



AS1111 · AS1122

Alert SCADA

When something goes wrong in your plant,
know before anyone else notices. Act early and
cut the damage dramatically.

Industrial fault notification and alarm management system

COLD STORE 1 · COMPRESSOR 2

1 · **WARNING** · 01:52

Motor overtemperature

Notified → shift technician

🕒 **Acknowledged** · 01:55 (3 min)
Shift technician

2 · **CRITICAL ALARM** · 02:14

Thermal overload tripped

Notified → shift technician, shift
supervisor, maintenance engineer

🕒 **Acknowledged** · 02:17 (3 min)
Maintenance engineer

Every step logged to the second.

THE PROBLEM • ONE NIGHT, ONE FACTORY

The fault started at 02:14. Nobody noticed until 07:30.

Time unnoticed: 5 hours 16 minutes

02:14

The refrigeration compressor's thermal overload tripped. A small lamp lit up on the panel. Nobody saw it.

03:00

The cold store temperature began to rise.

05:30

The products passed their critical temperature.

07:30

The morning shift opened the door.



Result: The entire batch destroyed, a customer delivery delayed, insurance and quality procedures opened.

THE PROBLEM • THE REAL ENEMY

Losses come from delay, not from the fault

Total loss = Time to detect the fault + Response time + Recovery time

TODAY



WITH ALERT SCADA – DETECTION DROPS TO SECONDS



You cannot always prevent a fault. **You can always shorten the time it takes to notice it.**

Nights, weekends, holidays, shift changes, unmanned stations — this is when signals get lost most.

A lamp on the panel means nothing if nobody is on site.

THE PROBLEM • HIDDEN COST ITEMS

Downtime is not the only item on the bill



Lost production hours



Scrap, waste, destroyed batches



Equipment damage
(pumps running dry,
overheating motors)



Wasted energy (systems
left running on a stopped
line)



Overtime and emergency
call-outs



Late deliveries, contract
penalties



Lost customer trust and
repeat orders



Quality, audit, insurance
and legal workload (food,
pharma, cold chain)

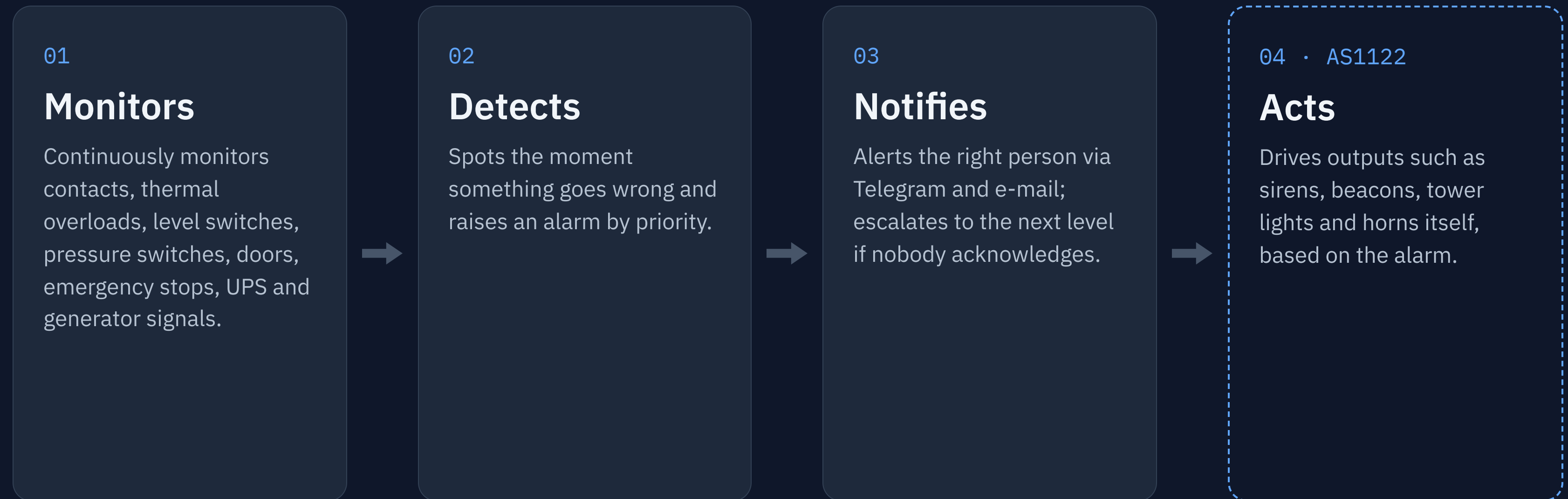
THE PROBLEM • WHY EXISTING SOLUTIONS FALL SHORT

The options on site today

	Conventional SCADA	PLC + GSM alarm dialer	Cloud-based IIoT	Alert SCADA
Commissioning	Weeks to months, engineering	Days, programming	Days + cloud setup	Wizard, no programming
Cost structure	High + licences	Medium + SMS / line fees	Device + annual subscription	One-off, no subscription
Number of inputs	Project-dependent	Typically 2–8	Typically 2–12	32 (AS1111) · 16 (AS1122)
Who acknowledged / escalation	Yes (costly)	No	Partly	Yes, as standard
Where the data lives	On site	—	On the provider's servers	On site, inside the device
When the internet drops	Keeps working	Depends on GSM	Monitoring stops	Monitoring and logging continue
Ease of use	Needs a specialist	One-way SMS	App	Browser + Telegram, no training needed

What is Alert SCADA?

A panel-mounted alarm management device that monitors your panel signals 24/7, reaches the right person within seconds when a fault occurs, and records who responded and when.





THE SOLUTION · THE DEVICE

Panel-mounted, stand-alone device

- Screw-mounted on a flat surface**, signals wired to screw terminals.
- Status LEDs and buttons:** anyone looking at the panel can see the device status; restart without a computer.
- 24 V DC supply (15–30 V)**, opto-isolated inputs.
- Two separate processors** and 2.4 GHz WiFi; settings and logs stay inside the device.

Two models, working together in one plant

AS1111

32 inputs

For plants that need to monitor many signals

AS1122

16 in · 16 out

For plants that also want an automatic response on site

	AS1111	AS1122
Signal inputs	32	16
Outputs (sirens, beacons, etc.)	—	16
Alarms, notifications, acknowledgement, escalation	Yes	Yes
Web panel, user and role management	Yes	Yes
Event and outage log	Yes	Yes
No-code output rules, remote control	—	Yes
Devices communicate, all on one screen	Yes	Yes

4 × AS1111 + 1 × AS1122

Four devices monitor **128 signals**; a single AS1122 controls **all of the plant's sirens and lights**. The devices communicate over the plant network; you use rules to choose which alarm drives which output.

PROBLEM SOLVED · A PANEL LAMP TELLS NO ONE

Instant notification

- ✓ Via **Telegram and e-mail** — to several people at once.
- ✓ Every notification says it all: **severity, device and location, which input, what happened, when.**
- ✓ Simultaneous alarms are **grouped into one message** — no flood of notifications on the phone.
- ✓ Failed notifications are **retried automatically**; every send is logged.
- ✓ The notification account **comes ready with the device**; no setup or subscription fee.
- ✓ Events can also be pushed automatically to **your ERP or maintenance software** (AS1111 / AS1122).

Alert SCADA · Telegram

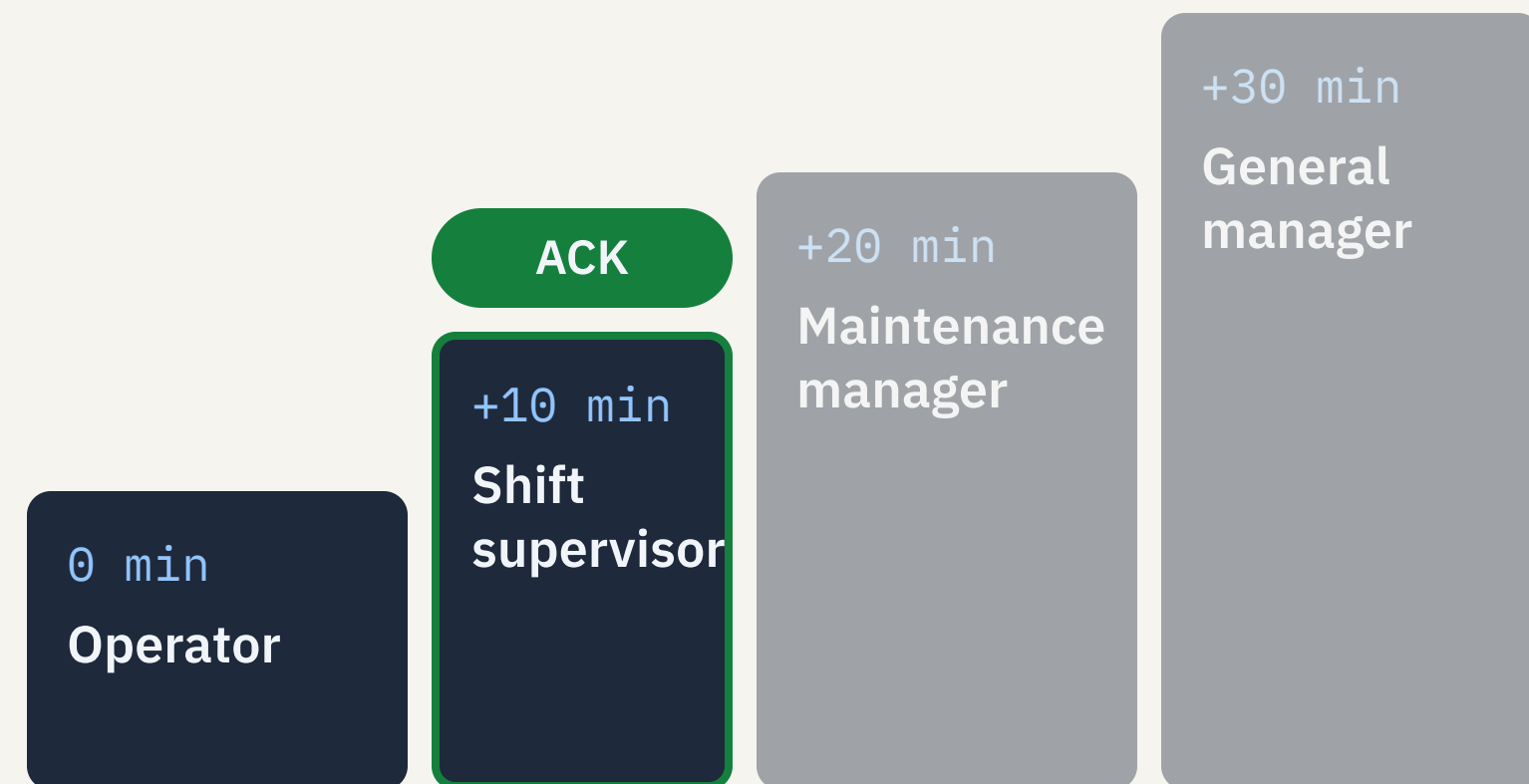
[CRITICAL] Press Line 2 - Welding Shop
Input: Pump Fault
Status: Pump stopped
Time: 04.10.2026 14:32:07

☑ Acknowledged — By: Shift supervisor (2 min 14 s)

PROBLEM SOLVED · "I DIDN'T SEE IT, I THOUGHT SOMEONE ELSE WOULD"

Nobody can say “I didn’t see it”

An unacknowledged alarm escalates to the next level automatically.



The chain stops the moment someone acknowledges; higher levels are not called. Delays are set in minutes.

Who acknowledged the alarm, and how fast — everyone sees it, and it is logged.

Once acknowledged, the other recipients get an **“acknowledged — by: ...”** notice; nobody calls twice.

You set up the chain and delays **to match your own organization**.

Even if the signal clears, an unacknowledged alarm is not forgotten; it keeps escalating.

Acknowledging role per input: e.g. only the maintenance team can acknowledge the boiler alarm.

When the alarm ends: **“back to normal — lasted X min”** notice.

PROBLEM SOLVED · TOO MANY ALARMS AND PEOPLE STOP LOOKING

Not noise — only what really matters

4 severity levels

Info

Warning

Alarm

Critical

No needless night calls

Out of hours, only important alarms go out; minor events wait for the morning.

Everyone gets their own job

Maintenance gets faults, the manager only critical ones; each person picks their channel.

Filters false alarms

Per-input filtering: a chattering or momentary contact does not raise a false alarm.

Critical alarms are not forgotten

Alarms such as emergency stop or thermal overload stay active until an authorized person acknowledges, even if the signal clears.

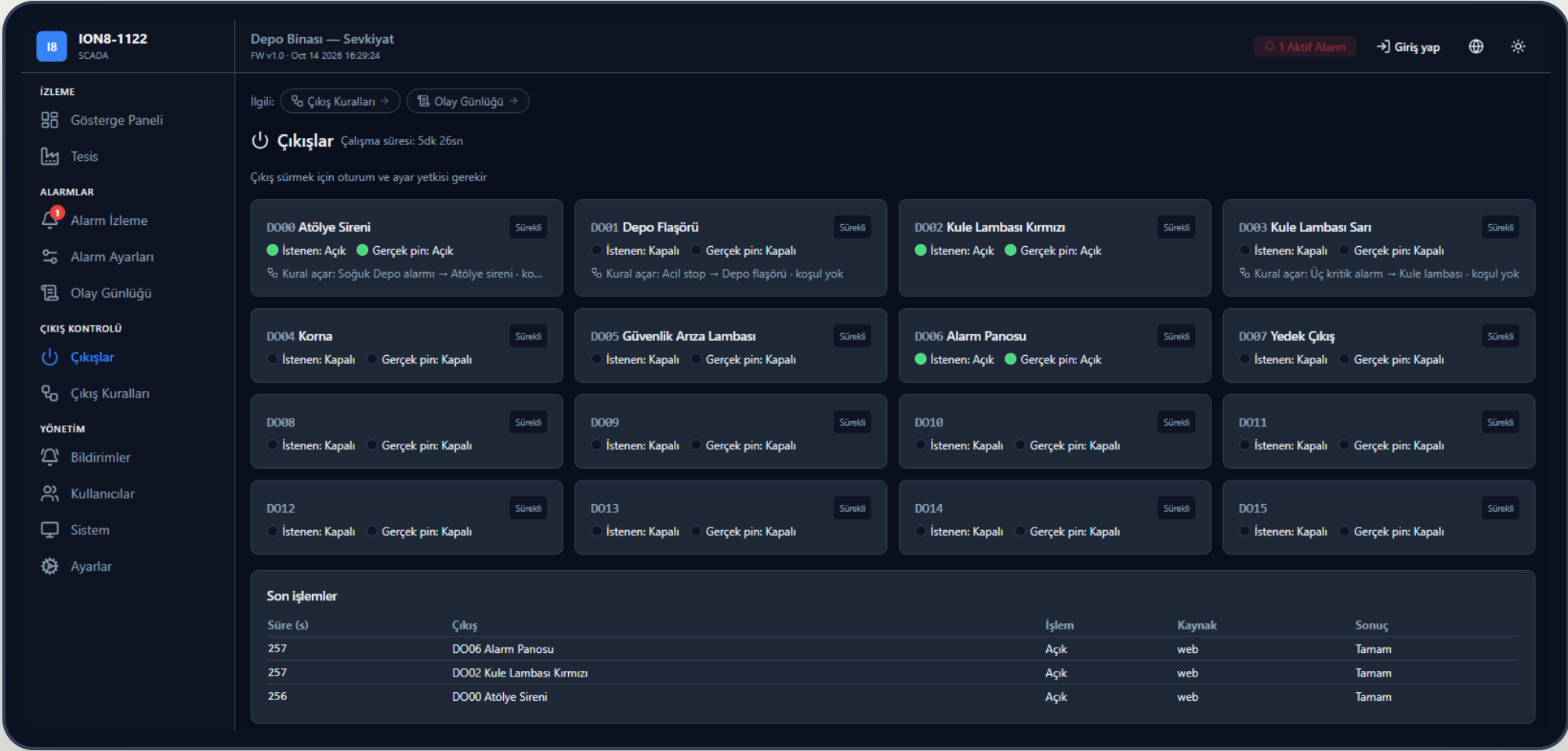
In your own words

Every signal arrives under its own name: "Compressor 2 fault", "Store door open".

PROBLEM SOLVED · A SILENCED PHONE
HEARS NOTHING

AS1122: it doesn't just notify, it **alerts** **on site**

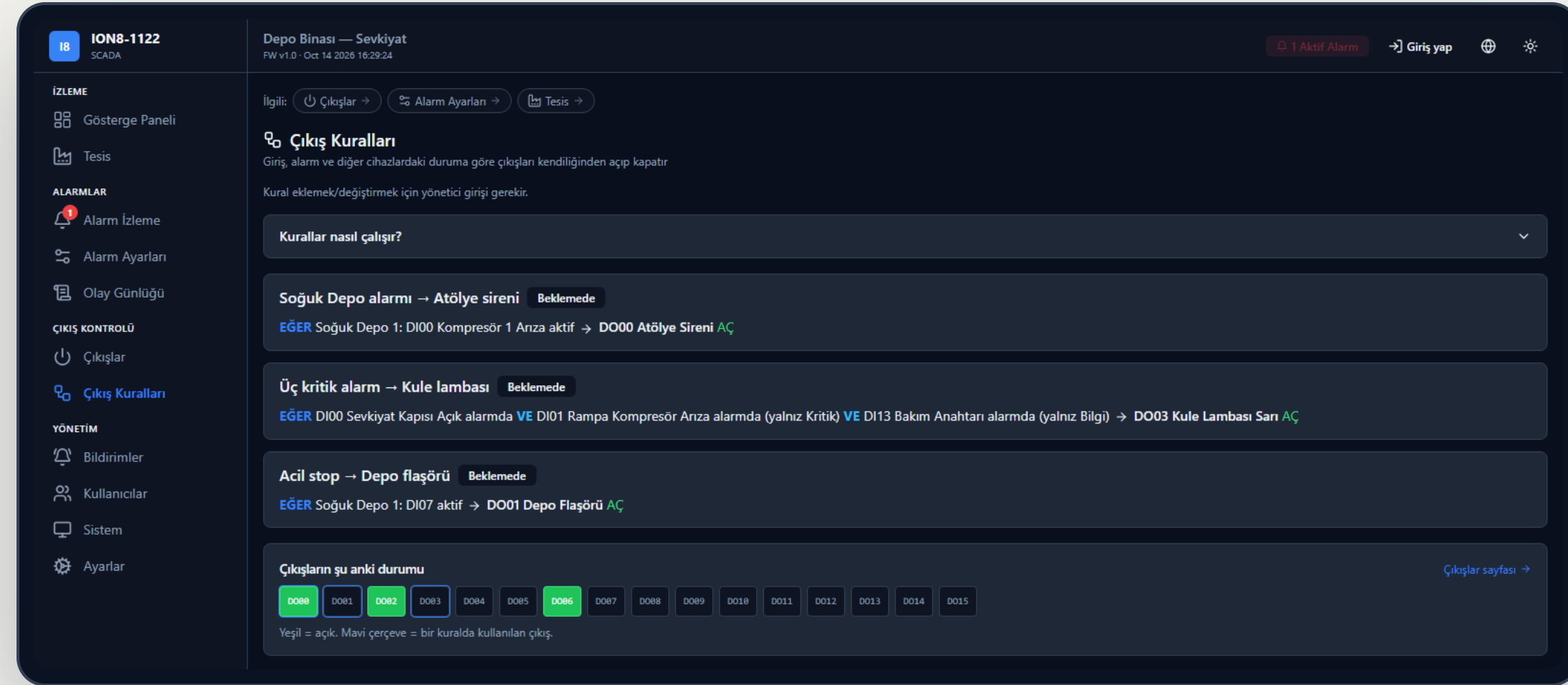
- On alarm, **sirens, beacons, tower lights and horns** switch on automatically.
- You give each of the 16 outputs its own name: "Workshop siren", "Store beacon".
- Authorized users can **switch outputs remotely**; every action is logged with who and when.
- The screen shows each output's **actual state** and which rule switched it on.



Actual panel screen · AS1122 Outputs: active outputs in green, recent actions below

PROBLEM SOLVED · CALLING A PLC PROGRAMMER FOR EVERY CHANGE

No-code automation: **IF ... THEN**



Actual panel screen · Output Rules, readable as plain sentences

"**If the compressor fails, sound the workshop siren**" — you set up the rule yourself in a few taps on the panel.

Multiple conditions: "if three critical alarms are active, turn on the tower light".

An alarm on **a device in another building** can trigger a rule too.

Silencing rules such as "no siren during maintenance".

Ready-made templates get your first rule running in a few steps.

PROBLEM SOLVED · "WHAT IF THE SIREN GOES OFF BY ITSELF?"



Outputs designed to be safe

An output switches on only with an authorized, current command.

✓ At power-up, **all outputs start off**.

✓ A **"keep off" rule always takes priority**; no siren during maintenance.

✓ If something goes wrong, the output **goes to a safe state** and does not stay stuck on.

✓ A recurring fault **will not keep the siren sounding forever**; every action is logged.

⚠ AS1122 outputs are for warning and signaling; they are not a safety relay, emergency stop or machine safety circuit.

PROBLEM SOLVED · WALKING FROM
BUILDING TO BUILDING

All your buildings on one screen

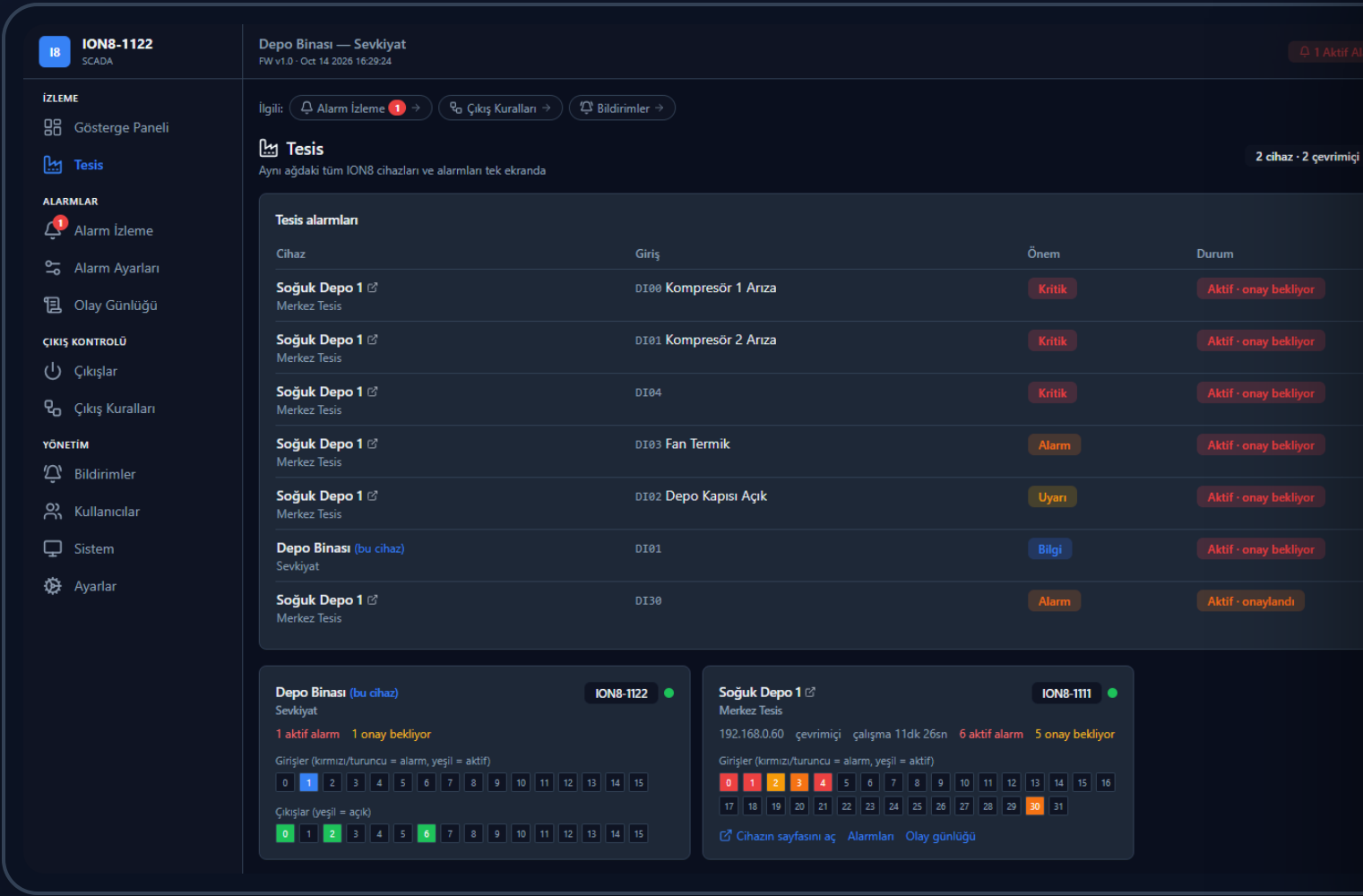
Every Alert SCADA device and alarm on
site in a single list.

One tap opens that device's panel.

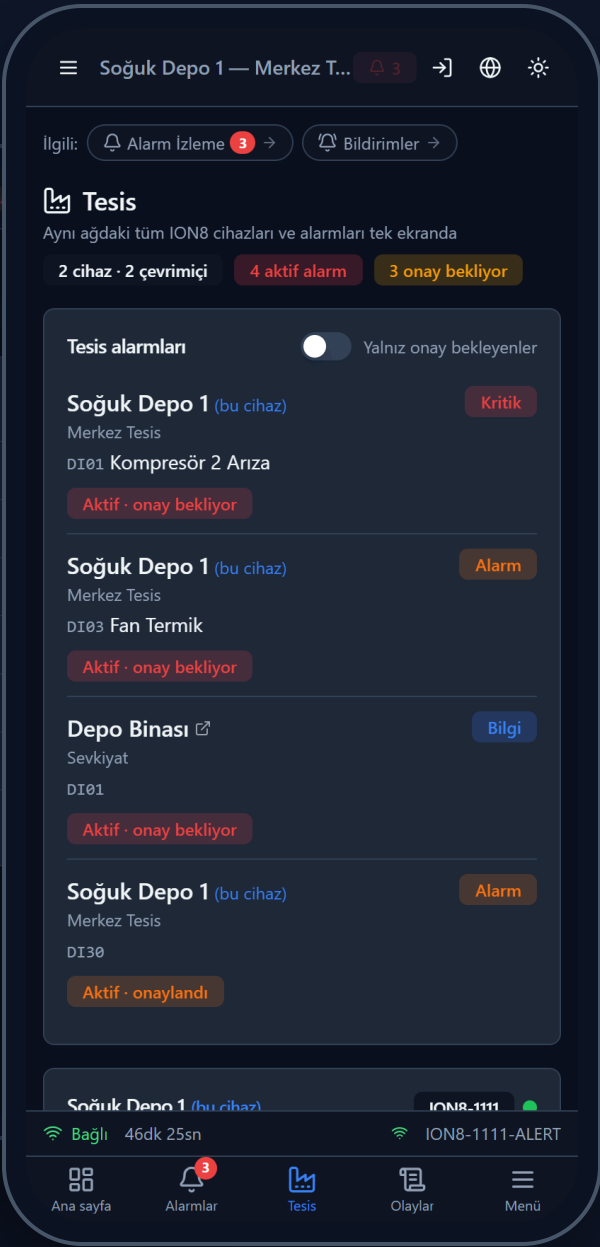
No new cabling: a fault in the warehouse
lights the lamp in the security lodge.

Your existing WiFi network is enough; **no
server, no cloud.**

Add devices as the site grows; the existing
setup stays as it is.



Actual panel screens · Site: all devices and alarms, PC and phone



PROBLEM SOLVED · WALKING OUT TO
CHECK "WHAT'S THE STATUS?"

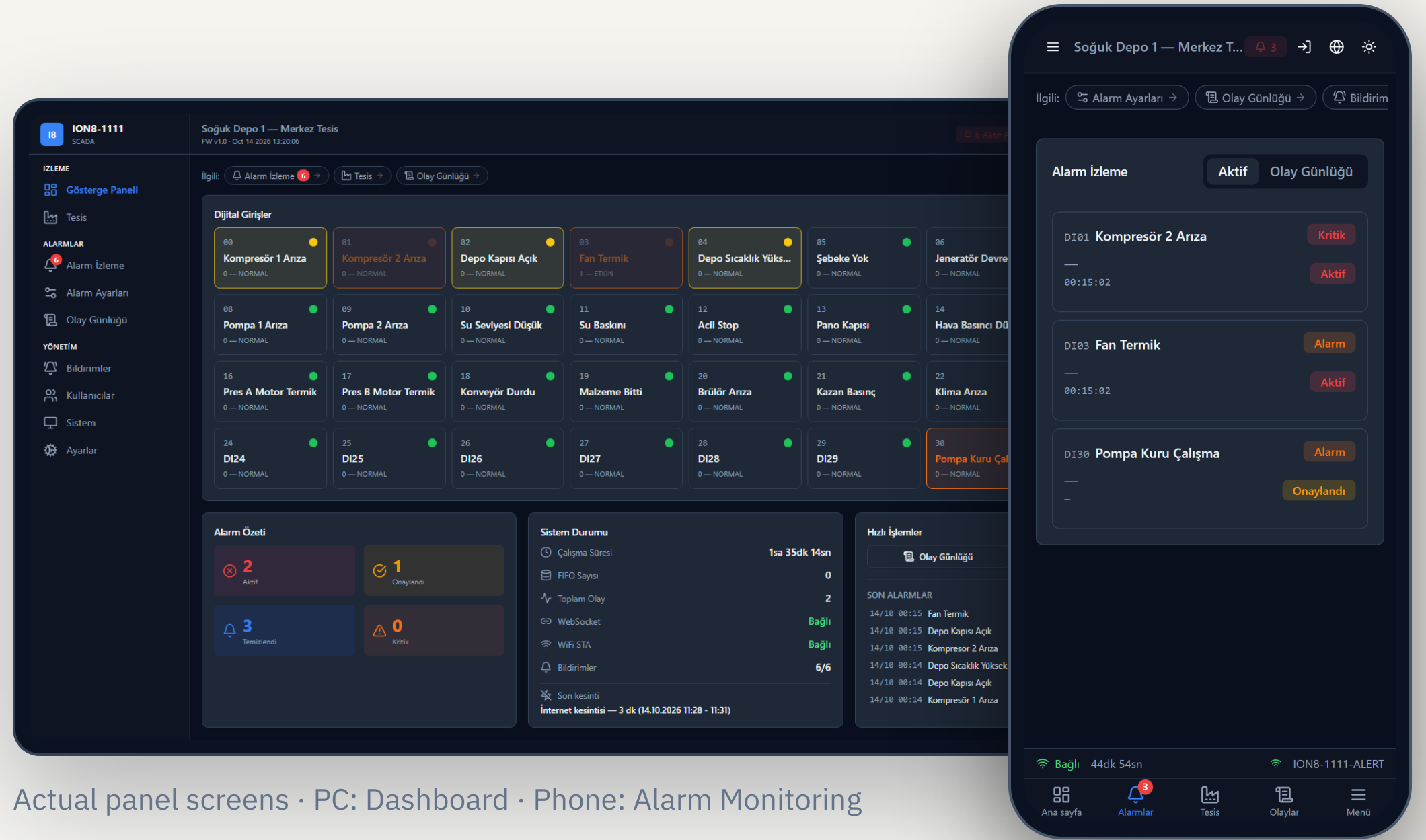
Your plant in your pocket: no app, just a browser

Opens on a phone, tablet or computer; **no software to install.**

Every signal **under its own name** on one
screen; anything in alarm stands out at
once.

Alarm summary, recent alarms and system
health on the same page.

Turkish and English; **no training needed.**



Actual panel screens · PC: Dashboard · Phone: Alarm Monitoring

PROBLEM SOLVED · "WHAT HAPPENED
LAST NIGHT, WHO CHECKED?"

The full story of every event, on record

- For every alarm: **when it started, who acknowledged it, how long it lasted.**
- Even if the signal clears, **an unacknowledged alarm stays on the list.**
- Who changed a setting, and when — **ready evidence for quality and audits.**
- Power and internet outages logged with their durations.
- Periodic **"system running"** report: silence carries information too.

Olay Günlüğü

Tümü

Son 1 saat

Son 24 saat

Son 7 gün

Filtre

167 olay

Zaman	Kanal	Kenar	Mesaj	Önem	Olay No	İşaretler
2026-10-14 17:01:31.400	Su Baskını	✓ Onay	Operatör · alarm 16:57:19 · 4 dk 12 sn sonra onaylandı			
2026-10-14 17:00:16.032	Pompa 1 Arıza	✓ Onay	Operatör · alarm 16:56:58 · 3 dk 17 sn sonra onaylandı			
2026-10-14 16:57:19.205	Su Baskını	↑ Yükselme	▲ Onaylayan: Operatör (4 dk 12 sn sonra onaylandı)	Alarm	1964	0x80
2026-10-14 16:57:18.550	Su Baskını	Ayar	Test alarmı — Operatör			
2026-10-14 16:56:58.836	Pompa 1 Arıza	↑ Yükselme	▲ Onaylayan: Operatör (3 dk 17 sn sonra onaylandı)	Kritik	1963	0x80
2026-10-14 16:56:58.232	Pompa 1 Arıza	Ayar	Test alarmı — Operatör			

Actual panel screen · Event Log: who acknowledged, when, and how many minutes it took

Monitoring continues without the internet

 Still monitoring

Situation	What Alert SCADA does
Internet down	Keeps monitoring, logging and running output rules; holds notifications. When the internet returns, sends them marked “delayed by ... min”, then sends an outage summary.
Power cut	When power returns, reports “Device restarted — power outage ~X min”. Inputs that went into alarm during the outage raise an alarm at start-up.
Clock	AS1111 has a battery-backed clock: outage start and end are logged correctly even without power. AS1122 syncs its clock over the internet.
Device self-health	Reports its own faults too; with the “system running” report, silence means something.

PROBLEM SOLVED · "WHO HOLDS OUR DATA?"

Your data stays on your site



Your site

All records inside the device

➔ Telegram

➔ E-mail

Only notifications go out · no door opens inward

No cloud, no subscription: your records do not sit on another company's servers.

Easy sign-off for your IT team: no router ports to open, no outside access to grant.

Everyone with their own rights: a personal PIN; you decide who acknowledges and who changes settings.

Protected against unauthorized attempts: repeated wrong PINs lock access, and idle sessions close automatically.

Contact details stay on the device: names, e-mail and Telegram details are not sent to the manufacturer.

Unbox, mount in the panel, run

<> No programming

1

Mount and wire

Mount in the panel, connect power, wire signals to the inputs.

2

Connect

Scan the QR code on the label and join the device's WiFi.

3

Wizard

Administrator, device name and location, site WiFi, input names and alarm conditions, contacts.

4

Test

A test message to each contact — see it arrive.

5

Done

Keep the recovery code safe. The system is running.



Settings backup: download all settings as a single file and restore them to the same or a new device — the same configuration across multiple sites in minutes.

Anyone who opens the panel door sees the status

4 status LEDs

-  **Green:** device running normally
-  **Yellow 1:** connected to the site WiFi
-  **Yellow 2:** memory card inserted and working
-  **Red:** critical error — restart the device

3 buttons, no computer needed

How	What happens
Middle button 10 s	Restarts; settings are kept
Both side buttons 10 s, then middle button 3 times	Full factory reset (two steps, so it cannot happen by accident)

At start-up the LEDs light in sequence; if green blinks during the first minute, the device is still booting.

The front panel shown is the AS1111. AS1122 has the same LEDs.

APPLICATIONS · IN YOUR PLANT

Industry scenarios

Production lines

Motor thermal overload, hydraulic pressure drop, emergency stop pressed, out of material. Even when the operator is on a break, maintenance knows within seconds.

Cold stores / food

Compressor fault, temperature switch, door left open. With AS1122, a beacon in the store.

Pump and water stations

Pump stopped, low level, dry running, panel door opened; unmanned stations.

Boiler rooms, plant rooms

Burner fault, generator running, UPS fault, mains failure.

Buildings, data centers

HVAC fault, flood contact, fire panel fault output (for information only).

OEM machine and panel builders

A standard alarm panel for the machines you build: your customers monitor their machines from their phones, and you stand out from the competition.

SUMMARY · RETURN ON INVESTMENT

Why Alert SCADA?

1 Pays for itself in one incident

Detection time cut from hours to seconds.

2 No subscription, no cloud

A one-off investment, no surprise costs.

3 32 signals in one box

AS1111 — or monitor + act: AS1122.

4 Chain of responsibility

Who acknowledged, and how fast — on record.

5 Wizard-based setup

No programming; Turkish and English interface, no training needed.

6 Direct support from the manufacturer

24-month warranty, signed software updates.

THE FUTURE • AN INVESTMENT THAT LASTS

A growing product family

TODAY

AS1111 and AS1122

Instant notification and acknowledgement chain, event log, on-site alerts and no-code output rules with AS1122, all devices on one screen.

In the field, working today.

TOMORROW

Products in development

We are developing new models and features on the same software platform and the same panel.

The devices you install today improve with software updates; new models are designed to work with your existing devices.

Talk to us about new products.

NEXT STEP • HOW DO WE START TOGETHER?

Four steps to a protected plant

1

Site survey

We walk your plant together and identify the costliest faults and the signals to monitor.

2

Proposal

We define models, quantities and installation scope, and present a tailored proposal.

3

Commissioning

On-site installation, signal names and notification contacts; a short introduction for your team.

4

We're with you

24-month warranty, direct support from the manufacturer and software updates.



First step: let's set a date today for a site survey at your plant.



ALERT SCADA

Don't go looking for faults; let the fault find you.

Ionia Automation Technologies

ionia-automation.com

info@ionia-automation.com

Alert SCADA · AS1111 · AS1122 · Ionia Automation Technologies

Frequently asked questions

Question	Answer
Is internet required?	Not for monitoring and logging. Sending Telegram / e-mail needs internet access via the site WiFi; during an outage, notifications are held.
Do we need to replace our existing SCADA?	No. Alert SCADA runs alongside your existing system and takes signals directly from the panel.
How many people can be notified?	Up to 32 users; channel, severity and working hours are set individually for each person.
Does Telegram cost anything?	No. The notification account comes ready with the device; each person taps “Start” on the bot once.
What about sites without WiFi (pump stations)?	Install a 4G router on site.

Frequently asked questions

Question	Answer
What if the power goes out?	The device stops; when power returns, it reports the outage duration. A UPS-backed supply is recommended.
Does it replace a fire / gas alarm system?	No. Alert SCADA is a fault notification device; it does not replace fire, gas or life-safety alarm systems.
Can I move settings to another device?	Yes. The settings backup downloads as a single file and can be restored to a new device section by section (except PINs).
Can several devices work together?	Yes. Devices on the same network appear together on the Site page; an alarm on one device can drive an output on an AS1122.
Does it connect to our ERP / maintenance software?	Yes (AS1111 / AS1122): events are pushed to your server automatically via webhook; your IT team receives an integration guide.
Warranty?	24 months from the invoice date, against defects in materials and workmanship.

Sample notification messages

1 · Alarm

[CRITICAL] Cold Store 1 - Main Site
Channel: Compressor Fault (DI04)
Status: Compressor stopped
Time: 12.11.2026 02:14:07

2 · Acknowledgement

[CRITICAL] Cold Store 1 - Main Site –
acknowledged
By: Shift supervisor · Response: 3 min 12 s

3 · Back to normal

Cold Store 1 – back to normal
Channel: Compressor Fault (DI04) ·
lasted 47 min

4 · Power outage

Device restarted: power outage ~12 min

Technical data

	AS1111	AS1122
Digital inputs (opto-isolated)	32	16
Digital outputs (100 mA/channel)	—	16
Clock	Battery	Via internet
Supply	15–30 V DC	15–30 V DC

Two separate processors: one monitors the signals, the other runs the panel and notifications.

WiFi 2.4 GHz: joins your site network; also opens its own network for setup.

Mounting: screw-mounted on a flat surface, inside the panel; partial dust protection.

Every device is **tested in production** and recorded by serial number.

24-month warranty from the invoice date.

Nominal supply 24 V DC. Drive high-current loads (contactors, large sirens) via an interposing relay.

Sources

Siemens, *The True Cost of Downtime 2024*

~\$1.4 trillion a year across Fortune Global 500 companies (~11% of revenue); ~\$2.3 million per hour in automotive.

ARC Advisory Group survey, ISA InTech (2019)

Most respondents report losing 1–12% of production to unplanned downtime.