



MySentinel

Executive pack

For the school-group owner — the pitch, pricing & the honest roadmap

100% Cloudflare

POPIA-aligned

en / af / zu

~R10 / learner / month

MySentinel — NFC-badge learner check-in & school-safety for South African schools. · Chain-owner doc suite · 2026-06-27

[MySentinel docs](#)

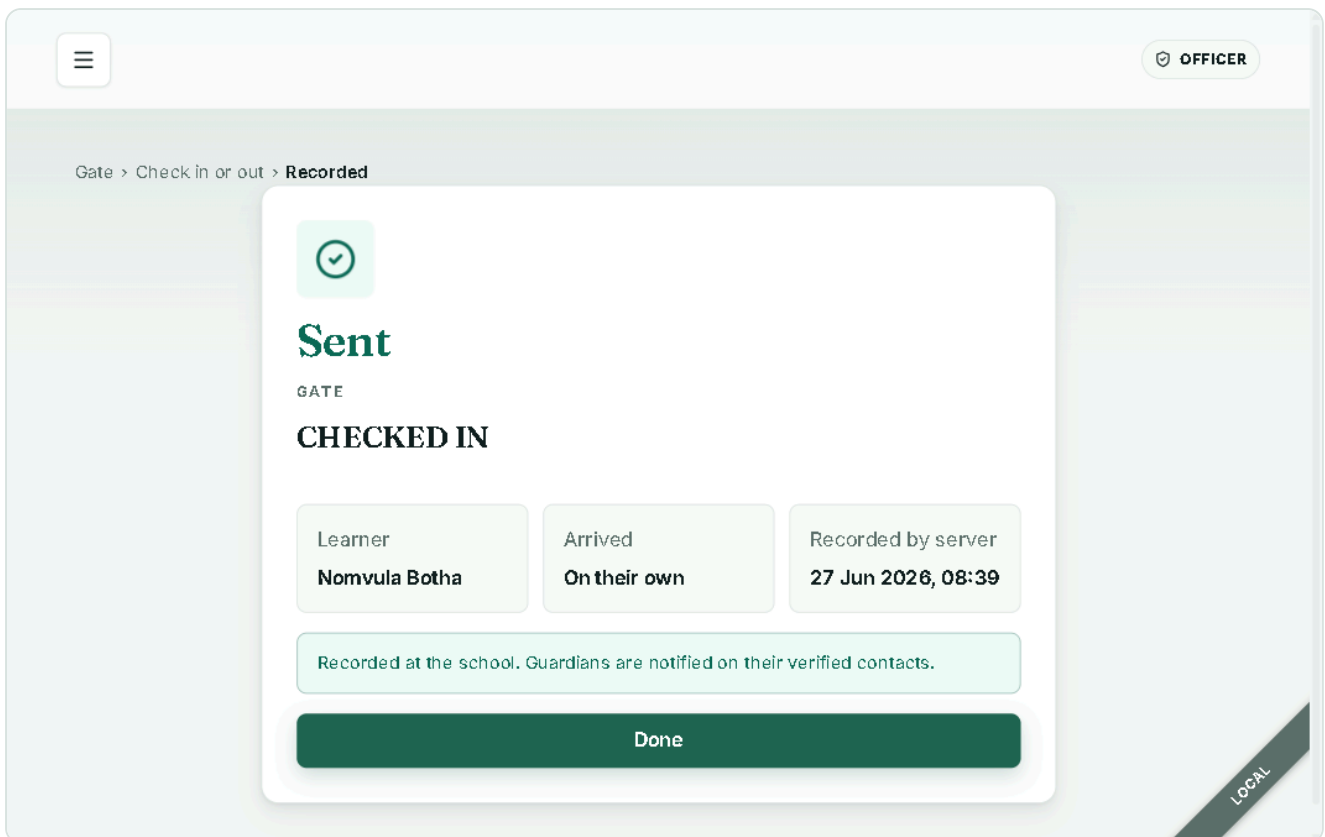
[MySentinel for school groups — the pitch](#)

[Pricing & commercials](#)

[Proven vs roadmap \(honesty sheet\)](#)

MySentinel docs

Welcome. **MySentinel** is an NFC-badge learner movement-tracking and school-safety platform built for South African schools, running entirely on Cloudflare. A security officer scans a learner's badge at the gate; MySentinel validates the check in or check out, records it immutably, updates a live admin dashboard and attendance in about a second, and notifies every verified guardian push-first (web push → email → WhatsApp → SMS). It speaks English, Afrikaans and isiZulu, keeps learner photos and guardian contacts encrypted at rest, and is built around POPIA from the ground up. This site is the single home for everyone who touches MySentinel — whether you are pitching it to a school group, running a demo, working a daily shift on it, or vetting it as a technical advisor.



Who each section is for

Section	For you if you want to...	Tone
Sell	Pitch MySentinel to a chain owner or principal — the value story, pricing (~R10/learner/month), and an honest roadmap.	Confident, evidence-led
Demo	Run a live walkthrough that lands every time, on the right environment, with the right framing.	Step-by-step runbook
Use	Do the job — scan at the gate, run the admin workspace, take a daily roll, onboard a campus, or check on your child.	Task-oriented "you" guides
Due diligence	Verify the claims — architecture, tenancy, security, encryption, and exactly what is shipped versus roadmap.	Plain, no hand-waving

Start here

New to MySentinel? Read these three first, in order.

1. **Pitch deck** — what MySentinel is, who it is for, and why it earns trust. The honest proven-versus-roadmap line is part of the pitch, not a footnote.
2. **Demo runbook** — the rehearsed chain-owner storyline: operator console as a wall-board → onboard a campus live → drop into one school as admin → the gate flow → the guardian portal → trust and compliance → commercial close.
3. **The five persona guides** — one short guide per role (below). Each opens with what the role can and cannot do, then walks the everyday tasks.

The five persona guides

MySentinel has five personas. Each guide is written in second person and is scoped to exactly what that role sees.

Role	What they do	Guide
Officer	Scans badges at the gate, confirms check in / check out, signs visitors in and out. Works on a phone, offline-tolerant.	Officer guide
Admin	Runs the full <code>/admin</code> school workspace — dashboard, learners, classes, attendance, emergency, safety mode, settings, staff, reports.	Admin guide
Class teacher	Captures the daily roll and approves pickup requests, scoped to their assigned classes only.	Class teacher guide
Operator	Cybertron platform staff — onboards new campuses through a durable Cloudflare Workflow and watches platform health.	Operator guide
Guardian	Opens the tokenised parent portal at <code>/p/[token]</code> — no login — to see each child's real-time status and manage requests.	Guardian (parent portal) guide

ADMIN DASHBOARD

● Live

Today's school status

**Nothing needs your attention right now**

0 on-site · 0 left for the day · 10 no tap yet

Q Find a learner — is who in or out right now?

10 learners not on site

On-site

0

Checked in today

0

Checked out today

0

Total active learners

10

LOCAL

Daily actions

Use these for the school-day tasks that usually need attention first.

Open attendance

Emergency message

Safety mode

Late pickups

Guardian approvals

Learners

Last updated 08:47:04

Go-live checklist

Refresh checklist

What still needs to happen before this school is fully live.

 Learner roster imported 4 of 10 learners checked in at least once (40% — 80% needed) 3 active staff members (3 needed) WhatsApp not connected yet [PREVIEW](#) 10 of 10 badges issued (100% — 80% needed) Photo encryption key ready — Legacy key

Needs attention

ALL CLEAR

Today's exceptions

No stragglers and no guardian contact issues right now.

By class

Class roll-up

Who is in by class, so you can see at a glance which registers are complete.

Grade R - Sunbird

Grade 1 - Marigold

Grade 2 - Phoenix

Grade 0 0 IN 2 OUT 2 ENROLLED	Grade 1 0 IN 2 OUT 2 ENROLLED	Grade 2 0 IN 1 OUT 1 ENROLLED
Grade 3 - Acacia Grade 3 0 IN 1 OUT 1 ENROLLED	Unassigned 0 IN 4 OUT 4 ENROLLED	

[Manage classes](#)

Live

Current learner status

- Aluwani Khumalo** NO TAP YET
Last check-in at 26 Jun 2026, 09:52
- Bongani Smit** NO TAP YET
No check-in or pick-up recorded yet
- Kgomotso Pillay** NO TAP YET
No check-in or pick-up recorded yet
- Lerato Nkosi** NO TAP YET
Last check-in at 26 Jun 2026, 09:39
- Mpho Sithole** NO TAP YET
No check-in or pick-up recorded yet
- Nomvula Botha** NO TAP YET
No check-in or pick-up recorded yet
- Refilwe van Wyk** NO TAP YET
No check-in or pick-up recorded yet
- Sipho Mokoena** NO TAP YET
Last check-in at 26 Jun 2026, 09:45
- Tendai Naidoo** NO TAP YET
No check-in or pick-up recorded yet
- Thandi Dlamini** NO TAP YET
Last check-in at 25 Jun 2026, 09:51

Patterns to watch

<p>Frequent late arrivals 0 learners late 3 or more times in the last 7 days</p>	<p>Absence risk 10 CHRONIC 10 of school days missed this year</p>	<p>Badge fleet health 10 Active badges learners awaiting a replacement badge</p>
<p>Guardian contacts failing 0 guardians with 3 or more failed contacts in the last 7 days</p>		

A quick orientation

- **The gate is the hero.** An officer taps a badge, picks In or Out, and chooses "arrived on their own" or "dropped off by a guardian" — guardian presence is recorded but optional. The screen confirms with an unmistakable green "CHECKED IN", a server timestamp, and "Guardians are notified on their verified contacts."
- **The dashboard answers first.** Admins land on "Today's school status" — who is on-site, who has left, who has not tapped yet — with a go-live checklist, class roll-up, and patterns to watch.
- **Onboarding is a click, not SQL.** Operators fill a three-step form and watch a durable Workflow tick provisioning steps green in real time.
- **Honesty is built in.** Channels show **Preview** versus **Live** badges and never fake a "sent". Colours are semantic everywhere: **green** = confirmed, **amber** = queued or at-risk, **red** = emergency only.

Honest status at a glance

We mark anything not yet live as **Roadmap** throughout these docs, because a buyer's technical advisor will check — and the honesty is part of the sell.

Today	Status
Officer gate flow (real NFC badge tap on Android , offline " Queued → Sent " outbox), guardian-optional release, real-time admin dashboard, deep per-school settings	Shipped, verified on UAT
Operator console + onboarding a new campus via a durable Workflow	Shipped, verified live (local)
Class-teacher scoped workspace + live pickup approvals; tokenised parent portal	Shipped, verified live (local)
RBAC tenant isolation, passkey step-up, channel honesty, trilingual en/af/zu, real web push	Shipped, verified live (local)
Group-scoped owner role — today "operator" is platform staff who sees <i>every</i> school on the platform, not an owner scoped to one chain	Roadmap
Physical per-campus sharding — shard-ready in code, but only <code>shard_0</code> is live (logical isolation by <code>school_id</code> today)	Roadmap
WhatsApp + SMS delivery — live and tested on UAT; each school still connects its own provider to switch them on per school (until then they demote to email)	Shipped, verified on UAT
Web push arriving on a real device, branded PDF / SAR rendering (Browser Rendering)	Shipped, verified on UAT

Where to demo: UAT only. Production is currently a hollow shell with no secrets — it is not yet a live environment. The demo runbook covers this framing.

For the full, line-by-line verdict behind this table — including the live walkthrough evidence and the fix-before-demo checklist — see the **Due diligence** section.

MySentinel for school groups — the pitch

Gate-to-guardian safety, one platform, every campus.

You run more than one school. Every morning, thousands of learners pass through your gates — and behind each one is a guardian who simply wants to know their child arrived safely. MySentinel turns that gate moment into a confirmed, immutable record and a push-first notification, on a single Cloudflare-native platform built for South African schools.

This deck is written to be checked. Where something is live, we say so. Where something is on the roadmap, we mark it **Roadmap** — because the honesty is part of what you are buying.

The problem

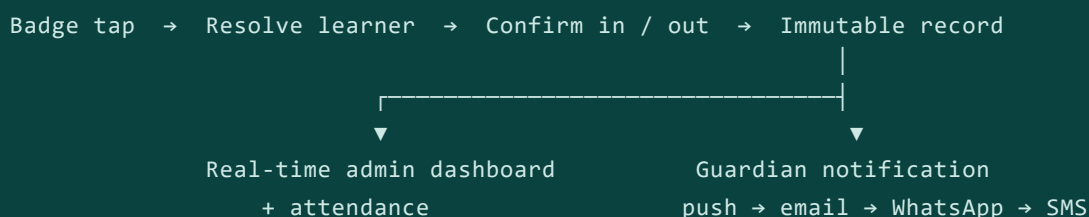
Running safety across many campuses is hard in ways a single-school tool never has to solve.

- **The gate is the highest-stakes, lowest-tech moment of the school day.** A learner arrives or leaves; today most schools log it on paper, in a WhatsApp group, or not at all. Nobody can answer "who is on-site right now?" with confidence.
- **Guardians are anxious and you can't reassure them at scale.** A parent at one campus gets an SMS; at another, nothing. Promises made and not kept erode trust faster than no promise at all.
- **POPIA raises the floor.** Learner and guardian PII, subject-access requests, retention windows — these are now legal obligations, not nice-to-haves, and they multiply with every campus.
- **Every campus is different.** Different brand, different parent language mix (English, Afrikaans, isiZulu), different gate layout, different going-home culture. A rigid one-size tool fights the school instead of fitting it.
- **You have no shared spine.** Onboarding a new campus is a project. Health across sites is invisible. Consistency depends on heroics.

You don't need a school-management system. You need the gate done right, everywhere, the same way.

The solution — gate to guardian, on one platform

A security officer scans a learner's NFC badge at the gate on their phone. MySentinel resolves the learner, validates the check-in or check-out, records it immutably, updates a real-time admin dashboard and attendance, and notifies every registered guardian push-first.



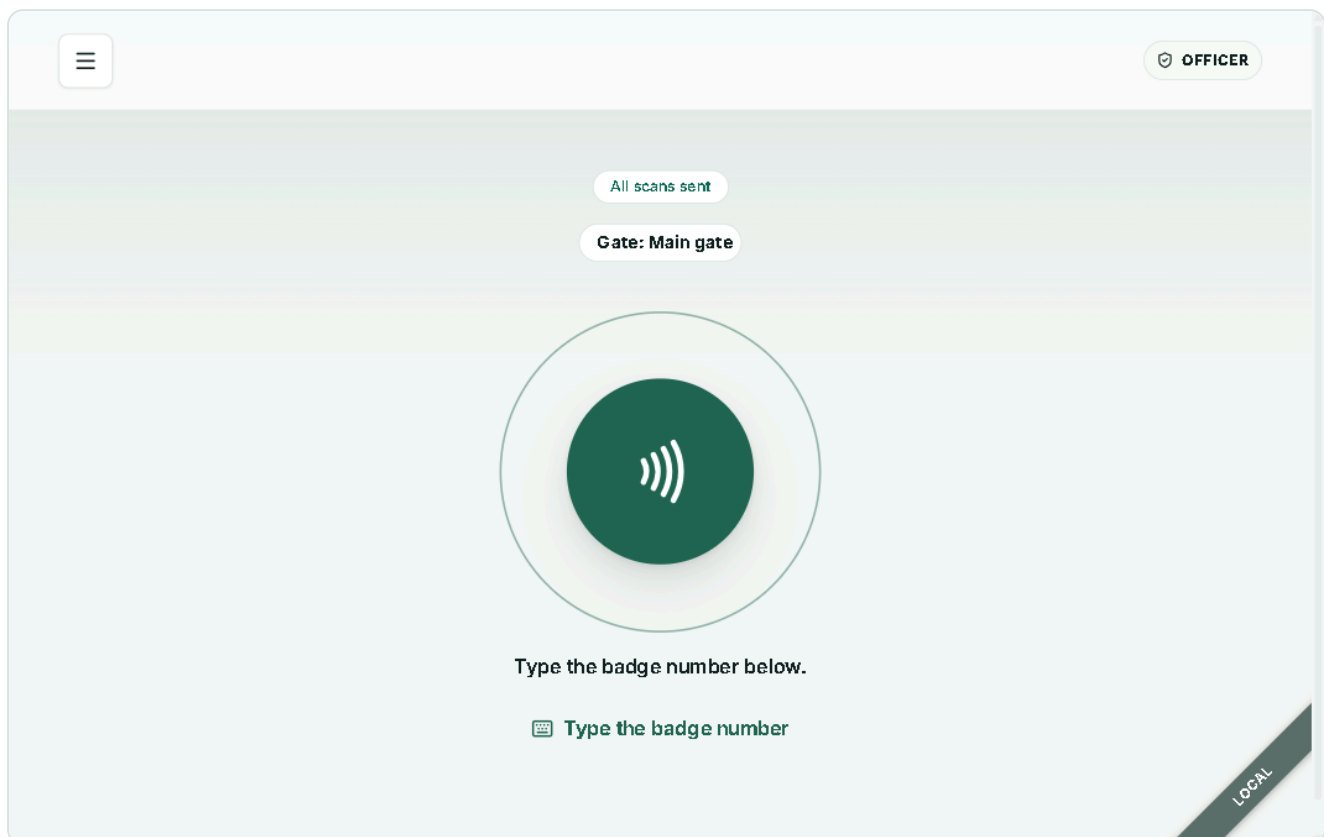
One platform carries five roles, each in the right place:

Role	What they do	Where
Officer	Scans badges, confirms check in / out, signs visitors in / out	PWA on a phone
Admin	Dashboard, learners, classes, attendance, emergency, safety mode, settings	<code>/admin</code> web workspace
Class teacher	Class roster, daily roll, pickup approvals — scoped to their classes only	<code>/class-teacher</code>
Operator	Cross-campus onboarding + health (platform staff)	<code>/operator</code> console
Guardian	Read-only, real-time learner status — no login	Tokenised parent portal <code>/p/[token]</code>

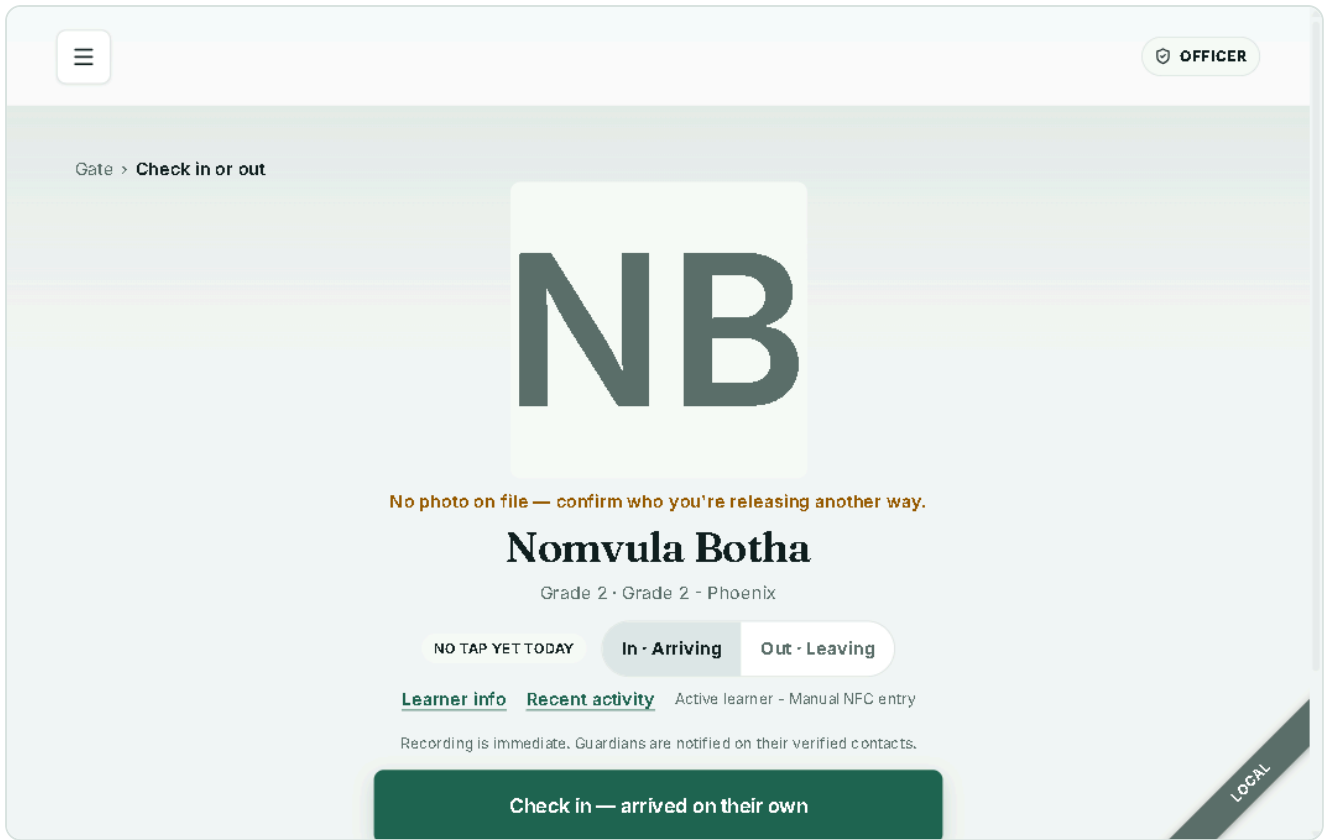
Built entirely on Cloudflare: Workers, D1, KV, R2, Queues, Durable Objects, Cron and Static Assets. No second cloud to operate, no servers to patch.

The hero moment — the gate

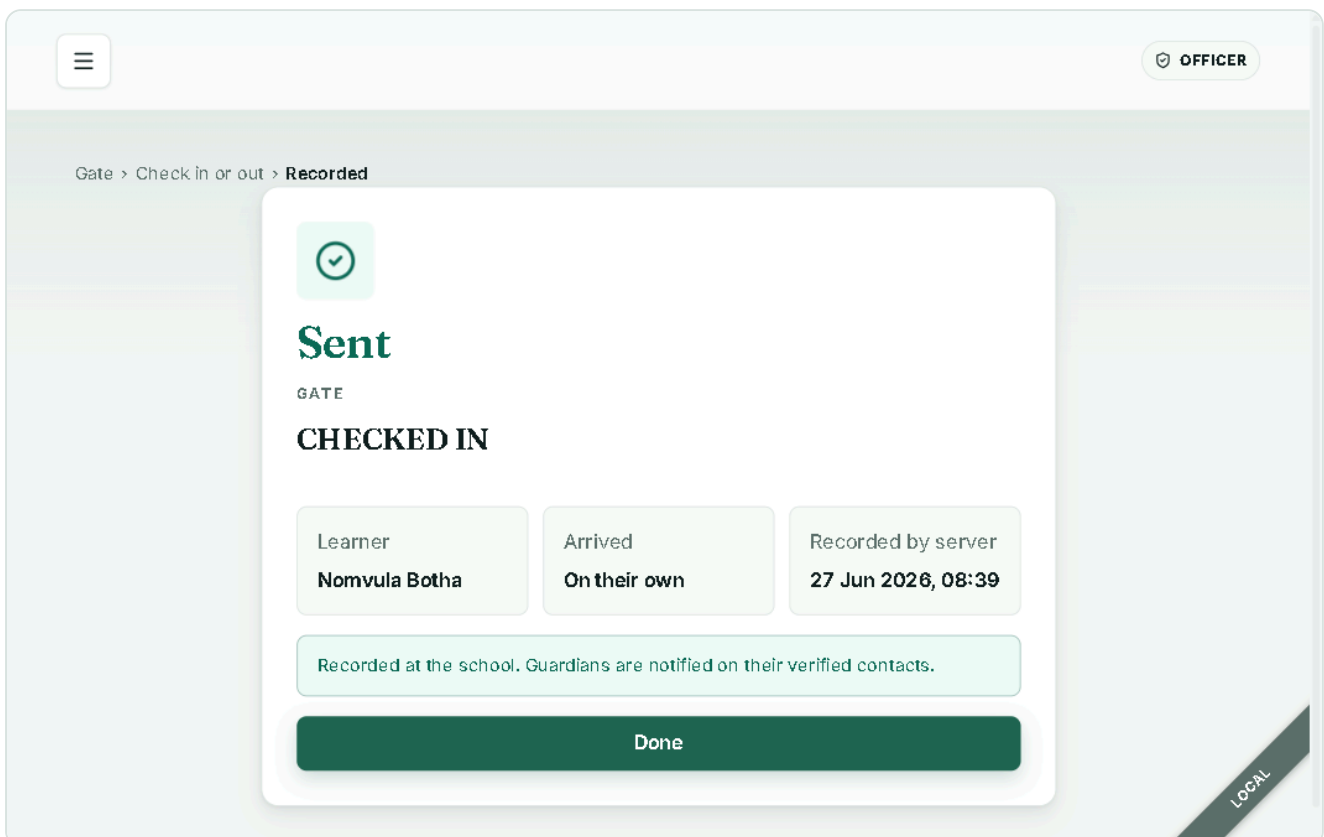
The officer's screen is deliberately boring to use and impossible to get wrong.



The gate screen says "**Scan a learner's badge**", shows the live status "**All scans sent**" and the active zone ("**Gate: Main gate**"), with a manual badge-number fallback for the rare unreadable tag.



The instant the badge resolves, the officer sees the learner's name and photo (or initials, with a plain safety note: **"No photo on file — confirm who you're releasing another way"**). Direction is inferred — **In · Arriving** / **Out · Leaving** — with a one-tap override. Releasing is honest about real South African school life: **"Check in — arrived on their own"** for learners who walk, taxi or come with a sibling, or **"Dropped off by a guardian"** when a named adult is involved. The line **"Recording is immediate. Guardians are notified on their verified contacts"** sets the expectation truthfully.



The confirmation is unmistakable: a green **"Sent"** badge, **"CHECKED IN"**, **"Recorded by server"**, and **"Recorded at the school. Guardians are notified on their verified contacts."** Green means the

server confirmed it; amber means it is saved offline and not yet sent. An officer never has to wonder whether a scan "took".

This whole path — scan, resolve, confirm, immutable record, four-queue guardian fan-out — is **shipped and verified live** on the local stack.

Why it is credible

Real-time, not refresh. The admin dashboard and the parent portal update live over a Cloudflare Durable Object SSE hub (`SchoolStreamHub`). A check-in in one tab moves the count in another.

Immutable by construction. Every state change is written to an append-only audit trail, enforced by a database trigger. (It is trigger-enforced, not a hash-chain or WORM store — stated plainly.)

Push-first, and honest about channels. Guardians are reached app push → email → WhatsApp → SMS. App push and branded email are **live**; WhatsApp and SMS show a neutral **Preview** badge until a school connects a provider, and they silently demote to email rather than pretend to deliver. The logs show a hashed recipient — channel honesty in the plumbing, not just the UI.

Per-campus identity, no UI fork. Each campus carries its own display name, logo, primary colour (deep teal `#1f6650`) and gold accent (`#c8923a`), default language and going-home policy — through one design-token system. Every campus is on-brand, in its parents' language.



ADMIN SETTINGS

School settings

* Required

Display name *

Required

Support email

Support phone

School logo

Primary color

Accent color

Default language *

Late arrival threshold

Save settings

LOCAL

Pickup curfew

Enable late-pickup watch

Pickup time

Grace minutes

Mon Tue Wed Thu Fri Sat Sun

Notification sending window

Limit sending times

Routine check-in and check-out messages are only sent between these times. Emergency, safety and late-pickup alerts are always sent immediately.

End-of-day auto-close

Auto-close on-site learners at a hard campus-close time

After this time, any learner still showing on-site is recorded as a presumed check-out (no parent notification) so attendance is complete and the dashboard doesn't show children at school overnight.

Hard campus-close time

Going-home policy

Learners may arrive and leave on their own

Most learners walk, take a taxi, or cycle. Turn this off only if your school requires an adult to collect every learner — officers will then always record who collected the learner, and the gate will refuse an on-their-own check-out.

Express scan mode

Auto-confirm scans where the learner goes on their own — no guardian choice needed.

Visitor sign in

visitor sign-in

- Record a phone number for every visitor
- Record a reason for every visit
- Record the visitor's ID number (stored encrypted)
- Record the visitor's vehicle registration

The officer's sign-in form only asks for what you switch on here. A visitor's name is always recorded.

Who visitors come to see

Reception
Teacher
Front Office
Principal / Management
Learner
Other

One option per line — the destinations the officer picks from at the gate (e.g. Reception, Teacher, Front Office). The officer also adds an optional name. Leave the defaults if you're not sure.

Emergency contact

Emergency contact name

Emergency contact number

Morning digest

One daily summary to every admin: learners not yet in, waiting requests and approvals, unread messages, and channel problems.

- Send morning digest

Send time

07:00



School-day mornings only. Sent within 5 minutes of this time.

Not sent yet

Weekly family summary

Send guardians one summary message every Friday at 16:00.

- Enabled

Preview

Demo Primary School

Accent

Support admin@example.com

Primary action

Gate zones

Name each gate where officers scan. Officers pick their gate when they start scanning.

Main gate

Rename

Remove

Add gate zone

School calendar

On these days we won't send digests, no-show nudges, or late-pickup alerts — a learner who scans still notifies their guardians. Weekends, public holidays, and out-of-term days are already handled automatically.

Spring break (school programme closed)

2026-09-28 → 2026-10-02

Remove

From

yyyy/mm/dd



To (optional)

yyyy/mm/dd



Reason

e.g. Teacher training

Add closed day

Absence nudges

Send one friendly message to guardians when a learner is absent with no explanation.

Send morning absence nudges

Send time (school time)

09:30

Save settings

Offline pack

Allow officers to download an offline pack

Include learner photos in the pack

Pack lifetime (hours)

12

Save settings

SMS channel PREVIEW

SMS IS ON FOR THIS SCHOOL

Reach guardians on any phone — no app, no data needed.

Preview — switches on once your school connects an SMS provider. App notifications and email are live now.

SMS is set up by your MySentinel operator. Contact support to change it.

Channel usage

2026-06

Preview — WhatsApp and SMS switch on once your school connects a provider. App notifications and email are live now.

No metered messages this month

Trilingual. The app UI ships in English, Afrikaans and isiZulu — idiomatic translations, not machine pastes.

Tenant isolation is existential-grade. `school_id` is always taken from the verified JWT, never a browser header. Every query is school-scoped. An officer who opens `/admin` is bounced; an admin who opens `/operator` is bounced; sensitive admin actions require a real WebAuthn passkey step-up. All proven live.

POPIA built in. Encryption at rest for sensitive PII (per-school AES-GCM photo keys; sealed-plus-hash guardian and visitor contacts), subject-access export, erasure with a mandatory 30-day cool-off, and per-school retention windows.

The guardian side — peace of mind, no app to install

The screenshot shows a user interface for a guardian portal. At the top left, there is a logo with the letter 'M' and the text 'MySentinel'. At the top right, the word 'Account' is displayed. Below this, the school name 'Demo Primary School' is shown, followed by a greeting 'Hi Thandiwe,'. A green bar indicates 'Today: 1 at school'. A learner's profile is shown with a circular icon containing 'LN', the name 'Lerato Nkosi', and the grade 'Grade R - Sunbird'. A green bar below the profile shows 'At school — arrived 09:39' with a dot indicating the current status. A 'View today' link is present. Under the heading 'Attendance', there are four buttons: 'View sick notes', 'My requests', 'Pickup delegation', and 'Account preferences'. The 'Install MySentinel' button is highlighted in dark green. Below the buttons, a message states 'Your secure school link is active until 27 Jul 2026, 08:57.'. At the bottom left, the word 'Account' is repeated, and at the bottom right, it says 'Powered by MySentinel'. A dark grey diagonal banner in the bottom right corner contains the word 'LOCAL'.

Guardians don't create accounts. They get a secure, tokenised link to a portal — **"Parent portal"**, **"Hi Thandiwe,"**, **"Today: 1 at school"** — showing each linked learner's real-time status, e.g. **"At school — arrived 09:39"**.

Back

Demo Primary School

LN **Lerato Nkosi**

Grade R - Sunbird

At school — arrived 09:39

Checked in by Thandiwe Nkosi

If this does not look right, please contact the school office.

[View attendance](#)[Request early pickup](#)[Report sick day](#)

Today

Lerato Nkosi is currently at school. There are no earlier updates in this secure link.

Earlier this week

26 Jun 2026, 09:39 **Arrival**
with Thandiwe Nkosi

25 Jun 2026, 16:32 **Departure**
with Thandiwe Nkosi

25 Jun 2026, 09:39 **Arrival**
with Thandiwe Nkosi

[Account](#)

Powered by MySentinel

LOCAL

From there they view today, attendance and sick notes, manage pickup delegation and per-child notification preferences, and install the app for real push. The footer reads "**Powered by MySentinel**" and the link expires on a stated date. This is the trust surface that, across many campuses, lets you make one promise to every parent — and keep it.

The admin workspace — answer-first

ADMIN DASHBOARD

● Live

Today's school status

**Nothing needs your attention right now**

0 on-site · 0 left for the day · 10 no tap yet

Q Find a learner — is who in or out right now?

10

learners not on site

On-site

0

Checked in today

0

Checked out today

0

Total active learners

10

Daily actions

Use these for the school-day tasks that usually need attention first.

Open attendance

Emergency message

Safety mode

Late pickups

Guardian approvals

Learners

Last updated 08:47:04

LOCAL

Go-live checklist

Refresh checklist

What still needs to happen before this school is fully live.

 Learner roster imported 4 of 10 learners checked in at least once (40% — 80% needed) 3 active staff members (3 needed) WhatsApp not connected yet [PREVIEW](#) 10 of 10 badges issued (100% — 80% needed) Photo encryption key ready — Legacy key

Needs attention

ALL CLEAR

Today's exceptions

No stragglers and no guardian contact issues right now.

By class

Class roll-up

Who is in by class, so you can see at a glance which registers are complete.

Grade R - Sunbird

Grade 1 - Marigold

Grade 2 - Phoenix

Grade 0 0 IN 2 OUT 2 ENROLLED	Grade 1 0 IN 2 OUT 2 ENROLLED	Grade 2 0 IN 1 OUT 1 ENROLLED
Grade 3 - Acacia Grade 3 0 IN 1 OUT 1 ENROLLED	Unassigned 0 IN 4 OUT 4 ENROLLED	

[Manage classes](#)

Live

Current learner status

- Aluwani Khumalo** NO TAP YET
Last check-in at 26 Jun 2026, 09:52
- Bongani Smit** NO TAP YET
No check-in or pick-up recorded yet
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Patterns to watch

<p>Frequent late arrivals</p> <p>0</p> <p>learners late 3 or more times in the last 7 days</p>	<p>Absence risk</p> <p>10 CHRONIC 10</p> <p>of school days missed this year</p>	<p>Badge fleet health</p> <p>10 Active badges</p> <p>learners awaiting a replacement badge</p>
<p>Guardian contacts failing</p> <p>0</p> <p>guardians with 3 or more failed</p>		

deliveries in the last / days

A campus admin lands on **"Today's school status"** with the answer up top — **"Nothing needs your attention right now"** — counts of on-site / checked-in / checked-out, a learner search ("is who in or out right now?"), a **Go-live checklist** (roster imported, learners checked in, staff active, WhatsApp connection state, badges issued, photo-encryption key ready), today's exceptions, a class roll-up, the live learner list, and **Patterns to watch** (frequent late arrivals, absence risk, badge fleet health, guardian contacts failing).

Emergency broadcast and a stateful **Safety mode** (drill / lockdown) are one tap away with two-step confirmation; the class teacher gets a class-scoped roster, daily roll and live pickup approvals.

The screenshot shows a web interface for a school administrator. At the top right, the user is identified as 'SCHOOL ADMINISTRATOR'. A navigation menu icon is on the top left. Below the header, there is a link to 'Back to dashboard'. The main content area is titled 'Admin emergency workflow' and 'Emergency broadcast'. A description states: 'Sends to every available channel for all active guardians at this school, after a second typed confirmation.' There are two radio buttons for 'PUSH NOTIFICATIONS' (selected) and 'EMAIL'. Below this is a 'Message' section with a text input field containing 'Emergency: please collect learners from the main gate.' At the bottom, there is a 'Recipient scope' field with the text 'all active guardians at this school.' and a character count '0/500 characters'. Two buttons are present: 'Create confirmation step' and 'Reset'. A 'LOCAL' label is visible in the bottom right corner of the interface.

The operator story — stand up a campus in minutes

This is the part most platforms can't show. Onboarding a new campus is a real durable Cloudflare Workflow, behind a calm async UI.

PLATFORM OPERATIONS

● Live · updated 08:49:53

Operator Console

Refresh

Onboard school

Health console

Platform access

Active

Schools in platform

1

Messaging setup

Ready

App notifications and email are the live channels. WhatsApp and SMS are in preview and switch on per school once a provider is connected.

Needs you now

ALL CLEAR

LOCAL

Nothing needs you right now

No failed deliveries, stalled imports, or channel issues across the platform.

Platform health

OK

Current snapshot

Last 1 hour delivery success

100%

Failed deliveries needing review

0

Failed logins in last 1 hour

0

Open health console

Generated 2026/06/27, 08:49:53

School onboarding

Manage schools

Schools

Demo Primary School

Africa/Johannesburg - Created 2026/05/01, 02:00:00

Settings

ACTIVE

Showing the most recent schools. Use "Manage schools" to search and page through all 1.

Provider readiness

Ready

Notification channels

WhatsApp

Messages can be sent through this channel.

Last checked 2026/06/27, 08:49:53

READY

Email

Messages can be sent through this channel.

Last checked 2026/06/27, 08:49:53

READY

The operator console is a wall-board: platform access, schools in platform, messaging setup, a **"Needs you now"** queue, platform health (last-hour delivery success, failed deliveries to review, failed logins) and provider readiness.

Console > Onboard school

School onboarding [← Back to console](#)

Onboard a School

School name

Timezone Johannesburg / Pretoria / Cape Town (SAST, UTC+2) ▾

Campus close time 17:00 🕒

When any learner still on-site is presumed to have left for the day, so the gate doesn't flag them as a late pickup.

First admin name

First admin email

First admin temporary password Leave blank to generate

First officer name Optional

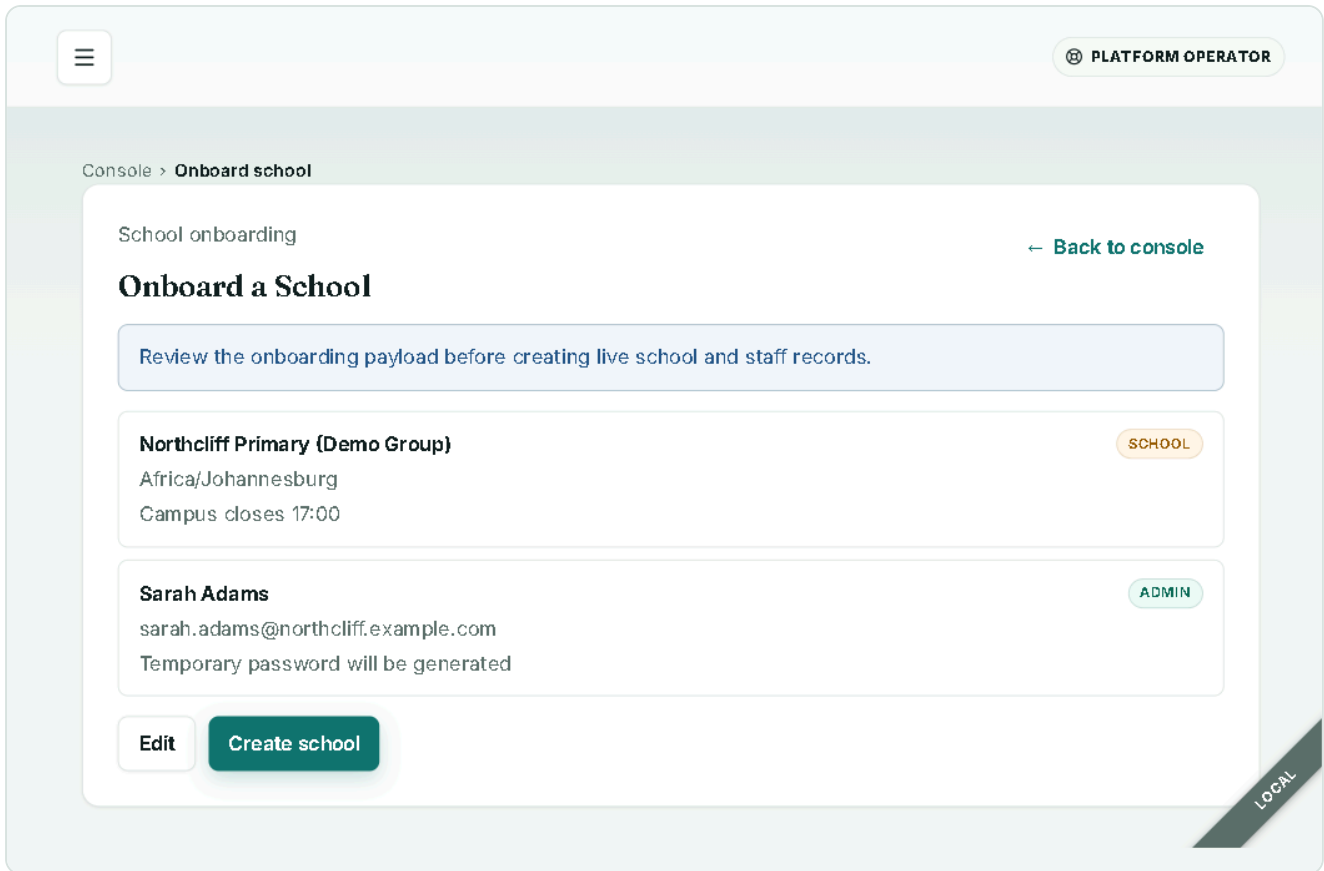
First officer email Optional

First officer temporary password Leave blank to generate

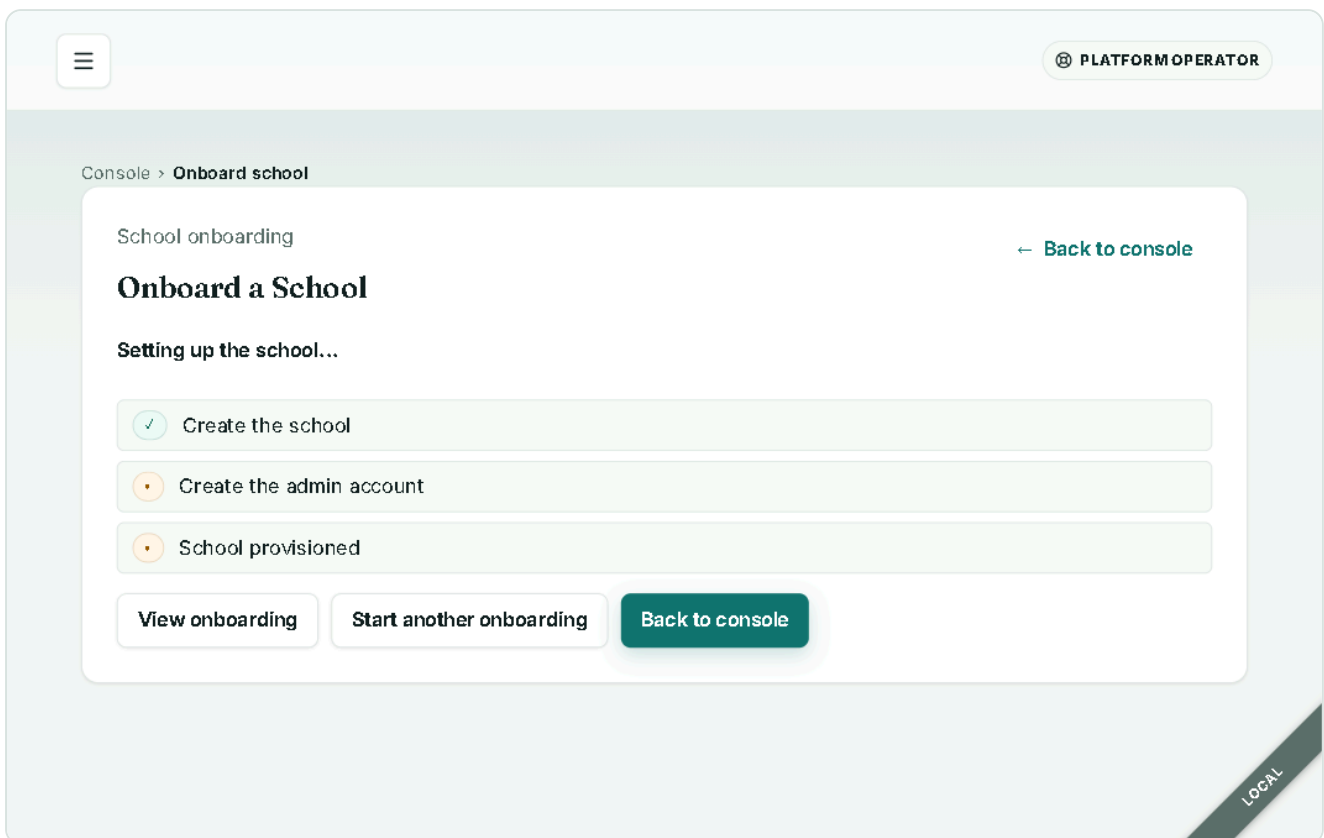
[Review onboarding](#)

LOCAL

Onboarding is a short form — school name, timezone (Johannesburg by default, pan-African and global options), campus close time, first admin and optional first officer.



A review-before-commit panel, then **Create school**, then the Workflow steps tick green in real time:



"Create the school" ✓ → **"Create the admin account"** → **"School provisioned."** No SQL, idempotent, with per-step retry. I onboarded a second campus live and it worked.

PLATFORM OPERATIONS

Schools

[← Back to console](#)
[Onboard school](#)
[Move runs to the durable engine](#)

Choose a school

[All](#)
[Active](#)
[Pending](#)
[Disabled](#)

Search schools

Northcliff Primary (Demo Group)

 Africa/Johannesburg -
Created 27/06/2026

ONBOARDING IN PROGRESS

[Overview](#)
[View onboarding](#)
[View progress](#)
[Support](#)
[Settings](#)
[Imports](#)
[Suspend](#)
[ACTIVE](#)
Demo Primary School

 Africa/Johannesburg -
Created 01/05/2026

NO ONBOARDING RUN

[Overview](#)
[View progress](#)
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LOCAL

The economics

Item	Detail
Price	~R10 per learner per month (negotiable)
Billing	Manual and out-of-app — no in-app payments, no invoices in the product
Operator input	An operator-only billable-learner report (max daily active learners per campus, per month) is the exact figure hand-keyed into your invoice
Channel costs	Bring-your-own provider, or marked-up pass-through — you are never surprised by a delivery bill

The model scales linearly and transparently with the only thing that matters: how many learners you actually protect. No per-school tiers, no seat games.

Live today vs roadmap — the honest slide

We would rather you hear this from us than from your technical advisor.

Shipped and verified live (local stack):

- Officer gate scan → resolve → confirmed, immutable record
- Guardian-optional release ("arrived on their own" vs "dropped off by a guardian")
- Answer-first admin dashboard, go-live checklist, deep per-school settings
- Operator console + onboarding a new campus via a durable Workflow
- Class-teacher scoped workspace with live pickup approvals
- Tokenised parent portal with real-time learner status
- RBAC tenant isolation, real passkey step-up, channel honesty (Preview vs Live)
- Trilingual en / af / zu; web push is real and RFC-8291-proven in code

Roadmap / needs provisioning (stated plainly):

- **No group-scoped owner tenant yet.** Today the only logins are *full platform operator* (sees every school on the platform) or *single-school admin*. An owner scoped to just their campuses is **Roadmap**. For a pilot we run a platform that contains only your schools.
- **Shard-ready, single-shard today.** Horizontal sharding is real code, but only `shard_0` is live — campuses are isolated *logically* by `school_id`, not yet on physically separate databases. Physical per-campus sharding is **Roadmap**.
- **WhatsApp and SMS are Preview**, per-school provider-gated; they demote to email until connected (WhatsApp also needs Meta template approval).
- **Web push** needs VAPID secrets + real-device proof per environment; **branded PDF / SAR rendering** needs the Cloudflare Browser Rendering binding.
- **Production is currently a hollow shell** (no secrets) — demos run on **UAT only**.
- **No consolidated cross-campus academic report yet** — channel-usage and billing aggregates only. A group-wide report is **Roadmap**.
- Known polish cracks we're not hiding: the report builder's "Class ID" free-text box and a hardcoded-English admin attendance page.

Independently graded: **B+ / A- as a per-campus product** (real code, verified live end-to-end), **B- as the chain-owner-at-scale pitch as worded** — because the group-owner persona and multi-shard scale are built-but-not-yet-modelled, not because the core is missing.

The ask

Pilot 2–3 schools from your group on UAT.

- We onboard your chosen campuses **through the app** (never SQL-seeded), exactly as a real rollout would.
- You walk the gate flow on a real Android phone, see the dashboards update live, and open the parent portal as a guardian would.
- We connect the channels you want proven (web push, and email today; WhatsApp once your provider is approved).
- At the end you have a real billable-learner report tied to ~R10/learner — the number that lets you decide on the whole group.

From a proven multi-school footprint, we then build the group-scoped owner tenant for your next, larger rollout.

Honesty is the product

A safety platform that over-promises is worse than no platform — because a guardian who was told "you'll always know" and then heard nothing trusts you less than before. MySentinel is built so that every "sent" is true, every campus is sealed off from every other, and every gap is named out loud before you find it.

Buy the gate done right, everywhere, the same way — and a vendor who tells you the truth about what is live. The roadmap is honest, the core is real, and the credibility is the deal.

Pricing & commercials

MySentinel is priced **per active learner, per month** — a guide price of **~R10 per learner / month, negotiable** at group volume. You pay for learners who actually use the system, not for software seats, not per campus, and not per scan. There are no setup tiers and no per-feature upsells: every school on the platform gets the same full product.

This page explains exactly how that number is reached, what it includes, where messaging costs sit, and how billing works today (manually, out of the app) versus what is on the roadmap.

What you pay for: billable learners

A **billable learner** is a learner who is genuinely active at one of your campuses in the billing month. We count on a **gaming-resistant, max-daily-active basis**, which means:

- We take the number of **distinct learners who checked in or out on each school day** in the month.
- Your billable count for a campus is the **single busiest day** in that month (the peak of daily-active learners), not the enrolment roster and not the sum of every learner who ever existed.

Why this basis, and why it is fair in both directions:

Concern	How max-daily-active handles it
"We're being charged for learners who left months ago."	You are not — a stale roster entry that never taps a badge is never billable. Only learners who actually check in/out count.
"A school could under-report by trimming the roster."	It cannot — a learner is counted the moment they tap at the gate, regardless of roster hygiene. Active means active.
"Averaging could be gamed by spreading attendance across days."	We use the peak single day, not an average, so quiet days never deflate the count and there is nothing to spread.
"What about a one-off event day?"	The peak is a real school day of your normal operation; we discuss any genuine anomaly with you rather than letting a single outlier set the price.

The data behind this is already metered in-product. Every campus dashboard carries a **go-live checklist** that tracks the roster and "X of Y learners checked in", and **channel usage metering** is exposed in school settings — so the billable figure is auditable from the same numbers you see in the app.

ADMIN DASHBOARD

Live

Today's school status

**Nothing needs your attention right now**

0 on-site · 0 left for the day · 10 no tap yet

Find a learner — is who in or out right now?

10 learners not on site

On-site

0

Checked in today

0

Checked out today

0

Total active learners

10

Daily actions

Use these for the school-day tasks that usually need attention first.

Open attendance

Emergency message

Safety mode

Late pickups

Guardian approvals

Learners

Last updated 08:47:04

LOCAL

Go-live checklist

Refresh checklist

What still needs to happen before this school is fully live.

- Learner roster imported
- 4 of 10 learners checked in at least once (40% — 80% needed)
- 3 active staff members (3 needed)
- WhatsApp not connected yet [PREVIEW](#)
- 10 of 10 badges issued (100% — 80% needed)
- Photo encryption key ready — Legacy key

Needs attention

ALL CLEAR

Today's exceptions

No stragglers and no guardian contact issues right now.

By class

Class roll-up

Who is in by class, so you can see at a glance which registers are complete.

Grade R - Sunbird

Grade 1 - Marigold

Grade 2 - Phoenix

Grade 0

0

IN

2

OUT

2

ENROLLED

Grade 1

0

IN

2

OUT

2

ENROLLED

Grade 2

0

IN

1

OUT

1

ENROLLED

Grade 3 - Acacia

Grade 3

0

IN

1

OUT

1

ENROLLED

Unassigned

0

IN

4

OUT

4

ENROLLED

Manage classes

Live

Current learner status

Aluwani Khumalo

Last check-in at 26 Jun 2026, 09:52

NO TAP YET

Bongani Smit

No check-in or pick-up recorded yet

NO TAP YET

Kgomotso Pillay

No check-in or pick-up recorded yet

NO TAP YET

Lerato Nkosi

Last check-in at 26 Jun 2026, 09:39

NO TAP YET

Mpho Sithole

No check-in or pick-up recorded yet

NO TAP YET

Nomvula Botha

No check-in or pick-up recorded yet

NO TAP YET

Refilwe van Wyk

No check-in or pick-up recorded yet

NO TAP YET

Sipho Mokoena

Last check-in at 26 Jun 2026, 09:45

NO TAP YET

Tendai Naidoo

No check-in or pick-up recorded yet

NO TAP YET

Thandi Dlamini

Last check-in at 25 Jun 2026, 09:51

NO TAP YET

Patterns to watch

Frequent late arrivals

0

learners late 3 or more times in the last 7 days

Absence risk

10

CHRONIC 10

of school days missed this year

Badge fleet health

10 Active badges

learners awaiting a replacement badge

Guardian contacts failing

0

guardians with 3 or more failed

What's included in the per-learner price

Everything that makes MySentinel a safety system is in the base price — there is no "premium tier":

- **The full officer gate flow** — NFC badge scan, check in / check out, guardian-optional release, immutable confirmed records.
- **The full admin workspace** — answer-first dashboard, learners, classes, attendance, absences, emergency, safety mode, day-close, settings, staff, reports.
- **Class-teacher workspaces** — class roster, daily roll, report digest, live pickup approvals (scoped to assigned classes).
- **The tokenised parent portal** — real-time learner status for guardians, no login required.
- **Real-time everywhere** — the live dashboard and parent portal update over the platform's streaming layer.
- **Trilingual UI** — English, Afrikaans and isiZulu, idiomatic across the product.
- **Per-school branding** — your display name, logo, primary colour (#1f6650 by default) and accent (#c8923a), set in Settings.
- **Security and compliance** — JWT-scoped tenant isolation, passkey step-up on sensitive actions, encryption at rest for photos and guardian/visitor contacts, POPIA subject-access and erasure workflows, and an append-only audit trail.
- **App push and email notifications** to guardians — included channels (see below).
- **Onboarding a new campus** through the operator console's durable provisioning workflow — no professional-services fee to add a school.

Channel economics (messaging)

Notifications go to guardians **push-first**, falling back down a chain: **web push** → **email** → **WhatsApp** → **SMS**. The economics differ by channel:

Channel	Status	Who pays the channel cost
App / web push	Included	No per-message cost. Needs VAPID secrets provisioned per environment (Roadmap to provision on UAT/prod + real-device proof).
Email	Included	No per-message cost to you for the platform's branded email.
WhatsApp	Preview until connected	Bring-your-own provider (you connect your own Meta/WhatsApp Business provider and pay them directly) or marked-up pass-through (we bill the provider cost plus a small handling margin).
SMS	Preview — operator-provisioned	Same as WhatsApp: BYO provider or marked-up pass-through.

Channel honesty is built in. Until WhatsApp or SMS is actually connected for a school, the product shows a **Preview** badge and silently demotes to email rather than pretending a message was sent. You see this on the admin go-live checklist ("WhatsApp not connected yet [Preview]") and on the operator console's messaging-setup card, which states plainly that app notifications and email are the live channels while WhatsApp and SMS are in preview.

PLATFORM OPERATIONS

● Live · updated 08:49:53

Operator Console

Refresh

Onboard school

Health console

Platform access

Active

Schools in platform

1

Messaging setup

Ready

App notifications and email are the live channels. WhatsApp and SMS are in preview and switch on per school once a provider is connected.

Needs you now

ALL CLEAR

LOCAL

Nothing needs you right now

No failed deliveries, stalled imports, or channel issues across the platform.

Platform health

OK

Current snapshot

Last 1 hour delivery success

100%

Failed deliveries needing review

0

Failed logins in last 1 hour

0

Open health console

Generated 2026/06/27, 08:49:53

School onboarding

Manage schools

Schools

Demo Primary School

Africa/Johannesburg - Created 2026/05/01, 02:00:00

Settings

ACTIVE

Showing the most recent schools. Use "Manage schools" to search and page through all 1.

Provider readiness

Ready

Notification channels

WhatsApp

Messages can be sent through this channel.

Last checked 2026/06/27, 08:49:53

READY

Email

Messages can be sent through this channel.

Last checked 2026/06/27, 08:49:53

READY

So the honest cold-start position is: **app push and email are the live, included channels**; WhatsApp and SMS are real capabilities that require per-school provider activation before they deliver, and their per-message costs are yours (BYO) or passed through with a margin.

How billing works today

Billing is currently manual and out-of-app. MySentinel meters the numbers you are billed on — peak daily-active learners per campus and channel usage — and surfaces them in the product, but the **invoice itself is produced and reconciled outside the application** by the MySentinel team against those figures. There is no card-on-file, no in-app subscription management, and no automated dunning.

- **In-app billing / self-serve subscriptions: Roadmap.** Not built. Do not assume a billing portal exists.
- **Consolidated cross-campus billing report:** today the platform aggregates **channel-usage and billing figures** across campuses; a fuller consolidated cross-campus academic report is **Roadmap.**

This is a deliberate, transparent arrangement for the current pilot stage: you get a clear monthly statement tied to auditable in-product numbers, and pricing stays negotiable per group rather than locked to a rigid self-serve tier.

Worked example — a 3-campus group

Take a group running three primary schools. Enrolment is the roster size; the **billable** figure is each campus's busiest single day of actual check-ins in the month:

Campus	Enrolled (roster)	Peak daily-active (billable)
Campus A	640	612
Campus B	500	470
Campus C	360	338
Group total	1,500	1,420

Platform fee at the ~R10/learner/month guide price:

- 1,420 billable learners × R10 = **R14,200 / month** (~R170,400 / year), **before** any negotiated group discount — and at 1,400+ learners there is real room to negotiate the per-learner rate down.
- Note the group pays on **1,420**, not the 1,500-strong roster: 80 enrolled-but-inactive learners (left, long-term absent, duplicate entries) are not billed.

Channels on top, illustratively:

- App push + email for all guardian notifications: **included** (R0 per message).
- If the group connects WhatsApp for, say, emergency and pickup alerts, those messages are billed **at the group's own provider rate** (BYO) or **provider cost + margin** (pass-through). These

are usage-driven and depend entirely on the provider you choose and volumes you send — they are **not** part of the per-learner fee, and nothing is charged for a channel that is still in Preview.

So this group's predictable, committed cost is the **~R14,200/month platform fee** (negotiable), with messaging beyond push/email as a separate, transparent, usage-based line.

Group-scoping note: today a chain owner does not log in to a single owner view scoped to just their campuses — cross-campus operations run through the **platform operator** role, and group-scoped owner tenancy is **Roadmap**. It does not change the pricing basis (still per active learner across your campuses), only the console you would use to see the group rolled up.

Summary

- **Price:** **~R10 per active learner / month**, negotiable at group volume. No per-campus or per-feature fees.
- **Counted on:** **peak daily-active learners** per campus per month — fair and gaming-resistant in both directions, and auditable from in-product metering.
- **Included:** the entire product, plus **app push and email** notifications.
- **Extra, usage-based:** **WhatsApp / SMS** — BYO provider or marked-up pass-through, Preview until connected.
- **Billing today:** **manual, out-of-app**, against in-product numbers. In-app billing is **Roadmap**.

Proven vs roadmap (honesty sheet)

MySentinel is a strong, real product — a buyer's technical advisor will check our claims, and the honesty itself becomes part of the sell. This page is the single reference so nobody on the sales side accidentally promises a capability that is on the roadmap or that needs provisioning before it works.

Use it like this: **demo what's in the left column, name what's in the right column out loud.**

Everything in the left column was verified live in a local walkthrough on 2026-06-27 across all five personas, and the previously provisioning-gated capabilities — **a real NFC badge tap on an Android phone, web push arriving on a real device, the offline "Queued → Sent" outbox, branded PDF / SAR rendering, and live WhatsApp + SMS delivery, plus multi-school health populating across schools** — were **confirmed working end-to-end on UAT by the owner on 2026-06-27.**

Everything in the right column is real engineering that is either not yet built, not yet provisioned for an environment, or positioned differently than the chain-owner pitch implies.

One framing rule: if it's not proven today, say "roadmap" or "needs provisioning" plainly. Never imply a hollow or unproven capability is live.

The sheet

#	Proven today (verified live)	Roadmap / needs provisioning
1	<p>Per-campus gate, dashboard and portal. Officer taps a real NFC badge on an Android phone → resolve → unmistakable green "Checked in / Checked out" confirm, recorded immediately, guardians notified on verified contacts. The offline officer outbox (amber "Queued" → green "Sent") is proven on UAT. Admin answer-first dashboard, go-live checklist, deep per-school settings. Tokenised parent portal with real-time learner status. Class-teacher scoped workspace + live pickup approvals.</p>	<p>Group-scoped owner tenant. There is no login scoped to "just my campuses." A chain owner's only options today are <i>full platform operator</i> (sees every school on the platform, including other customers) or <i>single-school admin</i>. A group-scoped owner role is roadmap.</p>
2	<p>Single-shard logical isolation + cross-school health. All schools co-reside in one D1 per service, isolated by <code>school_id</code> (JWT-derived, never a browser header). Tenant isolation is enforced everywhere and holds — officer→/admin and admin→/operator are bounced, and a CI gate fails the build on any ungated sensitive route. The operator multi-school health console populates across every onboarded campus (confirmed on UAT).</p>	<p>Multi-shard physical isolation. The code is shard-ready, but only <code>shard_0</code> is live. Isolation today is logical/code-enforced, not a physical per-campus database. Cross-school operator and audit reads are hard-bound to <code>shard_0</code>; a second shard needs work before it lands. Say "shard-ready, single-shard today."</p>
3	<p>App push, email, WhatsApp and SMS all deliver. Web push is real (not stubbed, proven against the RFC 8291 vector in code) and was confirmed arriving on a real device on UAT (2026-06-27); live WhatsApp and SMS delivery were tested on UAT and deliver for real. One branded per-school email layout. Channel honesty everywhere: Preview vs Live badges, hashed email recipient in logs, never a fake "sent."</p>	<p>Per-school provider connection activates the paid channels. WhatsApp + SMS are proven to deliver, but each school must still connect its own provider (WhatsApp is Meta-approval-gated; SMS is operator-provisioned) before they switch on for that school — until then they cleanly demote to email. A <i>new</i> environment also re-provisions VAPID + a device re-check before you promise push there.</p>
4	<p>UAT is functional. Full stack, real auth, all five personas, live campus onboarding via a durable Cloudflare Workflow. This is where every demo happens.</p>	<p>Production is a hollow shell. No secrets (no <code>JWT_SECRET</code> etc.), usage-blocked — production is not functionally equivalent to UAT today. A buyer asking to "see prod" must be told it is not live yet. Demo on UAT only.</p>
5	<p>Per-school config is live and deep. Display name + logo, primary/accent theming through one token system, default language, late-arrival threshold, pickup curfew, quiet hours, going-home policy, visitor sign-in fields, gate zones, school calendar, offline pack. Trilingual en/af/zu (idiomatic). Per-school channel-usage + billing aggregates.</p>	<p>Consolidated cross-campus academic report. Cross-campus reporting today is channel-usage + billing aggregates only. A consolidated cross-campus academic report does not exist yet — it is roadmap alongside bulk onboarding.</p>
6	<p>Append-only audit (DB trigger) + branded documents. The audit trail is append-only, enforced by a database trigger. POPIA SAR + erasure flows run over it, and branded PDF / SAR</p>	<p>Hash-chain / WORM audit. The trigger prevents in-place edits, but it is not a cryptographic hash-chain or true write-once-read-many store. Tamper-evident</p>

#	Proven today (verified live)	Roadmap / needs provisioning
	rendering (Cloudflare Browser Rendering) is confirmed on UAT.	chaining / WORM is roadmap — don't describe the current trail as "immutable WORM."

PLATFORM OPERATIONS

● Live · updated 08:49:53

Operator Console

Refresh

Onboard school

Health console

Platform access

Active

Schools in platform

1

Messaging setup

Ready

App notifications and email are the live channels. WhatsApp and SMS are in preview and switch on per school once a provider is connected.

Needs you now

ALL CLEAR

LOCAL

Nothing needs you right now

No failed deliveries, stalled imports, or channel issues across the platform.

Platform health

OK

Current snapshot

Last 1 hour delivery success

100%

Failed deliveries needing review

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Failed logins in last 1 hour

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Open health console

Generated 2026/06/27, 08:49:53

School onboarding

Manage schools

Schools

Demo Primary School

Africa/Johannesburg - Created 2026/05/01, 02:00:00

Settings

ACTIVE

Showing the most recent schools. Use "Manage schools" to search and page through all 1.

Provider readiness

Ready

Notification channels

WhatsApp

Messages can be sent through this channel.

Last checked 2026/06/27, 08:49:53

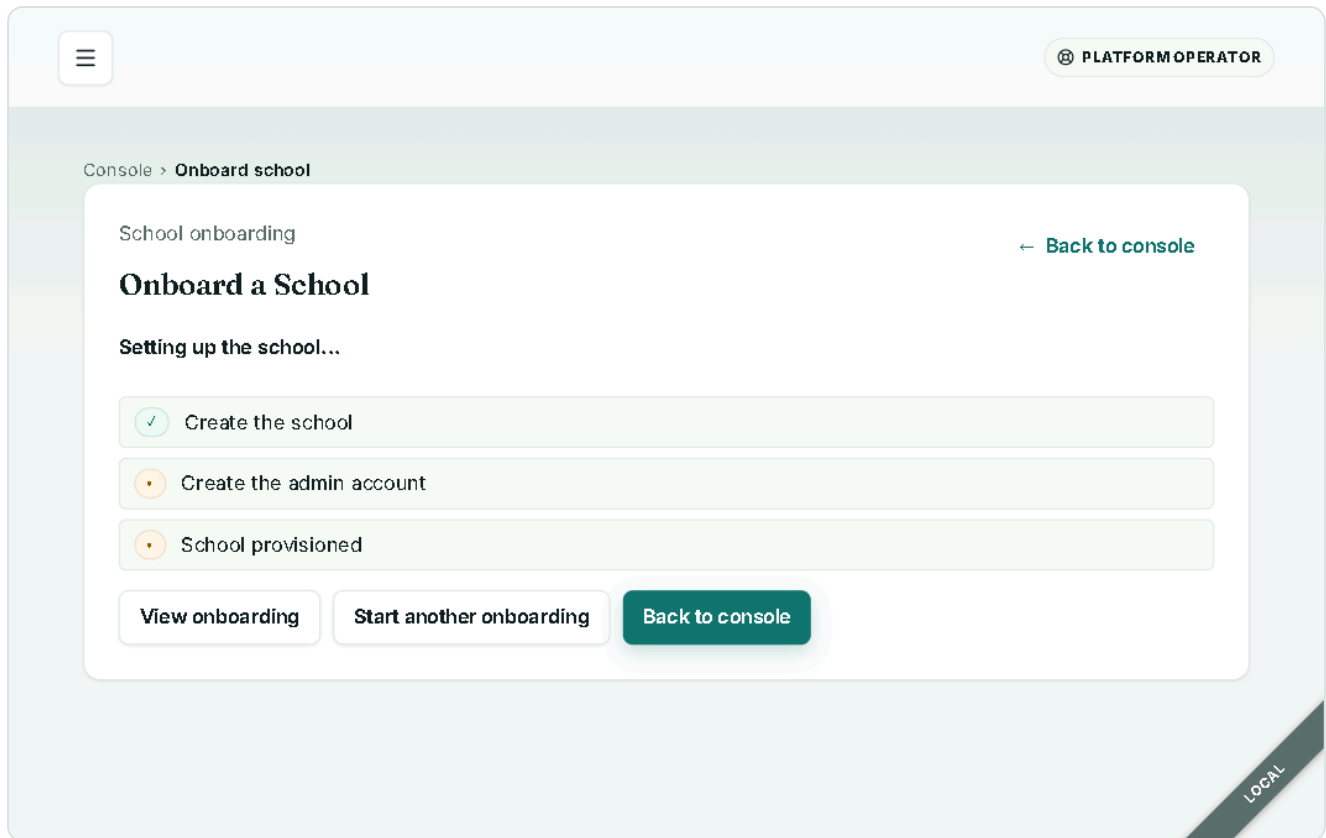
READY

Email

Messages can be sent through this channel.

Last checked 2026/06/27, 08:49:53

READY



How we talk about this (script you can lift)

Keep these four lines ready; they pre-empt the exact questions an advisor would otherwise use to expose an overclaim:

- **On scale:** "Shard-ready, single-shard today. Every campus is isolated by tenant in code, and the architecture is built to split onto dedicated shards as the fleet grows — we light up `shard_0` now and add shards as we onboard."
- **On the operator console:** "This is platform operations today — it's how Cybertron staff onboard and watch every school's health. A group-scoped owner role, where you log in seeing only your own campuses, is on the near roadmap. For your pilot we'll run a platform that contains only your schools."
- **On channels:** "App push (confirmed on a real device), branded email, WhatsApp and SMS all deliver — proven on UAT. Each school still connects its own WhatsApp/SMS provider to switch those paid channels on; until a school connects one, they cleanly fall back to email, never a silent failure."
- **On environments:** "What you're seeing is UAT, fully functional. Production is a deliberate clean shell until launch — we provision its secrets and a real-device push proof as part of go-live."

Provisioning checklist before a "live everything" demo

On UAT these are already provisioned and **confirmed by the owner (2026-06-27)** — re-verify the morning of. For any *other* environment, these are the steps that move an item from the right column to the left:

1. **VAPID push** on the target env (notification-service + matching gateway key) + a real-device delivery proof — push is the headline parent channel and fails silently without it.

2. **WhatsApp / SMS provider** connected per school if you intend to show those channels; otherwise demo email and say WhatsApp is Preview.
3. **Browser Rendering binding** if you want branded PDF / SAR output — without it, documents render title-only.
4. **2–3 real campuses onboarded through the app** (never SQL-seed UAT) so the chain story has real data to show.
5. A physical **Android phone with NFC over HTTPS** + registered tags — Web NFC is Chrome-on-Android only; on a laptop the badge tap silently becomes typed entry.

Two known polish cracks (fix or avoid on screen)

- The report builder still has a "**Class ID**" **free-text box** — a wrong ID yields an empty or erroring report. Steer the demo around it or use a known-good ID.
- The admin **attendance** page is **hardcoded English** — it breaks the trilingual story on that one screen. Show trilingual elsewhere (login language menu, settings, parent portal).

Bottom line for sales

As a **per-campus school-safety product, MySentinel is sellable now** — the gate flow, tenant isolation, guardian channel honesty, per-school identity, and live campus onboarding are all proven. The gap to the full *chain-owner* pitch is **positioning honesty plus a short provisioning checklist**, not missing core capability. Sell it as a multi-school pilot in one group on UAT, name the group-scoping + multi-shard roadmap plainly, and the credibility carries the deal.