



Indoor Positioning

PROFESSIONAL SOLUTION



The localization system Indoor for nursing homes and care centers has been developed to know where the residents are located.

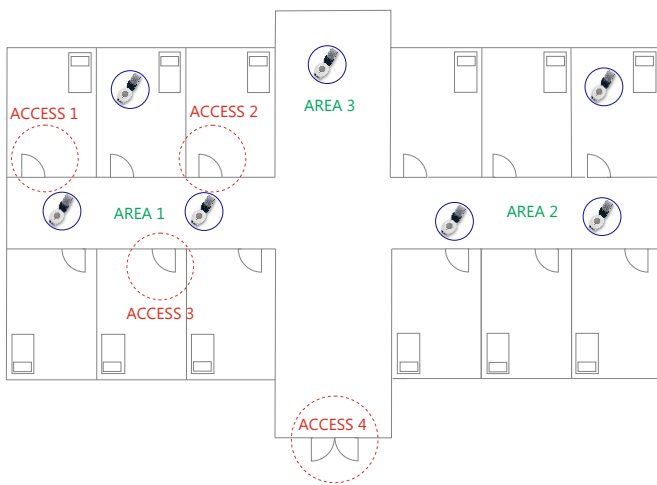
Each resident wears a bracelet, leaving record of their passage through the RFID arcs installed in the center. This allows us to see the place where he is and his activity. With these data certain behaviors can be analyzed.

Depending on the number of RFID arches installed we can determine approximately the place or area where the resident is situated.

The system has the software application D-SERVER, it is an IP application, so we can install it on different control places. This application includes:

Location module

This module shows all positions the resident has crossed in a given period of time, allowing identification of the place where the resident is. It also facilitates the general list of movements, which can be filtered by user and date.



USER	CURRENT POSITION	DATE	TIME
JoséGracia	Aisle 1	05/10/2010	10:53:26
Antonio Martínez	TV room	05/10/2010	10:53:35
Ana Gutiérrez	Access to garden	05/10/2010	10:53:44
Isabel de Lucas	Rehabilitation Room	05/10/2010	10:53:53
Andrés Martínez	Room 113	05/10/2010	10:54:02
Jose Luis Záate	Waiting room	05/10/2010	10:54:11
Pablo del Ró	Aisle 2	05/10/2010	10:54:20

Codes management module:

It is intended to configure bracelets in a personalized way to give or restrict access based on the user profile. When a resident passes for an unauthorized access, the system will trigger an alarm, which will reach the D-TREX, worn by the auxiliary; informing about the event. Alarms can be configured on an agenda of forwarding alarms to reach a caregiver specifically, a subgroup or group of caregivers, taking into account: time slot or temporality. The access can also be configured to have free or restricted passage according to a time table. During the restricted period, electronic locks can be included to maintain the doors locked, which will be opened only when a bracelet of a caregiver, with access allowable, approaches. This bracelet can also be used as a panic button.

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ARCH	ALLOWED ACCESS	RESTRICTED ACCESS	FORWARDING
Aisle 1	08:00:00	22:00:00	Group 1
TV room	10:00:00	22:00:00	Group 2
Access to garden	10:00:00	18:00:00	Subgroup 11
Rehabilitation Room	11:00:00	19:00:00	Subgroup 12
Room 113	09:00:00	22:00:00	Group 1

System location: Everything important at a glance

The location system Indoor is a system without growth constraints, so you can gradually increase the number of users, accesses and areas according to the needs that the center has at all times.



D-SERVER: Software application where the accesses policy of the center is configured, through the localization module will identify all movements performed by a resident and the place in which it is situated.



D-TREX 2G : transceiver worn by the caregiver. It receives alarms produced by the passage of a resident in a non-permitted area. Through its incorporated display will identify who and where.



D-ATOM: BRACELET FOR RESIDENT: bracelet the resident wears, which transmits position to the location software to put on record his passage through an area or access in a certain time table.



D-ATOM: BRACELET FOR CAREGIVER: bracelet worn by the assistant to activate an emergency alarm or activation of magnetic lock to open a door.



D-POS DEVICE ACTIVATION OF AREAS AND ACCESSES: Allows installation of RFID arches that identify each crossing zone installed on the system.