



NEXT-GENERATION NURSE CALL PLATFORM

# Events Management Server



The intelligent, AI-driven backbone of your healthcare facility — unifying every alarm, call, and response into one seamless command center.

**100%**  
Web-Based Platform

**AI**  
Driven Intelligence

**Open**  
Vendor-Independent

**∞**  
No License Expiry



# Healthcare facilities deserve better than fragmented systems.

Today's care environments are more complex than ever. Dozens of devices, multiple vendor systems, and disconnected workflows put staff under pressure — and put patients at risk. The Events Management Server was built to change that.

## What is the Events Management Server?

EMS is a fully web-based, AI-powered software platform that acts as the central nervous system of your Nurse Call infrastructure. It captures, processes, and intelligently routes every event happening across your facility — from bedside calls and emergency alarms to access control triggers and surveillance alerts — all from a single, modern interface accessible from any browser, on any device.

## Built for facility managers who demand results

If you've ever dealt with response time complaints, siloed alarm systems, expensive annual software licenses, or vendor lock-in — EMS was designed specifically to solve those problems.

Think of it as upgrading from a patchwork of isolated tools to one unified intelligence layer that gives your staff clarity, your administrators accountability data, and your patients a measurably better experience.



*Every second matters in a care environment. EMS ensures that no call goes unheard, no alarm is missed, and every event is recorded — so your team can focus entirely on delivering care.*

Events Management Server · Core Design Philosophy

## — CORE FEATURES

# Everything your facility needs, in one platform.

EMS brings together the capabilities that used to require five different vendors — all operating seamlessly under one roof, with one interface to learn, and one point of support.



### Real-Time Event Management

Every alarm, call, and emergency is captured the instant it occurs and routed intelligently to the right caregiver on the right device — without delay, without ambiguity.



### AI-Driven Intelligence

Machine learning models learn the patterns of your facility — predicting escalation risk, detecting anomalies, and surfacing insights that help you act before situations become critical.



### Embedded Full-Feature PBX

No need for a separate phone system. EMS includes a fully-featured IP PBX, delivering voice calls, intercom, and alert notifications



### Integrated Surveillance

Live camera feeds are directly linked to alarm events — when an alert fires, the relevant camera view appears automatically, giving

across wired and wireless endpoints throughout your facility.

staff immediate visual context without navigating a separate system.



### Integrated Access Control

Manage door access, entry/exit events, and security zones directly within EMS. Access events are logged alongside care events for a complete picture of facility activity at any moment.



### Wired & Wireless Devices

EMS supports both wired nurse call devices and wireless endpoints – pendants, mobile handsets, DECT phones, staff badges – in a hybrid setup that adapts to your building's layout and needs.



### Advanced Reporting & Analytics

Detailed dashboards and exportable reports on response times, call volumes, staff performance, and escalation patterns – the data leadership needs to continuously improve care quality.



### Reliable & Redundant Architecture

Engineered for mission-critical uptime. EMS supports high-availability and redundant configurations, with local on-premises deployment ensuring your system is never dependent on third-party connectivity.

The screenshot displays the EMS software interface. On the left, a large graphic shows a 'PULL' button and a red warning triangle with an exclamation mark, labeled 'ROOM 197'. The main interface shows a list of device events and a table of active devices.

Name	Description	Unit/Area	Zone	Actions
Pendant Office Door	16687284	Office	Test_62132	[Status] [Info] [Edit] [Delete]
Pendant Entrance	16687288	Office	Test_597B	[Status] [Info] [Edit] [Delete]
Pendant Cancel	9879879	Office		[Status] [Info] [Edit] [Delete]
Pendant Reset	889987	Office		[Status] [Info] [Edit] [Delete]
Pendant ALARM	3039649	333	VANTACT Office	[Status] [Info] [Edit] [Delete]
Pendant CANCEL	3039650	333	VANTACT Office	[Status] [Info] [Edit] [Delete]
Pendant PRESENSE	3039652	333	VANTACT Office	[Status] [Info] [Edit] [Delete]
Pendant Battery Low	3039656	333	VANTACT Office	[Status] [Info] [Edit] [Delete]
Battery less Watch	351532578	333	6	[Status] [Info] [Edit] [Delete]
Pendant Prototype	12327263	333	VANTACT Office	[Status] [Info] [Edit] [Delete]
Pendant CANCELPROTOTYPE	12327564	333	VANTACT Office	[Status] [Info] [Edit] [Delete]
Unit 197	5706766	Pull Card RF	RF-207	[Status] [Info] [Edit] [Delete]
Unit 197	5706762	Pull Card RF	RF-207	[Status] [Info] [Edit] [Delete]
Unit 197	5706769		RF-207	[Status] [Info] [Edit] [Delete]

— OPEN INTEGRATION

## Works with what you already have.

EMS is vendor-independent by design. Whether you're upgrading an existing system, integrating legacy devices, or building from scratch — EMS connects to it all through open, standard interfaces.



### Nurse Call Devices

Wired pull stations, pendants, dome lights, pillow speakers



### Access Control

Door controllers, badge readers, magnetic locks



### Surveillance / CCTV

IP cameras, NVRs, event-linked video streams



### Wireless Systems

DECT, Wi-Fi handsets, wearable pendants, staff locators



### Fire & Safety

Fire panel inputs, smoke detectors, emergency systems



### EMR / HIS Systems

HL7, FHIR, and custom API connections to clinical records

— ARTIFICIAL INTELLIGENCE


## Intelligence that improves every shift.

EMS doesn't just collect data — it understands it. The AI engine learns the rhythms of your facility and transforms raw event data into actionable, life-improving decisions.


# Smarter alerts. Faster care. Less noise.

Healthcare staff face alarm fatigue — too many notifications, too little context. EMS applies AI to filter, prioritize, and route events based on real clinical significance, not just signal strength.


## AI Performance Metrics

Response Time Reduction  -38%

Alarm Noise Reduction  -52%

Staff Acknowledgment Rate  +93%

Escalation Accuracy  +90%

Patient Satisfaction Score  +28%

- Predictive escalation paths based on patient history patterns
- Smart alarm prioritization to reduce alert fatigue
- Shift-aware routing — always finds the right available caregiver
- Automatic anomaly detection for unusual event sequences
- Continuous learning: improves accuracy over time with your facility's data
- Natural language reporting — ask the system questions in plain English

## — HOW IT WORKS

# From event to resolution in seconds.

EMS was designed around the real-world workflow of frontline care teams — making every step from alert to acknowledgment as frictionless as possible.

1

Event is Detected



## No Annual License Fees

One purchase gives you the full EMS platform with all features included. There are no recurring software fees, no seat-based pricing, and no module-locked features waiting behind a paywall. What you see is what you get — forever.

## On-Premises or Cloud — Your Choice

Deploy EMS on your own infrastructure for complete data sovereignty and offline resilience, or choose a managed cloud deployment. Whichever you choose, you remain in full control of your data and your uptime.

## No Forced Updates

Software updates are performed entirely on your schedule. Your system is never held hostage to an automatic update that disrupts operations. You decide when updates happen, ensuring your staff and workflows are always prepared.

## Vendor-Independent Forever

EMS is built on open standards. You are never locked into a single hardware vendor. As your facility grows or technology evolves, you can integrate new devices and systems without replacing your core platform.

HIPAA READY

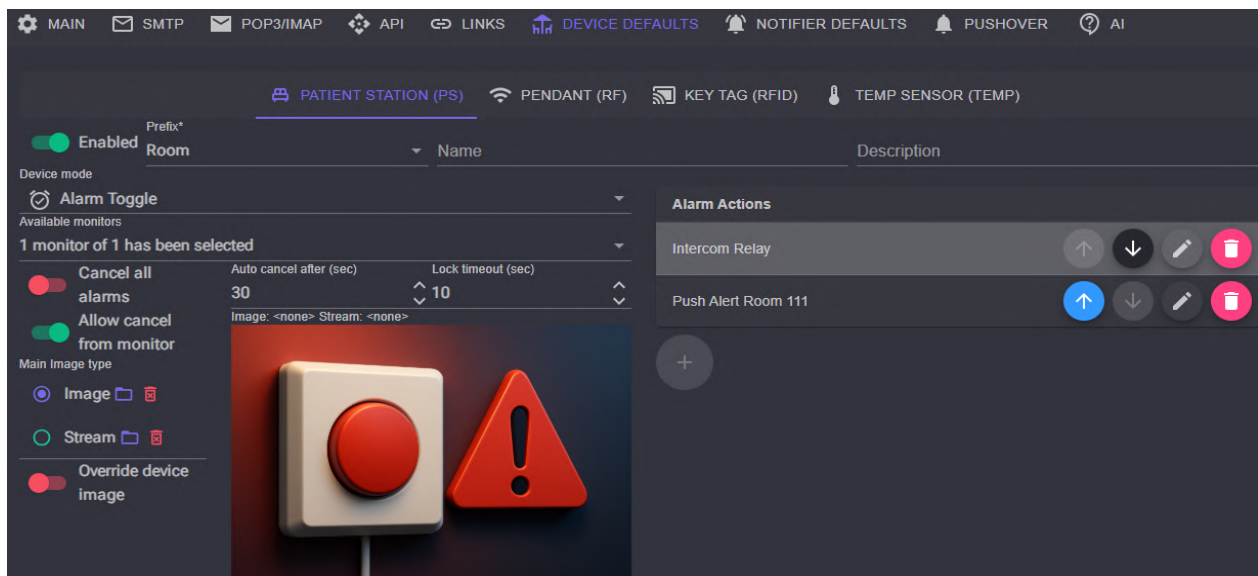
HL7 / FHIR COMPATIBLE

SIP / VOIP STANDARD

REST API OPEN

ON-PREM OR CLOUD

NO PER-SEAT FEES



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EMS · Healthcare Technology Solutions



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## **One platform. Every event. Complete control.**

Events Management Server is the heart of a modern Nurse Call System. It is a web-based, AI-driven software platform designed to collect, organize, and manage events across the healthcare facility in real time. From resident calls and staff emergencies to access control activity, surveillance events, voice communication, and third-party system alerts, everything is brought together into one clear and easy-to-use environment.

Built for today's healthcare operations, Events Management Server helps facilities improve response times, simplify communication, reduce missed events, and gain better visibility into what is happening across the building.

## **A smarter way to manage care communication**

Healthcare teams need more than a basic alarm display. They need a central system that can connect people, devices, departments, and workflows without adding complexity.

Events Management Server gives your team a single web-based interface to monitor alarms, emergency situations, room activity, staff calls, and integrated building events. Because it is browser-based, there is no complicated software to install on every workstation. Staff can securely access the system from authorized PCs, tablets, and other web-enabled devices.

The result is faster decisions, better coordination, and a more connected care environment.

## **Designed for the way healthcare facilities really work**

Every healthcare facility is different. Some rely on wireless devices, some on wired infrastructure, and many use a combination of both. Some need integration with PBX telephony, while others need surveillance, door access, mobile notification, or legacy system support.

Events Management Server was created to work across these environments. It is vendor independent, highly flexible, and designed to integrate with a wide range of devices and subsystems. That gives facility managers the freedom to expand, modernize, or migrate without being locked into one narrow ecosystem. Comparable platforms in this category also position centralized integration, open ecosystem support, and third-party interoperability as core buying criteria. )

## **Key benefits for the facility**

### **Centralized event management**

Collects alarms, calls, emergency events, and operational notifications into one intelligent platform.

### **Web-based access**

No heavy client software. Easy access through a secure browser-based interface.

### **AI-driven workflow support**

Helps prioritize events, improve visibility, and support faster response to critical situations.

### **Integrated phone PBX functionality**

Delivers calls and notifications through an embedded, full-featured PBX application for streamlined communication.

### **Vendor-independent architecture**

Works with wireless and wired devices and supports integration with third-party systems.

### **Access control and surveillance integration**

Brings together security-related activity and care-related events for better operational awareness.

### **Real-time monitoring and reporting**

Tracks events as they happen and stores a complete history for review, analysis, and accountability.

### **Flexible deployment without complicated licensing**

Designed to avoid restrictive time limits and unnecessary licensing complexity.

## **Why facility managers choose platforms like this**

In the market, advanced nurse call platforms are increasingly expected to deliver real-time communication, automated event recording, alert escalation, phone integration, and reporting that supports workflow improvement and patient satisfaction.

Events Management Server is designed around those same priorities:

Faster visibility into alarms and urgent events

Better staff communication across departments

Easier integration with existing infrastructure

Complete event history for management and review

A more scalable backend for future growth

## **Simple for staff. Powerful for management.**

For staff, the system is straightforward: receive events, see priorities, communicate quickly, and respond with confidence.

For management, the value goes deeper: better oversight, cleaner reporting, easier system expansion, and a more efficient way to manage critical communications across the facility.

Whether the goal is to modernize an aging nurse call installation, unify multiple building technologies, or deploy a more advanced and flexible backend, Events Management Server provides the foundation for a more intelligent healthcare communication platform.

## **Suggested feature block for the brochure**

### **Events Management Server helps you manage:**

Nurse call alarms

Emergency and code events

Staff communication workflows

Voice calls through integrated PBX

Access control activity

Surveillance-related events

Wireless and wired device activity

Third-party subsystem notifications

Historical records and audit reporting

## **Short version for the front page**

**Events Management Server** is a web-based, AI-driven backend application for Nurse Call Systems that brings alarms, calls, emergency events, security integrations, and device activity together into one powerful platform. It helps healthcare facilities improve response times, simplify communication, support operational efficiency, and gain full visibility across the care environment.

## **Strong sales closing paragraph**

Events Management Server is more than software. It is the intelligence layer behind a modern care communication system — built to connect people, devices, and events across the facility in one reliable and easy-to-manage platform. For healthcare operators looking for flexibility, visibility, and long-term value, it delivers a smarter path forward. Next step could be turning this into a polished two-page brochure layout with headline blocks, icons, and shorter marketing sections ready for PDF design.

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Designed to comply UL 1069 for wired system, and UL 2560 standard for the wireless NCS.

### UL 1069 Nurse Call System

The requirements in this standard cover the individual units and equipment that operate within the context of a fundamental hospital signaling nurse call system (NCS).

A fundamental NCS provides audible and visual communication between patients and staff in a health care facility and conforms to the minimum requirements established in the Health Care Facilities Code, NFPA 99, and the National Electrical Code, NFPA 70.

Accessory equipment or devices which are intended to be interfaced with a fundamental NCS to initiate routine calls or supplementary operation and which do not initiate emergency or code call signaling can be evaluated for compliance with applicable requirements described in this standard.

A minimal fundamental NCS performs the following operations:

- Call Initiation – Activation of a staff or patient request for assistance via fixed or portable call initiation station.

- Notification – Call annunciation (audible and visual) at a primary nurse control station.

- Notification – Call-placed indicator (visual) on the call initiation station.

- Notification – Call annunciation at a corridor lamp.

- Notification – Zone annunciation (audible and visual) on a zone lamp.

- Call reset/cancellation.

A fundamental NCS may employ a wireless interface to perform fundamental operations or a supplementary operation such as notification at a redundant portable nurse's station.

The units comprising a fundamental NCS covered by this standard are intended to be installed in patient care areas, staff areas, and support areas of a health care facility in accordance with the National Electrical Code, NFPA 70, and the Health Care Facilities Code, NFPA 99.

### UL 2560 Nurse Call System

These requirements cover the individual unit employed to form assisted and independent living emergency Nurse call systems (ECS) intended to provide audible and visual signaling between residents and assisted and independent living facility staff. Some examples include call initiation stations, call notification stations, and power supplies.

The units covered by these requirements are intended to be installed in either general or resident areas in accordance with the National Electrical Code, NFPA 70.

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