



FIRE ALARM MONITORING FOR PANELS OF ANY MAKE

Every fire panel. One screen. No fire ever hidden.

AlarmPulse Command Centre connects the fire alarm panels you already have, of any make and any age, to one control room. See every site at a glance, follow an alarm to the exact device, act on clear steps, and make sure the right people are told.

The screenshot displays the AlarmPulse Command Centre interface. At the top, there's a navigation bar with tabs: Overview, Alarm Desk, Live Monitoring (active), Devices, Mimic, and Event report. A search bar labeled 'Find a device...' is on the right. The user is logged in as 'Priya Nair - Operator'. Below the navigation bar, a status bar shows 'Live Monitoring 2 Fire · 1 Pre-alarm · 42 Faults'. The main area is divided into three panels. The left panel, 'LIVE TIMELINE', lists recent events: FIRE 01:48:43 not acknowledged (Demo Business Park, Mumbai - Tower A L3 · L3 Open Plan East), FIRE 01:48:43 not acknowledged (Demo Business Park, Mumbai - Tower A L3 · L3 Open Plan East), and PRE-ALARM 01:48:43 not acknowledged (Demo Business Park, Mumbai - Tower A L3 · L3 Open Plan East). The middle panel, 'Tower A - Level L3', shows a floor plan with various rooms and a legend indicating Fire (red), Fault (yellow), and Normal (green) status. The right panel, 'DEMO BUSINESS PARK, MUMBAI · TOWER A', shows a site plan and a list of alarms: Pre-alarm - Tower A L6, Pre-alarm - Tower A L5, Pre-alarm - Tower A L4, Fire - Tower A L3, Pre-alarm - Tower A L2, Pre-alarm - Tower A L1, Pre-alarm - Tower A G, and Pre-alarm - Tower A B1. A summary at the bottom right states: 'All 2 fire alarms at Demo Business Park, Mumbai are on Level L3 (Tower A)'.

See everything

Every site, building, floor and device, live, on one map.

Act with confidence

What to do, who to call and which exits are safe, for every alarm.

Never blind

A panel that stops talking is named on every screen, at once.



THE CHALLENGE

Mixed estates, many panels, one control room

Most organisations run fire alarm panels of several makes and ages across their buildings. Each has its own display, its own software and its own way of reporting. Control rooms juggle screens, faults drown out alarms, and nobody notices when a panel quietly stops talking.

AlarmPulse puts every panel on one screen, in one language, with fire alarms always first. It reads each panel through the interface it already has, so there is nothing to replace at the panel.

5

ways to connect a panel of any make

≤1.2s

fire alarm on screen, p99, during a fault storm*

~400

events per second sustained*

0

events lost across link cuts and restarts*

See

- World map of every site, scored and sorted, worst first.
- The building's own drawing with floors marked, then the floor plan with each device.
- One live event feed across every panel and make.

Act

- An Alarm Desk built for handling: acknowledge, clear with the outcome, record the cause.
- "What to do" for every alarm: the site's steps, numbers, contacts and safe exits.
- A failed loop is one incident, not 150 alarms.

Tell

- Unacknowledged fires escalate to people in turn: email, Telegram, webhook, SMS gateway.
- "All clear" and "Panel reset" close each escalation.
- Building systems read live state over Modbus TCP, BACnet/IP and MQTT.

Prove

- Every change, sign-in and action in a tamper-evident audit trail.
- Every outage recorded, with the period nothing was heard.
- Reports for any period, in CSV or Excel.

Works with fire alarm panels of any make

FIVE INTERFACES

Loop protocol

Two-way, every device and analogue value

Printer / event port

Serial or IP: alarms, faults, restores

Modbus TCP

Zones and loop devices

Alarm transmitter

GB/T 26875.3 over TCP

Relay contacts

Common fire and fault, any panel

*AlarmPulse lab load test, Oct 2026: simulated multi-site loop failures (150+ devices per loop) on a single PC.



01 • SEE

From the world map to the detector, in three clicks

Live Monitoring follows the newest unacknowledged fire automatically. The map shows every site, the building appears with its floors marked, and the floor plan glows where each device is in alarm.

Live Monitoring 2 Fire · 1 Pre-alarm · 42 Faults

LIVE TIMELINE

- FIRE** 01:48:43 not acknowledged
Demo Business Park, Mumbai · Tower A L3 · L3 Open Plan East
- FIRE** 01:48:43 not acknowledged
Demo Business Park, Mumbai · Tower A L3 · L3 Open Plan East
- PRE-ALARM** 01:48:43 not acknowledged
Demo Business Park, Mumbai · Tower A L3 · L3 Open Plan East

01:49:32 **Not heard** · No data since 2026-10-16 01:48:22 IST · not monitored

15 Oct 22:48 **Fire** · Tower A L2 · Loop 2 · Device 115 · L2 Training

15 Oct 22:48 **Fire** · Tower A L2 · Loop 2 · Device 073 · L2 Open Plan West

15 Oct 22:48 **Fire** · Tower A L2 · Loop 2 · Device 134 · L2 Lift Lobby

15 Oct 22:48 **Fire** · Tower A L1 · Loop 2 · Device 026 · L1 Breakout / Collaboration

01:42:42 **Fault** · Tower A L5 · Loop 3 · Device 198 · L5 Server Room

01:02:42 **Fire** · Tower A L3 · Loop 2 · Device 191 · L3 Open Plan East

01:12:42 **Fire** · Tower A L3 · Loop 2 · Device

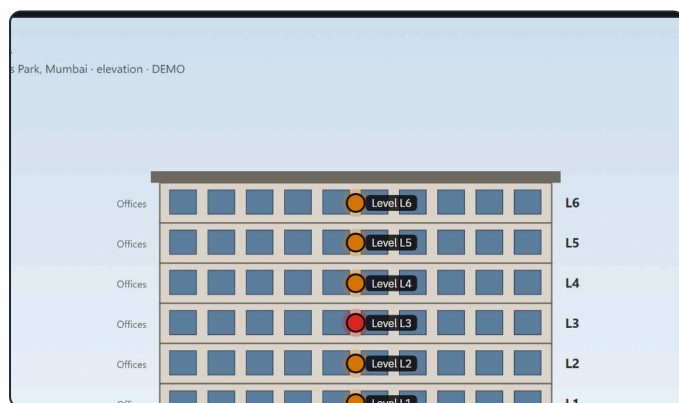
Tower A - Level L3

DEMO BUSINESS PARK, MUMBAI - TOWER A

Pre-alarm · Tower A L6
Pre-alarm · Tower A L5
Pre-alarm · Tower A L4
Fire · Tower A L3
Pre-alarm · Tower A L2
Pre-alarm · Tower A L1
Pre-alarm · Tower A G
Pre-alarm · Tower A B1

Pre-alarm · Level B1 · Tower A B1
Pre-alarm · Level G · Tower A G
Pre-alarm · Level L1 · Tower A L1
Pre-alarm · Level L2 · Tower A L2
Fire · Level L3 · Tower A L3
Pre-alarm · Level L4 · Tower A L4
Pre-alarm · Level L5 · Tower A L5
Pre-alarm · Level L6 · Tower A L6

Live Monitoring. The live timeline (left), the floor in alarm with each device (centre), and the building with its floors (right).



The building. Floors marked on the building's own drawing or photo; the worst state per floor.

- **All / Fire / Faults filter** on the map; a hidden fire is always counted in red.
- **Zones and exits** drawn on the plan; an exit whose route passes a zone in alarm is greyed out.
- **Plain sentences:** "All 2 fire alarms at Demo Business Park are on Level L3 (Tower A)."

2 Active fire alarms

43 Active alarms

45 Unacknowledged

LATEST EVENTS

- CRITICAL FIRE**
Tower A L2 · mumbai-facp-1 · Loop 2 · Device 115
- CRITICAL FIRE**
Tower A L2 · mumbai-facp-1 · Loop 2 · Device 073
- CRITICAL FIRE**
Tower A L2 · mumbai-facp-1 · Loop 2 · Device 134
- CRITICAL FIRE**
Tower A L1 · mumbai-facp-1 · Loop 2 · Device 026
- HIGH** mumbai-facp-1 loop 3: 5 devices · DIRTY DETECTOR
5 events grouped as one incident (a loop card or wiring fault is likely) · click to show them
- CRITICAL FIRE**
Tower A L3 · mumbai-facp-1 · Loop 2 · Device 191

Counts you can trust. Fires, alarms and unacknowledged events, always said "from 9 of 11 panels heard" when one is silent.

- **Floor buttons** coloured by state; a click opens that floor.
- **Cameras** covering the zone in alarm pop up, only when they are streaming.
- **Full screen** for video walls; maps keep working through an internet outage.



02 • ACT

An Alarm Desk built for the moment it matters

Every active alarm, fire first, with who acknowledged it and when. Operators act from one row: what to do, the incident's story, acknowledge, clear.

Active alarms. Fires on top; a failed loop grouped into one expandable incident.

What to do. The site's steps, then the building type's, the site procedure, numbers and contacts. Each ticked step is recorded.

- **Acknowledge and clear** with the outcome: real fire, false alarm, test, fault, other.
- **False-alarm causes** (cooking steam, dust, aerosol, hot works...) feed the false-alarm report.
- **Batch clear** by time window after a known event, every row audited.
- **Loop failures** become one incident with one notification.
- **Incident timeline** with notes from every operator.
- **Isolations** with reason, work type, permit and return date; a reminder when one overstays.
- **Shifts:** who is on duty, and a handover note for the next shift.
- **Alarm sound and alerts** on every page, so a new fire is never missed.

Safety first: tagging an alarm never acknowledges, silences or resets it, and never stops its escalation.



03 • TRUST

The worst failure is the one nobody sees

A panel whose link is down looks exactly like a quiet panel, unless the software says so. AlarmPulse names every panel it cannot hear, on every screen, and never says "all clear" while one is missing.

The screenshot shows the AlarmPulse Command Centre interface. At the top, there's a navigation bar with tabs: Overview, Alarm Desk, Live Monitoring, Devices, Mimic, and Events. A search bar for devices is also present. The main header area displays the AlarmPulse logo, the text 'COMMAND CENTRE', and a 'Live' status indicator showing the time as 1:54:23 AM. Below this, a summary bar indicates '1 of 1 site down · 1 of 1 panel not monitored' with a sub-status '1 Disconnected' and 'New: mumbai-facp-1'. Four large status cards are shown: '2 Active fire alarms no panel heard', '43 Active alarms no panel heard', '45 Unacknowledged no panel heard', and '0/1 Panels online · 1 offline'. The 'LATEST EVENTS' section lists several incidents: a 'HIGH COMM_LOSS_FAULT' for mumbai-facp-1, a 'HIGH LINK_LOST' for mumbai-facp-1, and two 'CRITICAL FIRE' events for Tower A L2.

The panel goes quiet. "1 of 1 panel not monitored", named, every count marked "no panel heard", the lost link recorded as events.

The screenshot shows the 'Service status' page in the AlarmPulse Command Centre. It indicates that the system is 'Working, with something to look at' as of 10/16/2026, 1:51:32 AM. A table lists the status of various components: Sign-in (requires session), Database (SQLite responding), Panels heard (all 1 panel in service), Notifications (running), Maps (last fetched 2 min ago), and Last backup (no backup found).

Service status. Sign-in, database, panels heard, notifications, maps and the last backup, each green, amber or red.

- **Every outage is an event:** when a link drops and when it comes back, with the gap in between.
- **Found on resync:** events that arrive after a reconnect are tagged, never passed off as live.
- **Server outages too:** if AlarmPulse itself was down, that period is recorded for every panel.
- **Store and forward:** site agents keep events on disk through an outage and resend them in order, each stored once.
- **Connection check** in the header: your device, the server and the fire system, with the last update time.



04 • TELL

If nobody acknowledges, someone is told

Escalation chains send an unacknowledged alarm to people in turn, each after their wait time, until someone acknowledges or clears it on the Alarm Desk. When the alarm clears, everyone who was told hears that too.

The screenshot shows the AlarmPulse Command Centre interface. The top navigation bar includes 'Operate', 'Configure', 'Integrate', and 'Admin' tabs. The 'Configure' tab is active, and the 'Notifications' sub-tab is selected. The main content area is titled 'Notifications' and contains three sections: 'Contacts', 'Escalation chains', and 'Test mode'.

Contacts

People to notify, and how to reach them. A webhook is an HTTP address that takes a message - an SMS or voice gateway. Use "Test" to check each way works before relying on it.

Name	Email	Telegram chat id	Webhook	
Duty security officer			http://127.0.0.1:5091/notify	<button>Test webhook</button> <button>Remove</button>
Facility manager			http://127.0.0.1:5091/notify	<button>Test webhook</button> <button>Remove</button>
Regional safety head			http://127.0.0.1:5091/notify	<button>Test webhook</button> <button>Remove</button>

Form fields: Name, Email, Telegram chat id, https://... (SMS / voice gat), Add contact

Escalation chains

A chain is for one site (or every site that has no chain of its own) and an alarm severity: CRITICAL is a fire alarm, HIGH is any other alarm. A site's own chain is used before the every-site one.

Name	Site	Severity	Steps	
Fire - every site	Every site	CRITICAL	1. Duty security officer by webhook, then 0.05 min 2. Facility manager by webhook, then 0.05 min 3. Regional safety head by webhook	<button>Remove</button>

Form fields: Chain name, Every site (dropdown), CRITICAL (fire) (dropdown), Duty security officer (dropdown), email (dropdown), then wait 5 min, + Step, Save chain

Test mode

During a drill, alarms at the site notify nobody. Test mode ends by itself at the time shown.

Site	Test mode
Demo Business Park, Mumbai	off

Notifications. Contacts with a Test button, and chains per site and severity.

- **Channels:** email, Telegram, and webhook for any SMS or voice provider.
- **Chains** per site and severity: a site's own chain, or one for every site.
- **Stops** the moment an alarm is acknowledged or cleared.
- **"All clear" / "Panel reset"** sent once to everyone who was messaged.
- **Test mode** for drills, so a drill notifies nobody.
- **Restart-safe:** a server restart never loses or repeats a step.
- **Every attempt recorded,** sent or failed, with the reason.
- **Fire alarms also go out at once** to a Telegram group, on top of the chains.



05 • KNOW

Every device, every event, every report

Find any device in seconds, see why it is in fault and what it did last month, and hand management the report they ask for.

AlarmPulse COMMAND CENTRE

Overview Alarm Desk Live Monitoring **Devices** Mimic Event

Devices

Fault Okay All All sites All zones Search device, zone, panel, reas

TOWER A B1 (5)

- B1 Car Park** Heat Detector mumbai-facp-1 · Loop 1 · Device 023 Demo Business Park, Mumbai > Tor
- B1 LV Switch Room** Optical Smoke Detector mumbai-facp-1 · Loop 1 · Device 024 Demo Business Park, Mumbai > Tor
- B1 Car Park Exit** Manual Call Point mumbai-facp-1 · Loop 1 · Device 025 Demo Business Park, Mumbai > Tor
- B1 Stair A Door Release** Output Module mumbai-facp-1 · Loop 1 · Device 026 Demo Business Park, Mumbai > Tor
- B1 Corridor** Sounder mumbai-facp-1 · Loop 1 · Device 027 Demo Business Park, Mumbai > Tor

TOWER A G (6)

- G Mail Room** Optical Smoke Detector mumbai-facp-1 · Loop 1 · Device 191 Demo Business Park, Mumbai > Tor
- G Café & Seating** Multi-Sensor Detector mumbai-facp-1 · Loop 1 · Device 192 Demo Business Park, Mumbai > Tor

Devices. Every device not okay, by zone; filter by site, zone or state.

L3 Open Plan East

Panel mumbai-facp-1 · address L2:D191 · Loop 2 · Device 191

Fire alarm active - FIRE
Since 2026-10-16 01:48:43 IST. Not acknowledged. Handle it on the Alarm Desk.

Panel mumbai-facp-1 **Online**

Make Addressable

Type Optical Smoke Detector

Zone Tower A L3

Site Demo Business Park, Mumbai

Floor plan Demo Business Park, Mumbai / Tower A / Level L3

DIAGNOSTICS

Faults, last 7 days 0

Faults, last 30 days 0

Reports, last 24 h 1

Last report Oct 16, 2026, 1:02 AM

One device. "Loop 2 · Device 191", diagnostics and history.

AlarmPulse COMMAND CENTRE

Overview Alarm Desk Live Monitoring Devices Mimic **Event report** Find a device...

Event report

Time Last 24 hours Site All sites Panel All panels

☐ Fire ☐ Alarm ☐ Fault ☐ Disabled ☐ Restored ☐ Operations ☐ Communication ☐ Information ☐ Not known

9 events match Download CSV Download Excel

- CRITICAL FIRE** Tower A L2 · mumbai-facp-1 · Loop 2 · Device 115
- CRITICAL FIRE** Tower A L2 · mumbai-facp-1 · Loop 2 · Device 073
- CRITICAL FIRE** Tower A L2 · mumbai-facp-1 · Loop 2 · Device 134
- CRITICAL FIRE** Tower A L1 · mumbai-facp-1 · Loop 2 · Device 026
- HIGH DIRTY DETECTOR** Tower A L5 · mumbai-facp-1 · Loop 3 · Device 198
- CRITICAL FIRE** Tower A L3 · mumbai-facp-1 · Loop 2 · Device 191
- CRITICAL FIRE** Tower A L3 · mumbai-facp-1 · Loop 2 · Device 182
- HIGH PRE-ALARM** Tower A L3 · mumbai-facp-1 · Loop 2 · Device 182
- HIGH DIRTY DETECTOR** Tower A B1 · mumbai-facp-1 · Loop 1 · Device 016

Event report. By time, site, panel and type; CSV or Excel.

- **Loop and device** shown plainly: "Loop 1 · Device 023".
- **Not placed on a map** list, so no device is left off a floor plan.
- **False-alarm report** by cause, site and device.

AlarmPulse COMMAND CENTRE

Overview Alarm Desk Live Monitoring Devices Mimic

Fire alarm monitoring for one building - every panel, alarm and fault, down to the floor plan, c

2 Active fire alarms

43 Active alarms

LATEST EVENTS

- CRITICAL FIRE** Tower A L2 · mumbai-facp-1 · Loop 2 · Device 115
- CRITICAL FIRE** Tower A L2 · mumbai-facp-1 · Loop 2 · Device 073
- CRITICAL FIRE** Tower A L2 · mumbai-facp-1 · Loop 2 · Device 134
- CRITICAL FIRE** Tower A L1 · mumbai-facp-1 · Loop 2 · Device 026
- HIGH mumbai-facp-1 loop 3 · 5 devices · DIRTY DETECTOR**

Overview. Fires, alarms and the latest events, at a glance.

- **Device search** from any page, by name, zone or address.
- **Glossary** of every device symbol on the plans.
- **Event rules** re-class a panel's own text, never lowering a fire.



06 • BUILD

Set up a site in an afternoon

Commissioning engineers build each site in the browser: buildings, floors, floor plans and devices, emergency contacts and the site's own fire procedure. A site moves from Commissioning to Live only when it is ready.

The screenshot shows the 'Project Builder' interface for 'Demo Business Park, Mumbai / Tower A / Level L3'. The left panel displays a 'Floorplan Image' with a grid of rooms and corridors. The right panel shows a list of 'DEVICES' for 'On this floor (98)'. The devices listed are:

- L2:D164: Tower A L3 L3 Open Plan West
- L2:D165: Tower A L3 L3 Open Plan West
- L2:D166: Tower A L3 L3 Open Plan West
- L2:D167: Tower A L3 L3 Open Plan West
- L2:D168: Tower A L3 L3 Open Plan West
- L2:D169: Tower A L3 L3 Open Plan West
- L2:D170: Tower A L3 L3 Open Plan West
- L2:D171: Tower A L3 L3 Open Plan West
- L2:D172: Tower A L3 L3 Open Plan West

Floor plan. Upload the drawing, then place each device; the list shows what is placed.

The screenshot shows the 'Project Builder' interface for 'Demo Business Park, Mumbai / Tower A'. The left panel displays a 'Building Image' showing a vertical cross-section of the tower. The right panel shows a 'Floors' section with a grid of floors from B1 to L6. The floors are labeled as follows:

- B1: Car park / Plant
- L1: Lobby / Retail
- L2: Offices
- L3: Offices
- L4: Offices
- L5: Offices
- L6: Offices

The building. Floors marked on its own drawing. **Building types:** Commercial, hospital, industrial, pharma, residential, mall / cinema, hotel: the usual floors are added for you.

- **Device lists imported** from a spreadsheet.
- **Type steps** added to "What to do": horizontal evacuation in a hospital, refuge floors in a residential tower.
- **Site requests:** a customer submits a new site with its drawings for review.

The screenshot shows the 'Project Builder' interface for 'Demo Business Park, Mumbai'. The left panel displays the 'Site state' section, which includes a 'Live' button and a 'Back to commissioning' button. The right panel shows the 'Emergency contacts, procedure and actions' section, which includes a table of emergency contacts and a 'Procedure summary' section.

Name	Role	Phone
Security control room	24 h	+91 22 4000 1100
Facility manager	Site lead	+91 98200 11223

Procedure summary
Approved Fire procedure, rev 4:
Suggested actions per event (defaults shown; edit to suit this site)
Save procedure and actions

The site. Its state, emergency contacts, procedure and suggested actions.

- **Zones and exits** drawn on each floor, from the approved plan.
- **Changes to Live sites** kept as drafts, approved and published.
- **Maintenance mode** for planned works, returning to Live by itself.



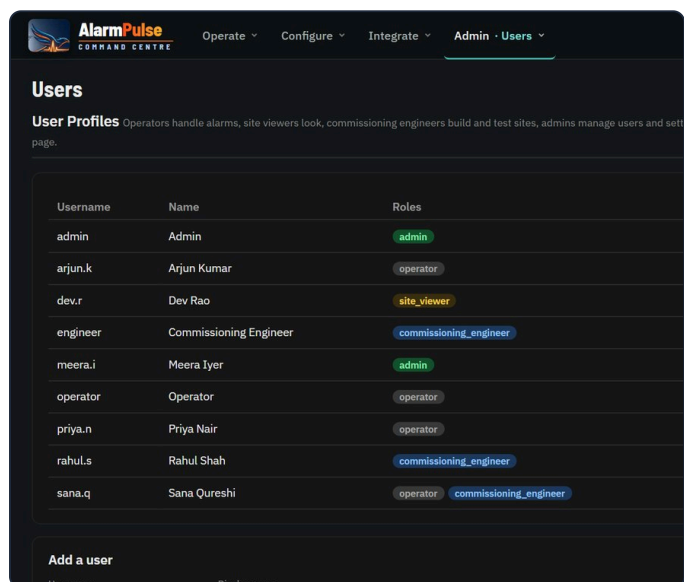
Open to your systems, closed to everyone else

Building management and data

- **Modbus TCP server** (port 502): status, analogue and flag registers, and a command mailbox.
- **BACnet/IP device** (UDP 47808) with binary and analogue objects.
- **MQTT** events from every panel, with TLS and one login per site.
- **REST API v1** with an OpenAPI description, for your own dashboards.
- **Allowed BMS clients** listed by address; firewall commands generated for you.
- **Every BMS command write** recorded in the audit trail.

Access and accountability

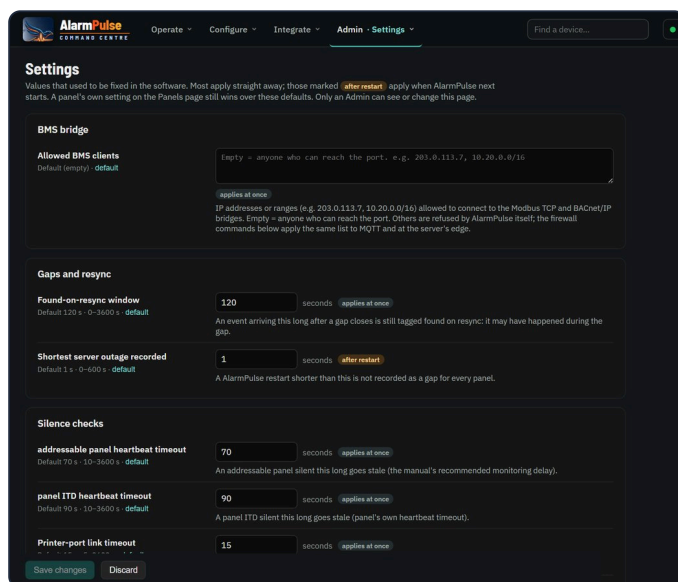
- **Four roles:** operator, site viewer, commissioning engineer, admin; per site and until a date.
- **Two-step sign-in** for engineers and admins, with an authenticator app that works offline.
- **Tamper-evident audit trail:** each record sealed to the one before.
- **Break glass:** urgent actions outside a role, with a reason, flagged for review.
- **Sign-in throttling** and PBKDF2-SHA256 password hashing.
- **Signed licence** that never stops monitoring, even when it expires.



The screenshot shows the 'Users' management interface in the AlarmPulse Command Centre. It features a table of user profiles with columns for Username, Name, and Roles. Below the table is an 'Add a user' form.

Username	Name	Roles
admin	Admin	admin
arjun.k	Arjun Kumar	operator
dev.r	Dev Rao	site_viewer
engineer	Commissioning Engineer	commissioning_engineer
meera.i	Meera Iyer	admin
operator	Operator	operator
priya.n	Priya Nair	operator
rahul.s	Rahul Shah	commissioning_engineer
sana.q	Sana Qureshi	operator, commissioning_engineer

Users. Each person, their roles and sign-in controls.



The screenshot shows the 'Settings' page in the AlarmPulse Command Centre. It contains several configuration sections: BMS bridge, Gaps and resync, and Silence checks. Each section has input fields for values and checkboxes for 'applies at once' or 'after restart'.

BMS bridge

Allowed BMS clients: Empty = anyone who can reach the port. e.g. 203.0.113.7, 10.20.8.8/16

Gaps and resync

Found-on-resync window: 120 seconds

Shortest server outage recorded: 1 seconds

Silence checks

addressable panel heartbeat timeout: 70 seconds

panel ITD heartbeat timeout: 90 seconds

Printer-port link timeout: 15 seconds

Settings. Allowed BMS clients, outage and silence checks.

Connections that dial out

PanelTunnel and the site agent connect **out** from the site, over SSH or HTTPS / MQTT with TLS. No port is opened at the site, and a direct panel on a public address is flagged so it is never left exposed.



08 • RUN

From one guard-house PC to a national monitoring centre

Single Building

One site on one Windows PC. Starts with Windows, restarts itself, needs no internet. Nothing else to install.

Multi-Site

Every site on one Linux server or cloud machine: PostgreSQL with TimescaleDB, MQTT with TLS, HTTPS with an automatic certificate.

Enterprise

Every interface and feature, with a standby server that keeps a live copy and takes over in about 15 seconds.

Built to keep running

- Nightly backup with an automatic restore test, so a bad backup is noticed the next morning.
- Upgrades back up first and roll back by themselves if the new version doesn't answer.
- Prometheus metrics and a service status page for your monitoring.
- Installs as an app on control-room PCs and tablets; light or dark theme, larger text, high contrast.

Options on any edition

- **Escalation:** notification chains and "All clear" messages.
- **BMS outputs:** Modbus TCP, BACnet/IP and MQTT command writes.
- **Panel commands:** reset, silence, relays, enable / disable, zone test.
- **CCTV:** camera pop-up for the zone in alarm.
- **Standby server** for Multi-Site.

Handling history. Who did what and when, with the outcome and cause; filter it, then export to CSV or Excel.

Scope of use

AlarmPulse is ancillary monitoring and building-systems integration software. It does not replace the fire alarm control panel: detection, alarm signalling, sounder control and evacuation remain with the panel and its approved installation.

See AlarmPulse on your own panels

Ask for a live demonstration with your site's floor plans and panels.

contact@alarpulse.live

www.alarpulse.co.in