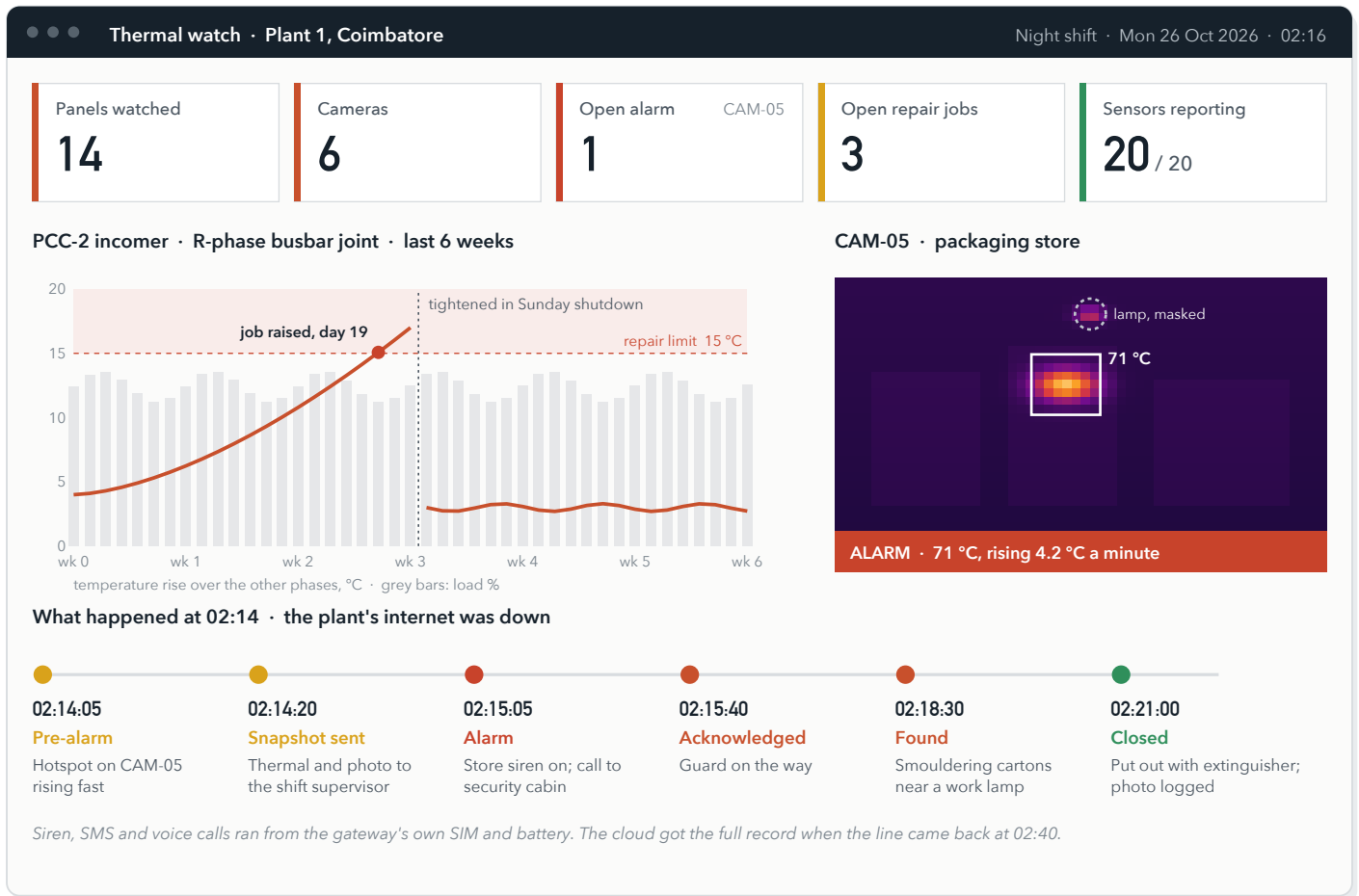


ELECTRICAL PANELS · STORES AND PLANT FLOOR · EARLY FIRE WARNING

Catch the heat before the fire.

Thermal watch on panels, cables, stores and the plant floor. A loose joint or a smouldering stack raises an alarm long before smoke, even at night with the internet down.



Every panel, every day

Not once a year with a handheld camera. Joint temperatures are read with the load, so a joint that is hot for its load stands out early.

Alarm in seconds, offline

The gateway in your plant decides and sounds the siren. Calls and SMS go out through its own SIM, with battery backup through power cuts.

A record you can show

Every alarm, response time and repair is logged with images, ready for your insurer, fire NOC renewal and customer audits.

Adds to your fire alarm system. Does not replace it.

Detectors and alarm systems required under the National Building Code and IS 2189 stay in place. Thermal watch adds early warning where smoke detection is slow: panels, stores, dusty areas, high roofs. It can signal your fire panel through a contact input.

01 Compliance

Energy, carbon and export passports

02 Quality

Process fingerprint and golden window

03 Safety

Thermal watch and early fire alarms

04 Process

Downtime, cycle time, OEE, planning

Cloud or on-premise · read-only to your machines · buy only what you need

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Screens show an illustrative foundry in Coimbatore, Tamil Nadu. All figures and events are examples, not results from a named customer. Supplements, and does not replace, statutory fire detection. Names to be confirmed.

ILLUSTRATIVE PLANT

Grey iron foundry, Coimbatore, Tamil Nadu

Pump and motor castings · two induction furnaces · 3 shifts

14

LT panels
5 with sensors

6

Cameras
stores, furnace bay

1

HT yard
2 MVA transformer

THREE SITUATIONS THE MODULE CAUGHT

01 A loose joint found in week 3, not at the annual survey

PCC-2 incomer · R-phase busbar

The joint ran 4 °C above the other phases in week 0. Over three weeks the rise climbed to 17 °C while the load stayed between 56% and 68%. At 15 °C the platform opened a repair job with the trend and images attached.

Tightened during the Sunday shutdown; the rise is now 3 °C. Fixed in a planned stop instead of failing during a melt.

02 Smouldering cartons at 2 a.m.

Packaging store · CAM-05

A work lamp left on near a carton stack heated one corner. The camera saw the temperature climb 4 °C a minute and raised a pre-alarm, then a full alarm, while the store was empty and the internet was down.

Found smouldering about four minutes after the first pre-alarm, before smoke reached the ceiling detectors. Put out with a hand extinguisher.

03 A furnace bay without false alarms

Induction furnaces and pouring area

Ladles and molten iron at 1,400 °C would trip any simple limit. Each camera has masked zones and its own limits, and the cable trench under the furnace platform is watched for rate of rise.

Alarms come only from heat where it does not belong: the cable trench and the hydraulic power pack of furnace 2.

Who gets called, and when

Escalation stops as soon as someone acknowledges

0 s **Pre-alarm**
SMS and snapshot to the shift supervisor

60 s **Alarm**
Siren in the zone; voice call to security

+2 min **No answer**
Call the maintenance in-charge

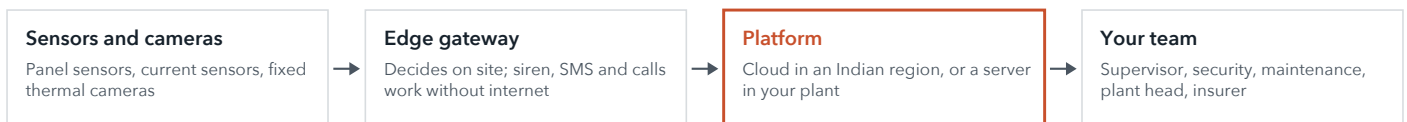
+5 min **Still no answer**
Call the plant head

Muting a zone needs a person on site, a reason and a time limit. The cloud can acknowledge an alarm but cannot switch one off.

CHOOSE YOUR FEATURES

☒	Asset register Panels, transformers, stores, with photos	CORE
☒	Panel watch Fixed sensors, read against load current	CORE
☒	Local alarm Siren and strobe; works offline on battery	CORE
☒	Call escalation Voice calls and SMS through the gateway SIM	CORE
☐	Area cameras Stores, scrap yard, dust collector, bays	OPTION
☐	Quarterly survey Handheld thermography by our team	OPTION
☐	Repair jobs Before and after images, closure	OPTION
☐	Safety record Pack for insurer, NOC renewal, audits	OPTION
☐	Fire panel link Contact input to your existing panel	OPTION

HOW IT FITS TOGETHER



START WITH WHAT YOU HAVE

TIER 0 Quarterly survey Our handheld survey: asset register, ranked hot list and repair jobs.	TIER 1 Panel sensors Your 5 to 10 most critical panels watched day and night, with siren and calls.	TIER 2 Area cameras Stores and high-risk floor areas watched for early signs of fire.
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