



CALLVISION[®]

**Seconds
save lives**

**CALLVISION Healthcare
Systems**

*Real Time Location Solutions
Presentation-2021*

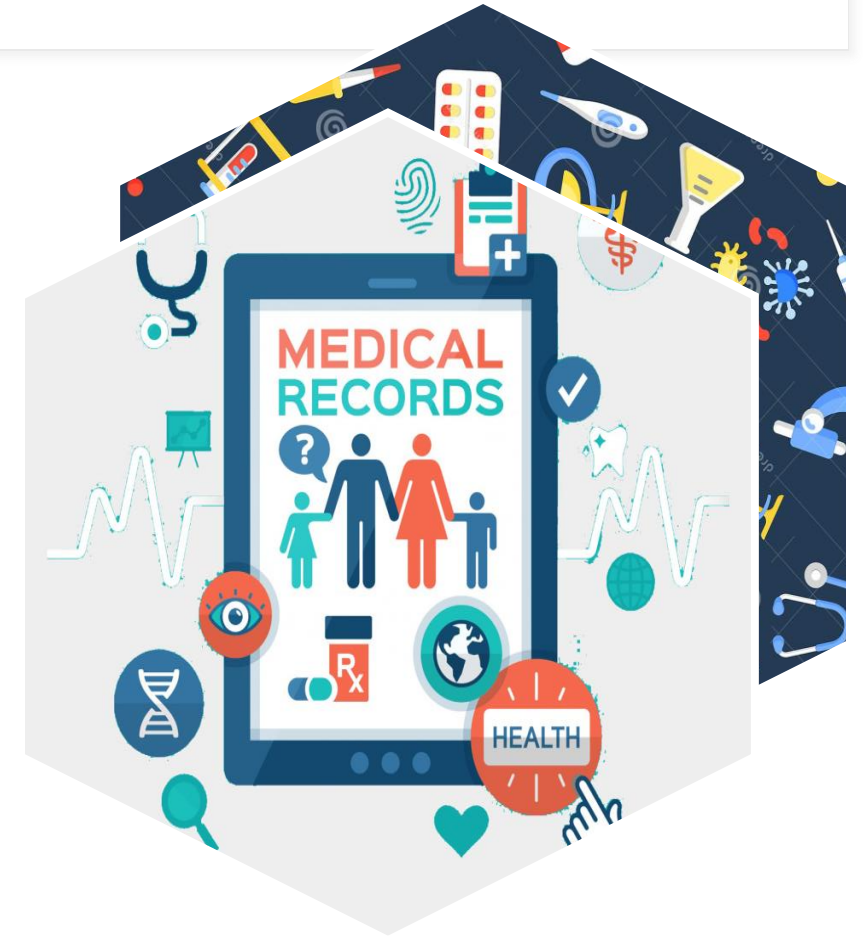
CALLVISION



- CALLVISION Healthcare Systems – Since 2007
- IoT technologies for healthcare market
- Premium solutions for hospitals and medical centers
- Innovative products

CALLVISION

- Real Time Locating Systems (active & pasive RFID)
- Urgent Call and Nurse Call Systems
- Control and Information Panels
- Standard Solutions



CALLVISION Product Portfolio

Real Time Locating Solutions

- Asset Tracking System
- Staff Tracking System
- Mother & Baby Tracking System
- Patient Tracking System
- Laundry Management System

Standard Solutions

- Nurse Call Systems
- Operating Room Control Panels
- Medical Power Isolation Systems
- Urgent Call Systems
- IP Clock & Timer
- Patient Isolation Information System
- Emergency Service Consultation Panel

Real Time Locating Systems

- 1. Asset Tracking System
- 2. Staff Tracking System
- 3. Mother & Baby Tracking System
- 4. Patient Tracking System
- 5. Laundry Management System



RFID Infrastructure for Tracking Systems

- RF Location Scanner Device

RF Range: 200 m²

24 Vdc / 12 Vdc

Power adapter for 220 Vac

Type 1 – Anchor: Power + Ethernet connection

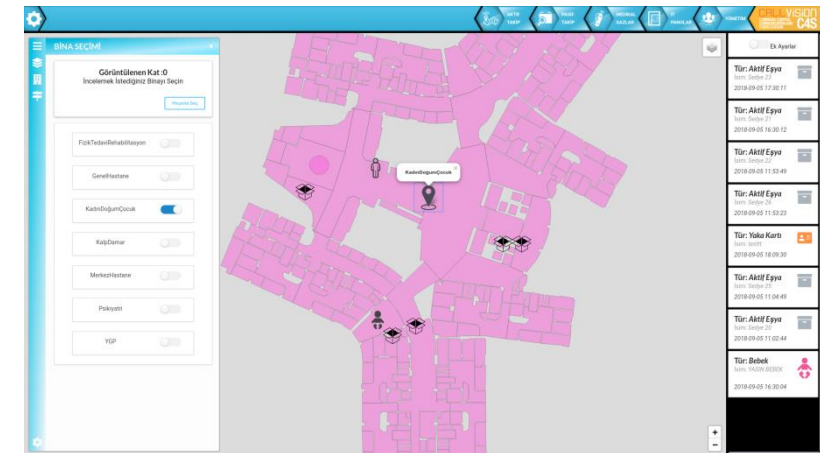
Type 2 – Repeater: Power

- For an efficient location tracking, every 4 pieces of Type 2 should be in range of 1 piece of Type 1



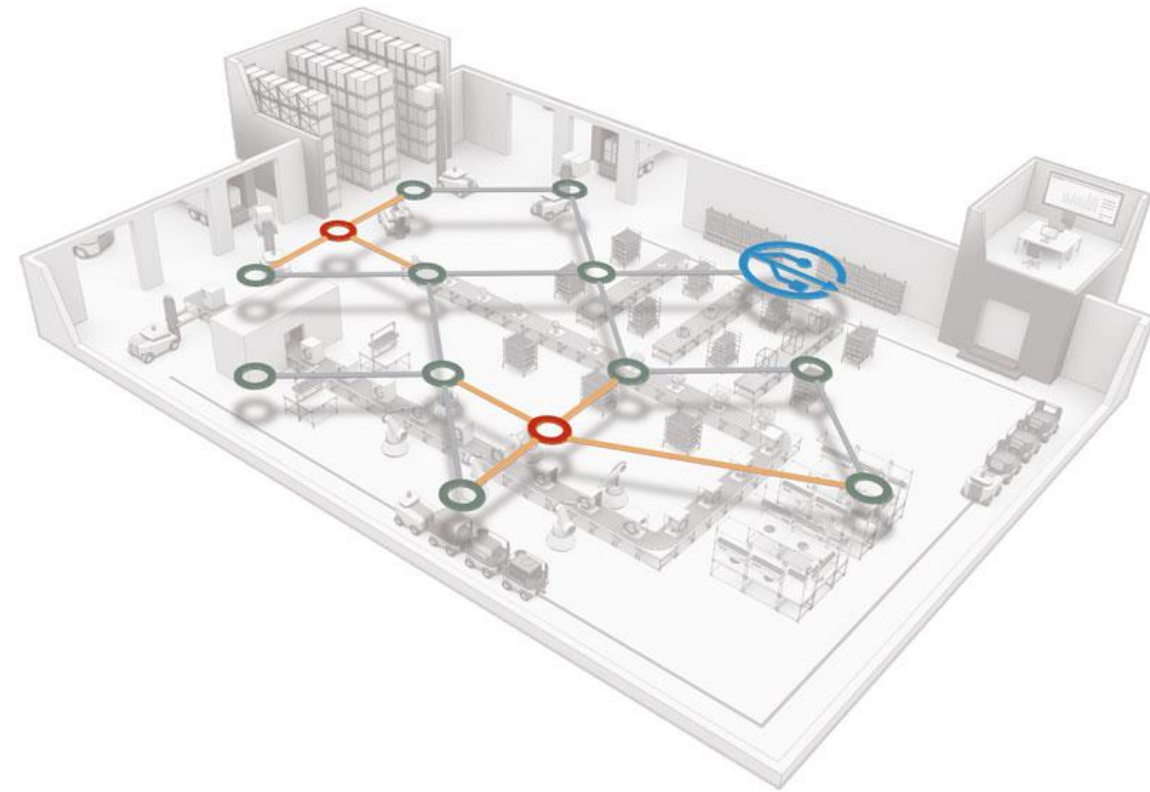
RFID Infrastructure for Tracking Systems

- C4S Software – Command, Control, Communication and Code System
 - 5 different modules: Active Tracking, Passive Inventory Tracking, Medical Gas, It Board and Management
 - Can be accessed by any device (PC, tablet, mobile phone)
 - Authentication – different user profiles for systems
 - Web based, cloud based and private cloud based options
 - Rule and notification set ups
 - E-mail, SMS and User Interface Notifications
- Big Data Processing, Rule Engines, Cloud Computing



1. Asset Tracking System

- Asset Tracking System helps the items stay in the desired locations by tracking the location of the fixed and moving items.
- It also performs the inventory counts.
- By this system, items that are critical for diagnosis, treatment or emergency interventions, as well as fixtures, assets and any other items can be easily tracked and controlled.



Asset Tracking System

- Active Tracking
 - Instant location information
 - Rule sets – Safe area / forbidden area
 - Notifications
 - Preventing theft
- Passive Tracking
 - Easy inventory count
 - Hand terminal range: 2-6 meters
 - Rule sets – misdisplacement
 - Notifications
 - Preventing theft



Asset Tracking System

- System Units

C4S Software

Active Tracking

Passive Tracking

Small Active Tag



Big Active Tag



RF Location Scanner



Passive RFID Tags



Hand Terminal



Asset Tracking System

- Benefits of the system
 - Preventing misdisplacement of the fixed and moving assets
 - Active tracking for expensive and critical medical devices
 - Better and efficient inventory management
 - Easy inventory counting
 - Preventing theft

2. Staff Tracking System



- The Staff Tracking System provides both the tracking of the staff in terms of location and the emergency calls that the staff can start.

Staff Tracking System

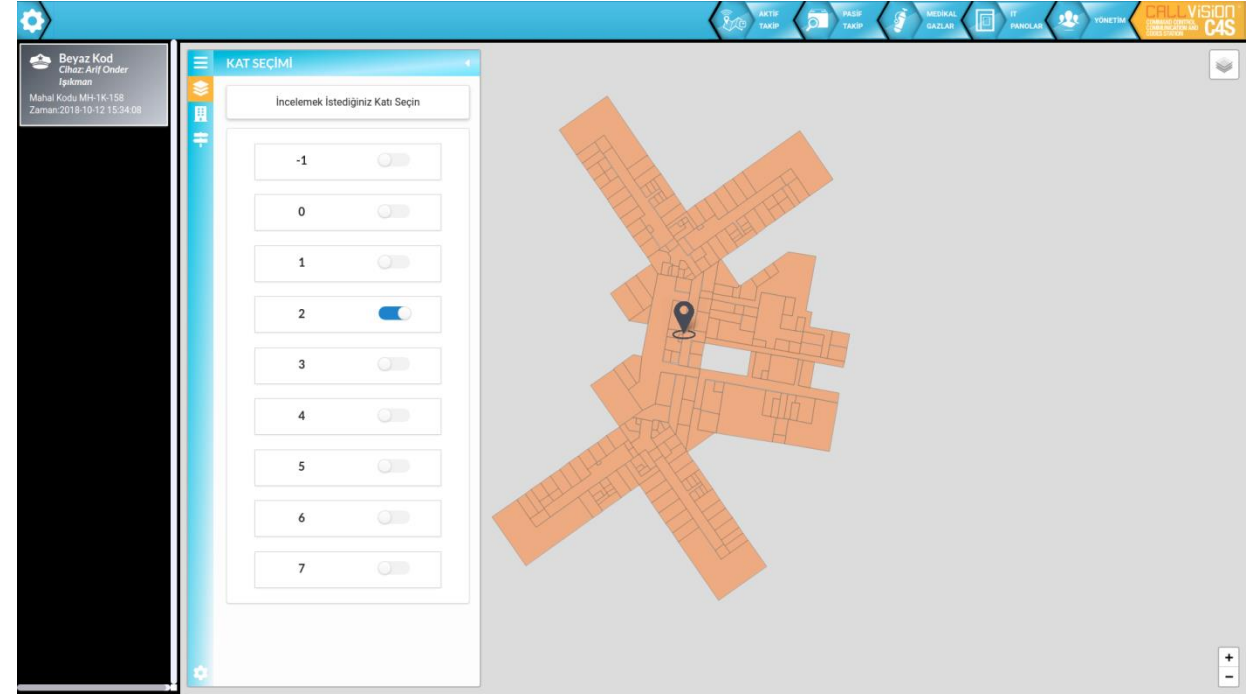


- Smart Badge Device
 - Portable wearable hardware
 - Actively sends location signals to the CALLVISION RF Location Scanner.
 - Emergency call buttons – blue, white and pink code
 - Battery inside – easy charge with microUSB cable
 - LED indicator for status of call and low battery

Staff Tracking System

- System Units

- Smart Badge
- RF Location Scanner
- C4S Software



Staff Tracking System

- Benefits of the system
 - Tracking performance of the staff by monitoring the location in hospital
 - Providing utmost support for task management
 - Staff can start urgent calls as blue, white and pink code

3. Mother and Baby Tracking System

- Mother and Baby Tracking System is a system designed to prevent newborn babies from being mixed up or abducted from the hospital. The system works with wireless communication technology.



Mother and Baby Tracking System

- Mother & Baby Bracelets
 - IP67 water proof capsule
 - Antibacterial strap
 - Wireless communication
 - Wireless charging
 - Detecting the bracelet is removed
 - Includes accelerometer
 - Mother and baby matches each other



Mother and Baby Tracking System

- System Units
 - Mother Bracelet
 - Baby Bracelet
 - RF Location Scanner
 - Smart Badge
 - C4S Software



Mother and Baby Tracking System

- Benefits of the system
 - Preventing baby confusion after the birth in newborn unit
 - Preventing baby abduction

4. Patient Tracking System

- Patient Tracking System is a system designed to track location of the patient in hospital. Especially for surgery operations, the system is tracking the right surgery room, surgery beginning and ending time and patient location as pre-post op.



Patient Tracking System

- System Units
 - Patient Bracelet
 - RF Location Scanner
 - C4S Software



Patient Tracking System

- Benefits of the system
 - Tracking the location of the critical patient to monitor if the patient leaves service room or moves.
 - Monitoring if the patient is in the surgery or pre/post surgery.
 - Notifies to relevant units for cleaning the surgery room.
 - Integrates with hospital information management software and takes the information of the patients and surgeries.
 - Tracking the performance of the surgery rooms and surgery unit by past reports.

5. Laundry Management System

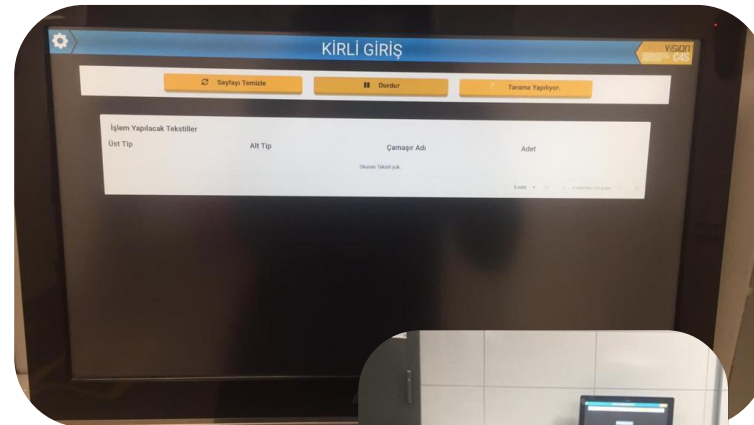
- Laundry Management System tracks the dirty laundry in and clean laundry out. Also there is station for registering new laundries like sheets, uniforms etc. The system monitors the laundry inventory.



Laundry Management System

- System Units

- Laundry Gates – dirty & clean in-out
- Control Panel
- Registering station
- Hand Terminal
- Woven RFID Labels



Laundry Management System

- Preventing human failure
- Counting washings and billing
- Managing inventory



CALLVISION – Elektrovien

- Capabilities

- Design – manufacture – deployment – training - technical support
- Maintenance operations
- Customization of all systems for your requirements
- Integration flexibility with hospital information management software, building automation systems, security cameras etc.

CALLVISION Healthcare Systems

THANK YOU

- **CALLVISION Healthcare Systems**
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- **Company: ELEKTROVIEN POWER SOLUTIONS**
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