless messaging solution for the management of alarms at care facilities.
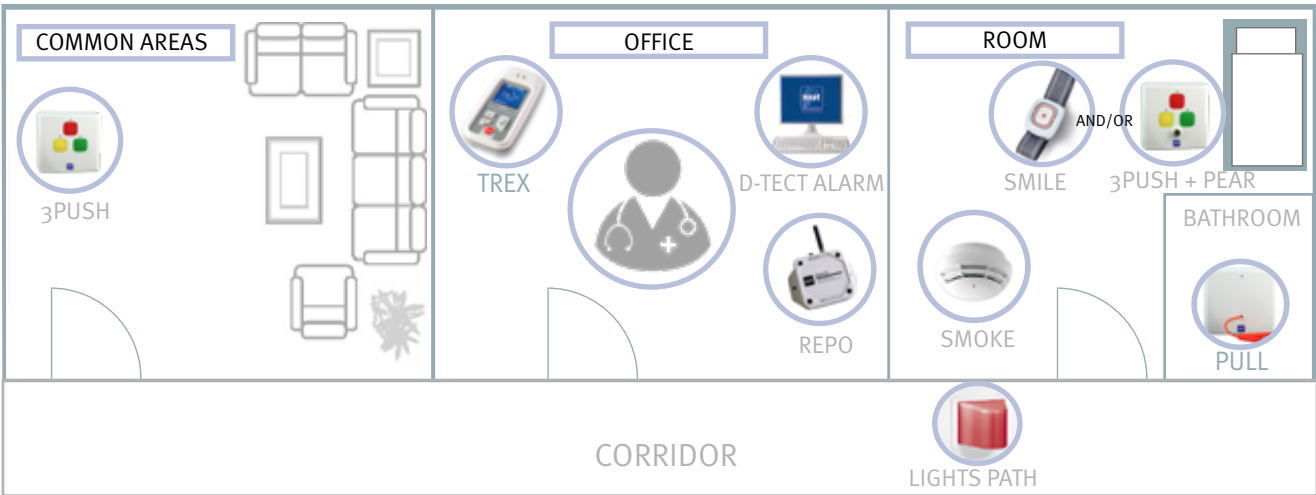
The wireless technology ensures rapid installation as no cable infrastructure is required.

Its wide range guarantees health professionals mobility around the facility as the alarms generated are delivered directly to the TREX unit.

In order to improve the management of the centre the system also features the D-TECT Alarm software application, designed to register all the events for subsequent analysis, showing the alarms generated by users, the people involved in the healthcare operation and response times. Moreover, it controls the technical alarms of the devices installed.

When an alarm is generated, it is delivered to the TREX unit carried by the health professional wherever he/she is in the facility. The origin of the alarm is identified on the built-in screen, enabling the employee to act immediately. The alarm delivered to the health professional will feature the care protocol established by the centre´s senior management and configured in the TREX solution.

COMMON AREAS
3PUSH

OFFICE
TREX   D-TECT ALARM
REPO

ROOM
AND/OR
SMILE   3PUSH + PEAR
SMOKE
BATHROOM
PULL

CORRIDOR
LIGHTS PATH

ADVANTAGES FOR YOUR FACILITY

- Enables the facility to operate normally during installation
- Task control
- User-friendly: management of the environment and care
- Features D-TECT ALARM registry software
- Independence from the software enabling the solution to operate correctly
- Can be used in both healthcare and home environments
- Small size to facilitate use
- Control of technical alarms of the different devices installed

REPO+ II
Repeater

DOOR
Door sensor

WALL
Alarm button

D-POS II
Wandering control

D-SERVER + D-TREX Advanced Messaging Systems

Neat has developed an ideal solution for each type of residential facility, distributing the alarms in an effective and selective manner, by group, for example. D-Server, the smart monitor for efficient alarm management, is the most appropriate solution for the management of alarms in residential facilities.
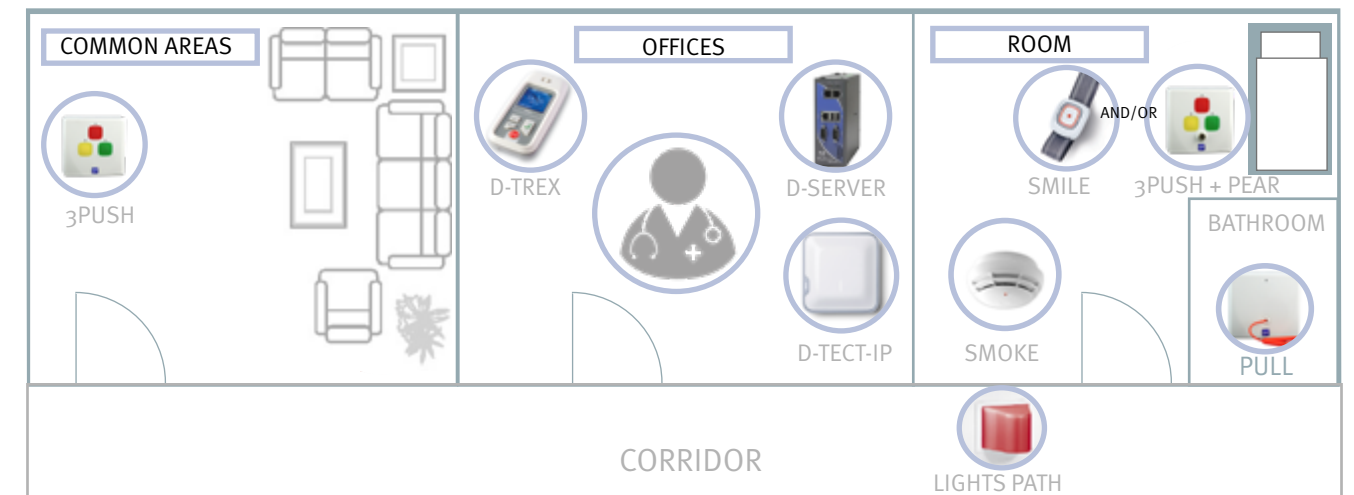
D-TREX is an advanced wireless messaging system designed to manage the different solutions installed in a care facility using D-SERVER software.

The advanced technology featured ensures the simple management of work groups and services by time slot. In brief, it provides continuous optimization by means of the comprehensive analysis of data through online services.

The use of D-Trex guarantees the improved management of healthcare personnel´s time, as well as an enhanced service for residents due to the reduced workloads involved.

When D-SERVER receives an alarm, it is forwarded to the D-TREX receiver carried by the health professional anywhere in the facility in accordance with an individually configurable scenario. D-SERVER also processes parameters such as the origin and type of alarm, as well as the time of the day so as to distribute alarms in a more efficient and specific manner by group and the needs of the facility at all times.

ADVANTAGES FOR YOUR FACILITY

- The opportunity to combine the wireless solution and the data network
- Optimization of resources and personnel workloads through the creation of workgroups
- Alarm management
- Simple and intuitive operation
- D-Server management software

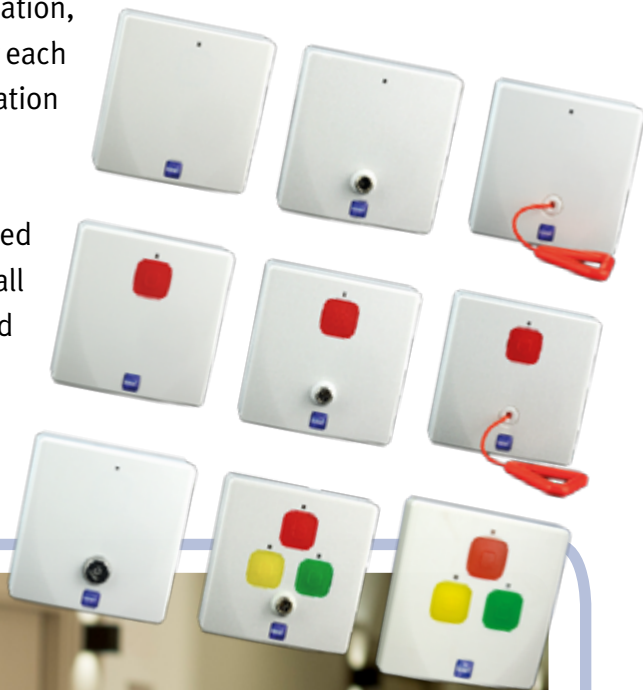| UDAT	SMILE - ID	WALL	D-POS II
Alarm bracelet	**Alarm bracelet**	**Alarm button**	**Wandering control**

WALL Family

The Wall Family is composed several devices used mainly in the residential sector, meeting the basic needs of wall alarms in different areas (rooms, bathrooms and common areas). The WALL family is based on radio frequency technology, and may, therefore, be integrated with cabled devices.

These devices can communicate with any of the alarm receivers (messaging and/or voice), commencing the care protocol established by the residential facility itself.
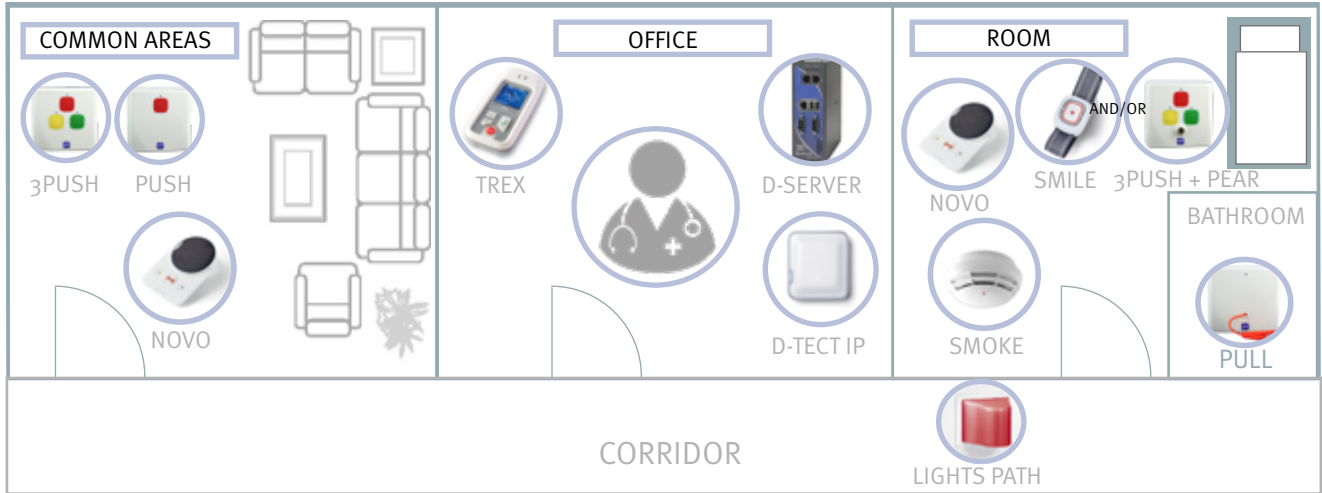
Hence, healthcare personnel can organise themselves in groups in according to their area of work area, scale and specialisation, and the alarms generated by each device will be received by each group in accordance with a rapid and simple pre-configuration designed by the facility itself.

The WALL features two versions. The wireless version based on radio frequency alarms, which is extremely easy to install and requires no work at all. Moreover, we have a new wired version for facilities which already have the installation.

All the devices from the WALL family can be assembled on the surface or embedded in the wall. External devices can also be connected with ease.

WALL devices generate an alarm which can be received by the health professionals on their TREX device.

COMMON AREAS | OFFICE | ROOM

3PUSH   PUSH   TREX   D-SERVER   NOVO   SMILE   3PUSH + PEAR

NOVO   D-TECT IP   SMOKE   BATHROOM

CORRIDOR   LIGHTS PATH   PULL

ADVANTAGES FOR YOUR FACILITY

- Easy to handle and use
- Compatible with the wanderer solution
- Compatible with the other Neat residential solutions
- Customised settings for each work group
- Monitoring of work times

REPO+ II
Repeater

TREX
Alarm receiver

DOOR
Door sensor

D-CALL
Voice equipment
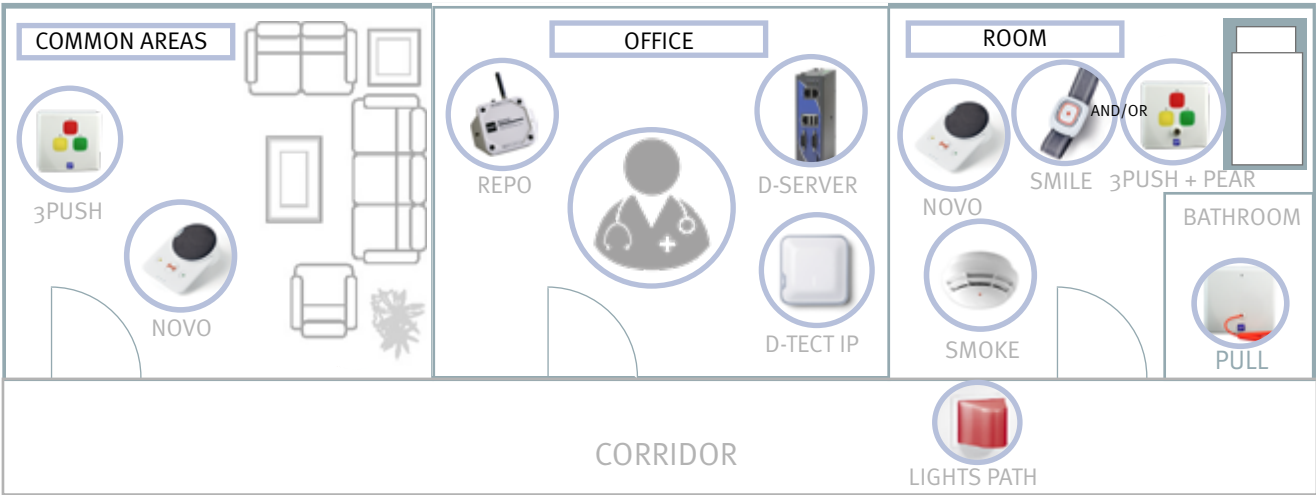
D-SERVER + D-CALL

This is a new software development designed for healthcare facilities. It is installed using a solution based on D-SERVER management software.

D-SERVER is capable of generating communications via voice and/or messaging between the resident and the healthcare professionals via the wireless telephone system installed in the facility. This, in turn, provides direct interaction between the aforementioned telephone system and the management software.

Furthermore, D-SERVER is designed to facilitate different functions such as voice connector, advanced messaging via the centre´s telephone system, as well as the recording of calls which have been preset for such.

To summarise, D-SERVER provides continuous optimization through the complete analysis of data and features simple automatic updates through online services and updates, thereby providing a better service due to the reduced workloads of personnel.

When D-SERVER receives an alarm, it is forwarded to the DECT telephone system via message and call anywhere in the facility, opening a two-way communication between the voice terminal and the health professional thanks to the connection with the existing telephone exchange, thereby ensuring immediate action in accordance with the resident´s needs. All the events registered in relation to the procedure can be analysed afterwards for the management of the same.

COMMON AREAS
3PUSH
NOVO

OFFICE
REPO
D-SERVER
D-TECT IP

ROOM
NOVO
SMILE 3PUSH + PEAR
AND/OR
SMOKE
BATHROOM
PULL

CORRIDOR
LIGHTS PATH

ADVANTAGES FOR YOUR FACILITY

- Voice communication
- Easy to use
- Comprehensive management of the environment
- Alarm management
- Control of technical alarms of the different devices installed
- Adaptation to the facility´s telephone system
- Specific management software

SMILE
Alarm bracelet

UDAT
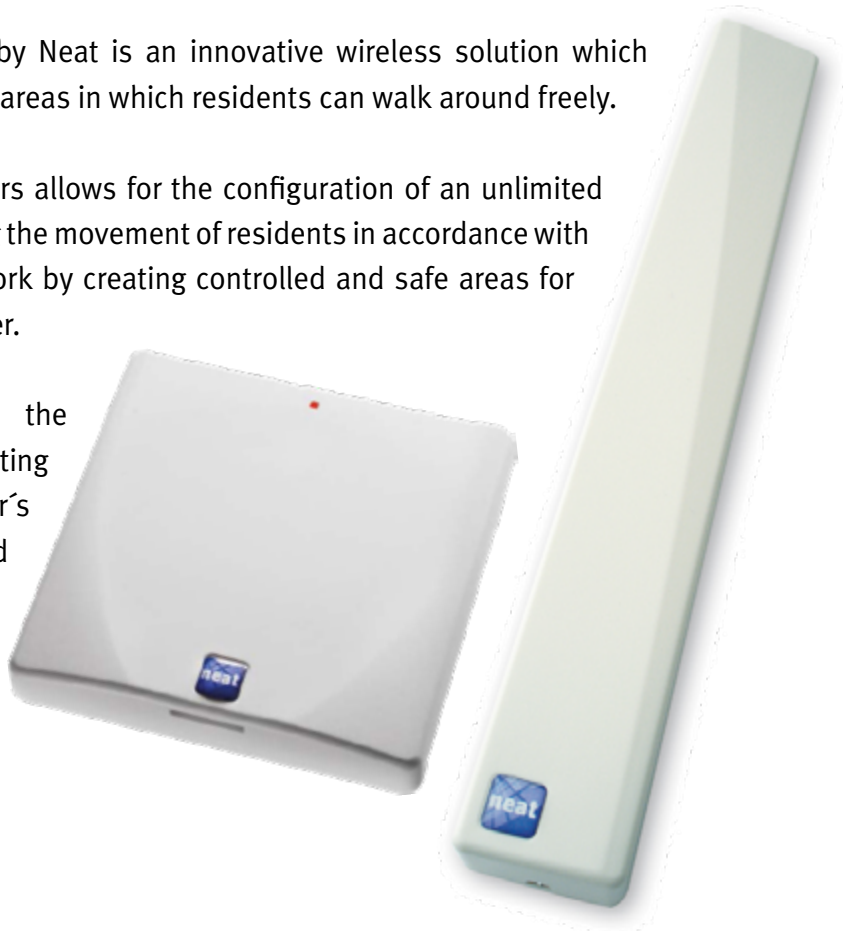Alarm bracelet

SMOKE
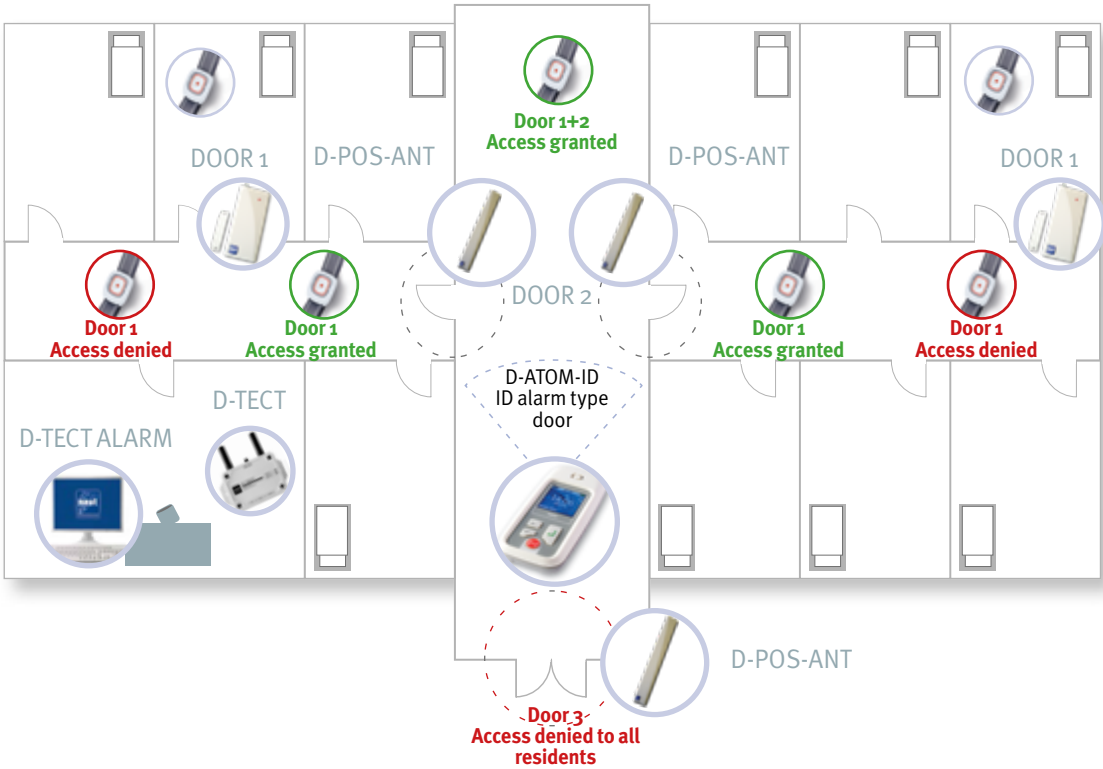Smoke sensor

D-CALL
Voice equipment

D-POS System

The wandering control system designed by Neat is an innovative wireless solution which ensures healthcare facilities become open areas in which residents can walk around freely.

The technology for the control of wanderers allows for the configuration of an unlimited number of accesses, authorising or denying the movement of residents in accordance with their profile, thereby facilitating carers´ work by creating controlled and safe areas for residents in a simple and functional manner.

The system will always identify both the wanderer and the area he/she is attempting to access, sending an alarm to the carer´s device to enable he/she to act in a rapid and efficient manner.

The resident will wear a wristband bearing the policy for permitted and/or denied access. When a wanderer approaches a restricted area the system will send an alarm to any receiver carried by the healthcare professional.

DOOR 1 — D-POS-ANT — Door 1+2 Access granted — D-POS-ANT — DOOR 1

Door 1 Access denied — Door 1 Access granted — DOOR 2 — Door 1 Access granted — Door 1 Access denied

D-TECT

D-TECT ALARM

D-ATOM-ID ID alarm type door

D-POS-ANT

Door 3 Access denied to all residents

ADVANTAGES FOR YOUR FACILITY

- Excellent usability: the D-POS system does not need any kind of calibration once installed
- Enables the control of all areas regardless of their size
- Customised configuration for each resident
- Compatible with all other Neat residential solutions
- Removal of bolts and barriers
- Locks / unlocks entrance doors, lifts

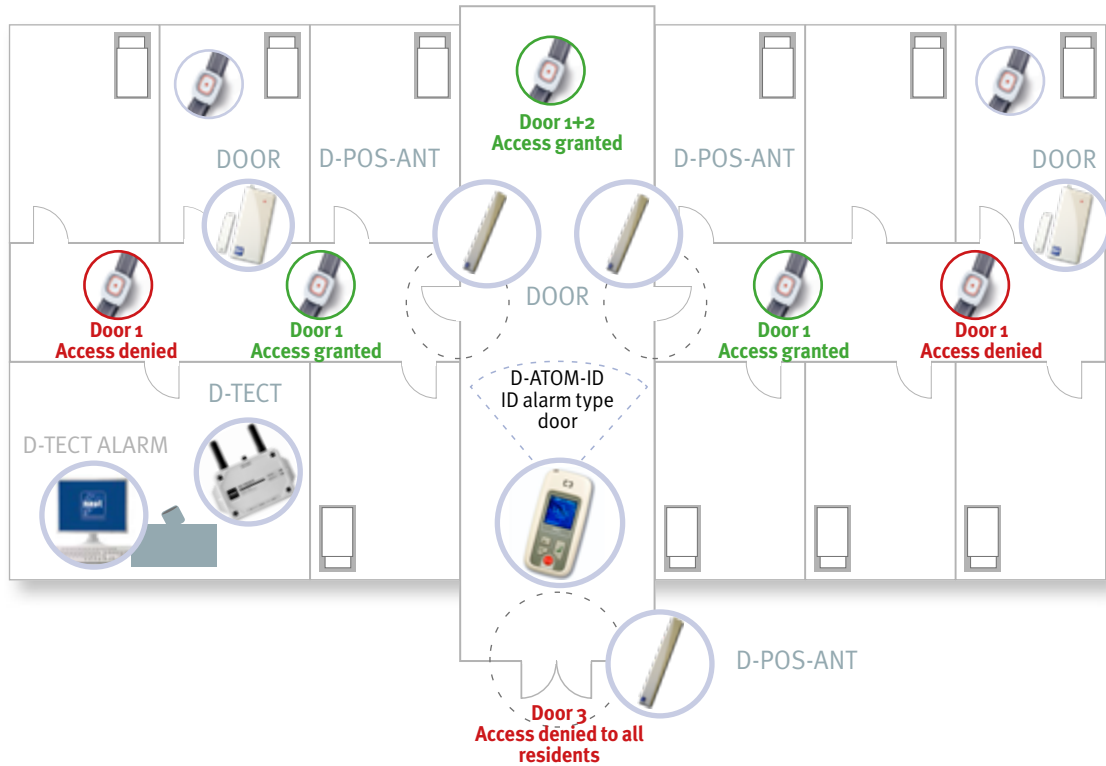| SMILE ID	UDAT	REPO+ II	TREX
Alarm bracelet	Alarm bracelet	Repeater	Alarm receiver

D-POS System

Neat has designed a reliable panic system as a means of preventing situations of risk healthcare personnel might undergo and for the care of residents.

Geared to healthcare facilities with a psychiatric profile, it enables healthcare professionals to work in a far safer manner due to the fact they can ask their colleagues for help, which undoubtedly reduces the stress working with and helping this kind of patient involves.

This system features unlimited growth, meaning the number of users, accesses and areas can be increased in accordance with the facility´s needs at any given time, whereby different levels of care can be established pursuant to the critical status of the event in question.

Health professionals should wear a bracelet or wristband with a button to be pressed in the event of as situation of danger or risk. The system will register all the entrances the health professional has passed through, generating the most recent position together with the push button alarm.

DOOR — D-POS-ANT — Door 1+2 Access granted — D-POS-ANT — DOOR

Door 1 Access denied — Door 1 Access granted — DOOR — Door 1 Access granted — Door 1 Access denied

D-TECT — D-ATOM-ID ID alarm type door

D-TECT ALARM

D-POS-ANT

Door 3 Access denied to all residents

ADVANTAGES FOR YOUR FACILITY

- Easy to use and handle
- Compatible with the wanderer solution
- Compatible with all other Neat residential solutions
- Customised settings for each healthcare professional

SMILE-ID
Alarm bracelet

REPO+ II
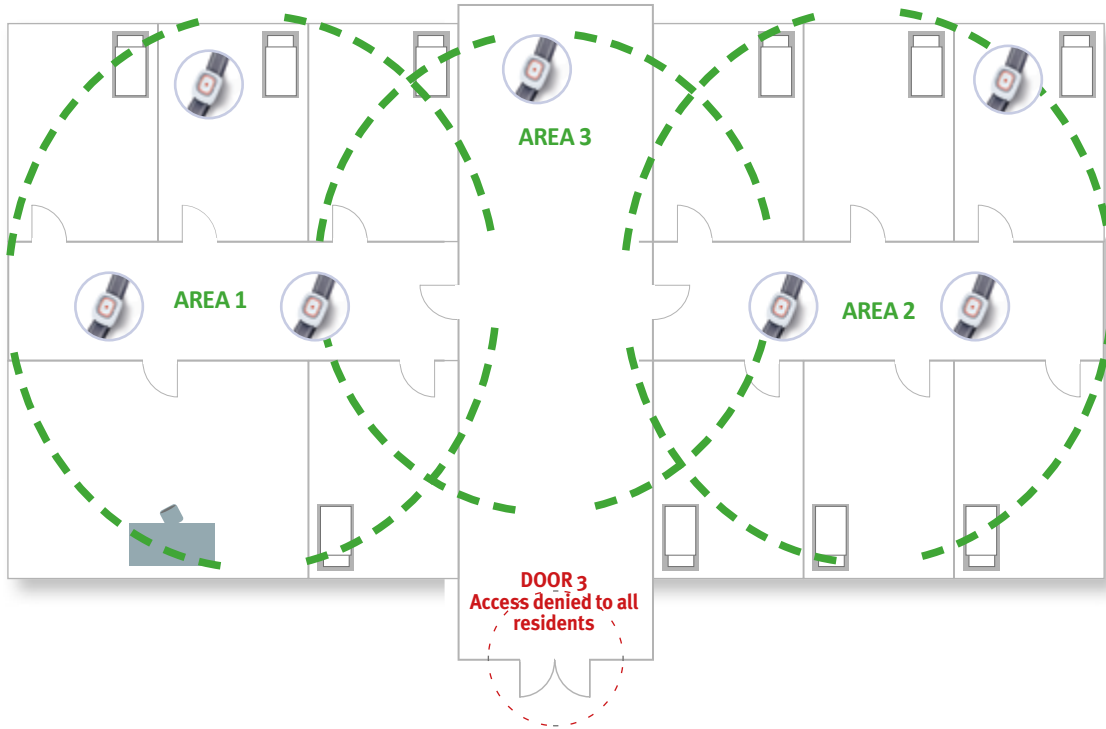Repeater

NOVO
Voice equipment

D-POS System

The NEAT indoor location system has been specifically developed for nursing homes and healthcare facilities to easily find out the exact place in which residents and healthcare professionals are at any given time.

The system is extremely simple to operate. Each resident wears a bracelet which registers his/her whereabouts through the security arcs installed around the facility. The greater the number of security arcs installed, the greater the accuracy of the location of the resident. This enables us to find out where the resident is and what he/she is doing.

The degree of accuracy of the position of the resident is established in accordance with the number of security arcs installed. Two applications, location and code management, enable us to view all the positions the resident has passed through in a specific period of time, allowing us to identify the area in which he/she is.

The system is very simple to operate. Each resident and/or healthcare professional wears a wristband which registers his/her movement in the detection areas installed around the facility. When wishing to know someone´s whereabouts, a consultation is made using the software.

AREA 3

AREA 1

AREA 2

DOOR 3
Access denied to all residents

ADVANTAGES FOR YOUR FACILITY

- Knowing where each person wearing a wristband is at all times
- The same installation is used as the wanderer control and panic system
- Compatible with all other Neat residential solutions
- Removal of bolts and barriers
- Customised settings for each healthcare professional

REPO+ II
Repeater

TREX
Alarm receiver

SMILE ID
Alarm bracelet

Whatever you require

Safety, reliability and ease of use are the main advantages of NEAT products. Their automatic monitoring functions guarantee each product is available 24 hours a day. The devices are highly accessible, feature customised settings, are easy to install and ready for immediate use (plug and play). Moreover, Neat provides the most suitable equipment for each situation. The result is a complete system which is ready to function and be used with no problems at all.

SMOKE
Smoke sensor

SMILE/ SMILE-ID
Alarm bracelet

REPO+ II
Repeater

NOVO
Care terminal

Reliable and easy to expand

The SMILE button is practical and convenient for a number of situations; it can be used both with the smoke sensor and specific accessories for the disabled.

Our wide range of accessories provide professional technical support to facilitate care in the most important areas. The care platforms guarantee a reliable reception for efficient care and services. Of course, we will also provide assistance with the installation and configuration in your client´s facilities: NEAT´s commercial team and technicians are here to help you.

WIOR
Smart device

NOVO, NEMO and TREX are compatible with countless wireless devices!

TREX
Alarm receiver

PULL
Bathroom cord

NEMO
Mobile care terminal

DOOR
Door sensor

PIR II
Motion sensor

GAS / TEMP / WATER
Sensors

PUSH
Alarm button

PUSH
Alarm button

WIOR
Smart device

PEAR
Pear type alarm

PUSH + PEAR
Alarm button + pear type button

PULL
Bathroom cord

PUSH + PULL
Alarm button + bathroom cord

WALL FAMILY

Multi-purpose buttons

The WALL family comprises nine devices used mainly in the residential healthcare area. The WALL family devices are radio controlled, however cabled devices can also be used to communicate.

Depending on the radio coding and the location of the control relay the operation can be conducted using a configurable plan of action.

All the units feature two cable inputs and outputs. The KEY unit can turn off one or both external accesses. If a button or connection to the cable inputs is turned on, the unit sends a radio signal with a type of programmable alarm and a predefined radio identifier to the emergency call system.

Functionality and safety

• Alarm notification via radio
• Configurable type of alarm
• Monitoring of battery level
• Regular test alarms (optional)
• Power source with alternate current or batteries (in accordance with the function)

Programming

• WALL family is as easy to program as any other NEAT device accessories

Configuration and installation

• Manually using a jumper or the WIOR program
• Assembly on the surface or embedded

Specifications

• Radio-frequency: 868.7, 869.2 and 869.4 MHz
• Power source 10-28 V (30V max)
• Batteries: 2 AAA batteries
• Size: 85 x 85 x 30 (length x width x height)
• Weight: between125 and 150 g.

KEY
Control device

3 PUSH
Multi-purpose

3 PUSH+PEAR
Multi-purpose + alarm

NOVO

Digital voice terminal

NOVO is the new voice terminal developed by Neat. It has been intelligently designed from end to end with the aim of enabling healthcare facilities to provide the highest standards of care.

This is a completely new digital concept which will take social-healthcare one step further. The interior and exterior design of NOVO is geared to optimizing all its functions and providing advantages other devices on the market cannot guarantee.

The connectivity, sense of comfort and safety afforded by Novo, in addition to the highly modern design ensure the device is ideal for each residential environment.

• Size: 177 x 129 x 65 mm
• Excellent level of volume
• Volume regulator with AGC
• 2 weeks of back-up battery
• Multi-protocol permitted
• Large easy to identify buttons with nocturnal illumination

• Simple programming directly on the device
• Remote configuration
• Local programming
• Connection to the Neat CMP terminal management portal
• Smart roaming

SMILE

Portable Push Button

SMILE push button sends an alarm to the care system in the event the care button is pressed. The successful receipt of the alarm is confirmed with a green LED. If this system confirmation is not active, the alarm is automatically resent. Its small size and simplicity guarantee maximum convenience and ease of use.

• Only 34 x 42 x 15 mm in size and 14 g in weight
• Hanging or wristband mode
• Optical transmission and reception via a two-colour LED
• Two-way transmission for greater security

• Long-life battery
• Automatic amplification of signal for long distances
• Countless safety functions

SMILE-ID

Smart Push Button

SMILE-ID monitors the user´s activity on a constant basis and sends an alarm when no activity is detected. As an indoor location solution it operates as a door alarm system, monitors patients with dementia and determines the specific whereabouts of healthcare personnel.

• Only 34 x 42 x 15 mm in size and 14 g in weight
• Hanging or wristband mode
• Optical transmission and reception via a two-colour LED
• Two-way transmission
• Long-life battery

• Automatic amplification of signal for long distances
• Countless safety functions
• Automatic activity button feature
• Alarm sent when the transmitter is not carried

DOOR

Door opening sensor

DOOR sensor sends an alarm via radio when a monitored door is opened or closed. If the door is opened and closed again, an additional alarm is sent. DOOR shows the transmission of the alarm and the receipt of confirmation via LEDs. The device also features a time function.

- Only 34 x 85 x 24 mm in size
- Door alarm with an integrated reed type relay (flexible door stopper)
- Sends a radio signal when the magnetic contact is activated (door opens or closes)
- On and off delays are configurable
- Two LED screen tones

- Voltage free contact input to create a bypass or to establish a delay in the activation of the device (configurable)
- Practical and easy to install
- On and off switch
- Monitoring of battery level
- Can be programmed manually or using a PC

PIR II

Motion sensor

PIR motion sensor monitors the presence of people and registers their movements. First of all, it registers people´s inactivity and generates a passive alarm. If no activity is registered within a predefined period of time, an alarm is sent to the connected telecare terminal.

PIR can also be installed to monitor a bed. When the user gets up in the morning an alarm is transmitted.

- Passive alarm
- Two-way transmission route
- Easy to install with no need for drilling

- Size: 122 x 86 x 64 mm
- Battery control

UDAT

Alarm bracelet

UDAT is a wristband with a radio transmitter designed to be used with the D-POS antenna, the purpose of which is to locate wanderers both in their home and in care facilities.

The unit has no alarm button and is a simple monitoring tool capable of activating automatic alarms in accordance with the device´s configuration parameters.

The configuration system can be used to grant or deny access to specific doors on the premises.

- Size: 38 x 46 x 18 mm
- Wristband with different levels of rigidity
- Alarms sent using RFID technology

- Battery life: around 5 years
- Frequency: 869.2 MHz
- RFID frequency: 125 kHz

BED

Bed presence detector

BED recognises the slightest movement of a person sitting or lying down. If the sensor fails to detect any movement for some time, the control unit will indicate that the person has left the bed. The time between the person leaving the bed and the generation of the alarm can be determined on an individual basis, on a range comprising 10 seconds to 90 minutes.

- Alarm intervals from 10 seconds to 60 minutes
- Detects absence of the user from the bed
- Ultra thin sensor
- Monitoring of battery status with alarm

- Low false alarm rate
- No weight restrictions
- Acoustic alarm sent via radio

GAS / TEMP / WATER

Water, gas and temperature detectors

TEMP temperature detector and the GAS gas detector warn of sudden increases in temperature and gas leaks. Both devices operate in accordance with the proven principle of semiconductors.

TEMP – Temperature sensor
- Detects extreme increases in temperature
- Visual and acoustic alarm
- Automatic self-testing function
- Two-way transmission route
- Only one battery for the alarm and radio transmitter
- Size: 80 x 73 mm

GAS - Gas sensor
- Protection against potential gas explosions
- Visual and acoustic alarm
- Two-way transmission route
- 12 VDC 220VAC/50Hz power supply
- Size: 111 x 71 x 43 mm

WATER - Water sensor

Warns of unexpected water leaks. When the water comes into contact with an integrated electrode, the sensor changes the electrical resistance. WATER conducts an electronic analysis and then activates an acoustic and visual alarm.

- Acoustic and visual alarms
- Autotest
- Battery level monitoring
- Extremely easy wireless installation

- Two-way transmission route
- Only one battery for the alarm and radio transmitter
- Size: 80 x 73 mm

SMOKE

Smoke sensor

SMOKE, the radio controlled smoke detector, provides an early warning in the event of a fire or thick smoke. If the device detects smoke it generates an acoustic and visual alarm. An alarm is also transmitted to any other NEAT receiver, such as the NOVO telecare terminal. Regular battery checks are conducted to guarantee a reliable operation.

- Lithium battery with two or three years of life
- VdS certification
- Size: 96 x 48 mm

- Only one battery for the alarm and radio transmitter

EPI CARE

Bed and wrist epilepsy sensors.

Neat offers a variety of epilepsy sensors that detects and manages seizures. All the innovative sensors are fully integrated in our technological care solutions and are developed by the leading manufacturers in epilepsy alarms.

Contact your Neat Sales representative to know these sensors and all the epilepsy solutions available in your region.

• Integrated battery
• Wireless data transmission

• The alarms can be sent to a TREX device

REPO

Repeater

When it receives a signal, REPO increases and retransmits it. This makes it an ideal device for use with the telecare terminal. It can process all the signals received or just those sent from radio transmitters programmed as necessary. The correct layout of the repeaters will guarantee the facility full coverage.

• Only 89 x 63 x 28 mm in size
• Clear reception from all local transmitters
• Up to eight different channels can be programmed

• Battery power in the event of a power cut
• Two-way transmission route
• In cascade mode (multiple REPOs)
• Can be programmed manually or using a PC

REPO+

Dual repeater

REPO + repeater extends the device´s transmission route using the 869.2 MHz frequency. On the 869.4 MHz frequency, the transmission route between two REPO + devices or a TREX device can be extended by several hundred metres. The correct layout of the repeaters will guarantee the facility full coverage.

• Only 111 x 63 x 28 mm in size
• Can be programmed manually or using a PC

• Reliable radio transmission with the signal received and the two-way transmission route

D-TECT Family

D-TECT family enables you to connect the wireless Neat devices such as nurse call, wanderer control and others, with different computer management solutions such as D-SERVER. In the case of D-TECT IP these solutions can be used outside the residential facility, in the cloud or at other facilities used by the client.

D-TECT IP digital connector
• Only 110 x 113 x 32 mm in size
• Communication via IP networks

• Rapid management of care alarms, facilitating the work of carers

D-TECT traditional connector
• Only 111 x 63 x 28 mm in size
• Communication via a dedicated bus series

Neat at your disposal

Neat has become a specialist in the development of advanced technological solutions for the social-healthcare sector. We provide our clients with 24/7 technical assistance and support. Our devices have been designed for use by the end-user, featuring tailor-made, easy to install solutions for each client, ready for immediate set up. Neat provides a comprehensive system of fully configurable and highly reliable devices and solutions.

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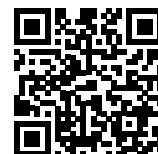central.europe@neat-group.com
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