

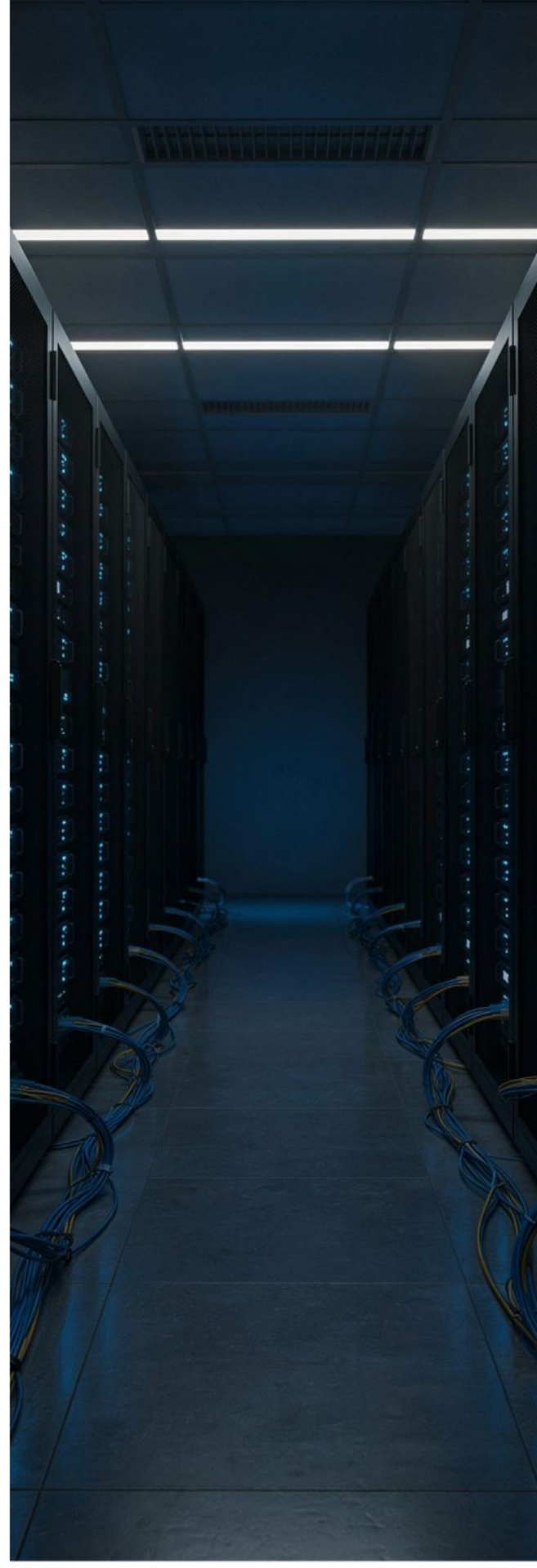
Velora Alsys

KavachIQ

Network Management System

Unified visibility across IT and
operational infrastructure

AI inside. On your infrastructure.



One system for the entire estate

KavachIQ discovers equipment, monitors health and alerts the right people when something goes wrong.

IT and operational technology

Corporate networks and servers alongside substations, plant equipment and power systems.

On-premises operation

Runs on your hardware and network, with no external dependency.

Current capability coverage

Discover and monitor

Automatic inventory, continuous performance measurements and historical trends.

Detect and notify

Fault correlation, centralised logs and notifications through existing operational channels.

Visualise and report

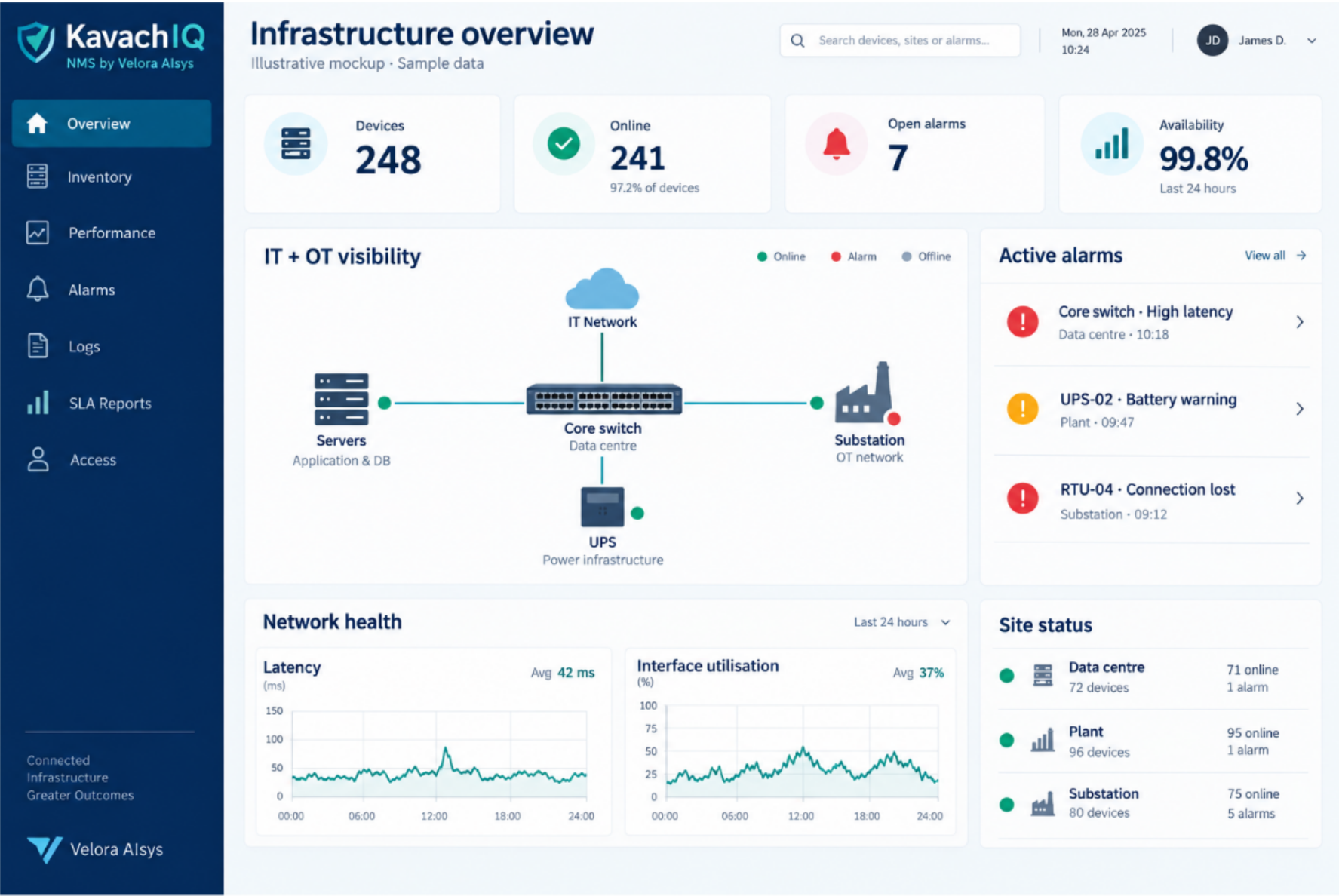
Network maps, live device readings, spreadsheet export and SLA reporting.

Govern and operate

Role-based access, audit records, local deployment, backup and restore.

Software dashboard overview

Illustrative concept interface with sample data



Discovery and inventory

Automatic discovery

Scan an address range without manually entering a device list.

Device identity

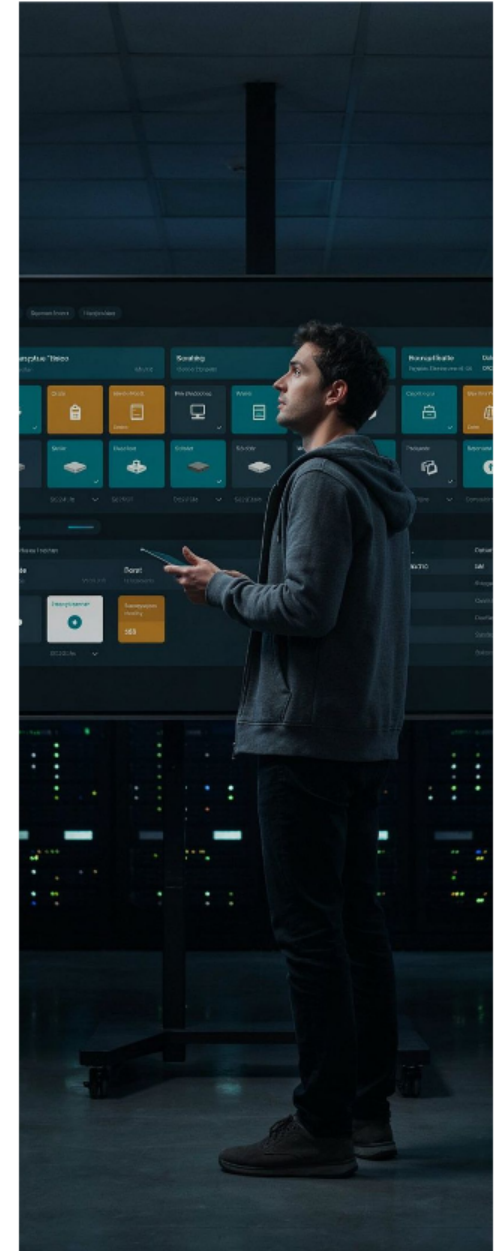
Identify make, model, type, firmware, serial number and asset details.

Connectivity

Refresh interface and port inventory, and discover neighbouring devices.

Controlled onboarding

Schedule re-scans, review before import, identify open ports and running services, and group by site or business criticality.



Continuous performance monitoring

Network health

Availability, latency, packet loss and jitter.

Interface utilisation, errors and discards, with historical trends across the selected period.

Servers and systems

Processor, memory and disk capacity.

Uptime and restart detection across Windows, Linux and macOS.

Degradation can be visible even while a device remains reachable.

Operational technology and power

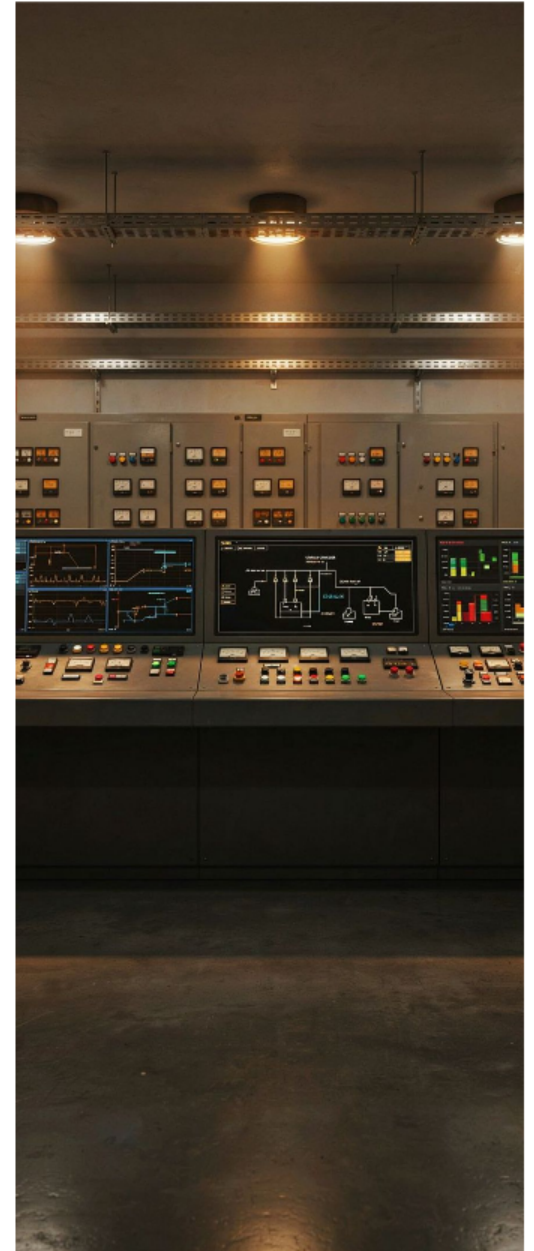
Equipment coverage

Energy meters, substation RTUs, industrial controllers and UPS units.

Monitoring packs

Eight ready-made packs included. Custom monitoring packs require no code.

Electrical readings and network health share the same alarms, rules and reports.



Read-only OT by design

No write path

KavachIQ reads plant and substation equipment. Its current OT architecture cannot write to that equipment.

Built into the product

Read-only behaviour does not depend on an administrator remembering a setting.

No plant-side agents

No agent or software installation on operational equipment.

Fault management

One upstream failure. One actionable alarm.

Prioritisation	Five severity levels, ranging from information to disaster.
Root-cause context	Identify the upstream cause and suppress downstream alarm noise.
Noise control	Flapping suppression and maintenance windows.
Incident evidence	Full alarm history supports post-incident review.

Logs and notification

Centralised event visibility

Collect device logs in one place and search across the estate.

Rules raise alarms when messages match defined conditions.

Operational notification

E-mail and on-screen alerts.

SIEM forwarding and ticketing callouts.

Undelivered alarms are surfaced rather than silently lost.

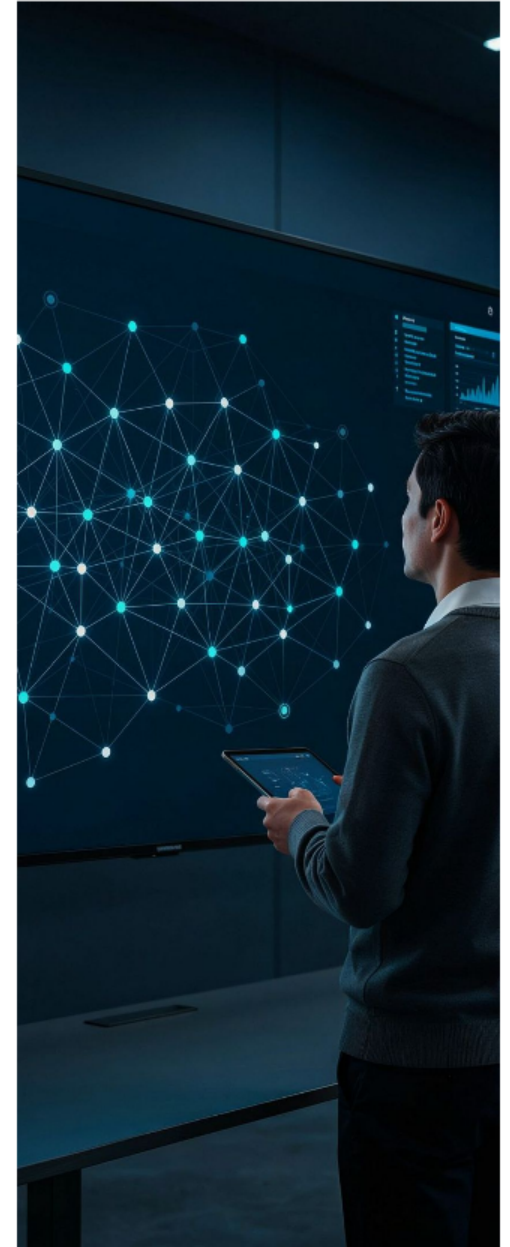
Visibility and SLA reporting

Single dashboard

Network maps, live and historical readings for each device, spreadsheet export and a built-in assistant.

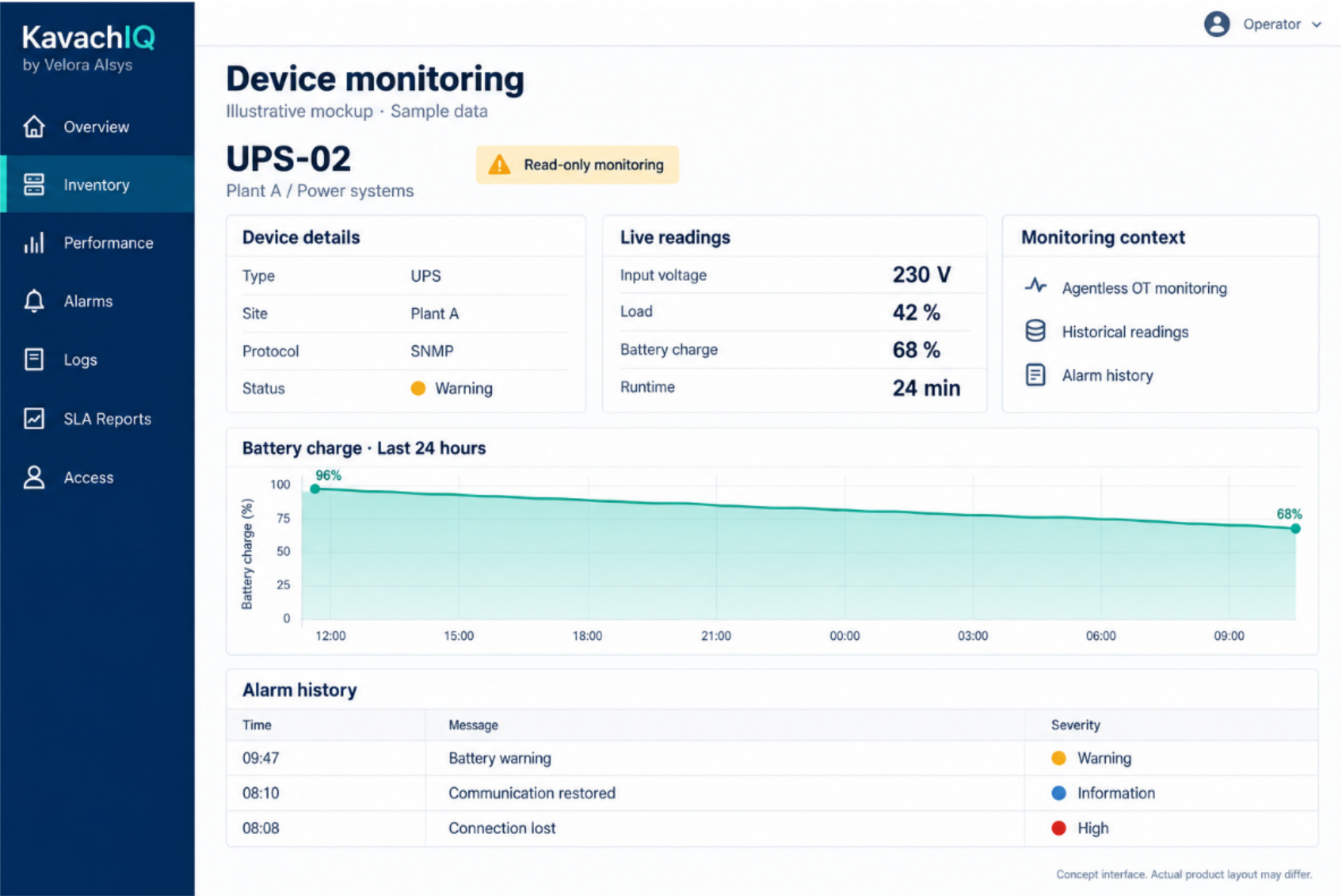
Service-level evidence

Availability and uptime reporting by device, group or site. Service-level policies support agreed downtime exclusions.



Device monitoring overview

Illustrative concept interface with sample data



Governance and access control

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distinct permissions

Access

Custom roles and corporate single sign-on.

Audit trail

A complete, uneditable audit trail.

Credential protection

Encrypted device passwords.

Deployment and operational resilience

Your infrastructure	Runs entirely on your own hardware and network.
No outside dependency	On-premises operation, including local AI models.
Installation	Single-command installation.
Recovery	Scheduled backups and a tested restore runbook.

System architecture

Monitored estate

Remote edge collectors.

Host agents for IT-only endpoints on Windows, Linux and macOS.

Network and OT devices communicate through SNMP, Modbus and IEC-104.

Control centre

A single hardened node.

Caddy (HTTPS) and REST API
Collector service and Starter job queue
Tracd history and Synlogd logs
AI Talking (LLM)
TimescaleDB and PostgreSQL 16

AI assistant in an air-gapped environment

Local AI models

The built-in assistant supports alarm summaries and incident summaries without a cloud dependency.

Operational context stays within your deployed environment.

Critical infrastructure applications

Infrastructure

Data centres and utilities.

Industrial operations

Industrial and manufacturing sites, plus renewable energy.

Transport and networks

Telecom, railways and metro systems.

Public and secure estates

Security and defence, government and compliance, smart cities and campuses.

Roadmap: coverage and management

Planned scope. No delivery dates committed.

Horizon 1

Wireless monitoring.
Routed Layer-3 maps.
Deeper equipment packs.
Self-redrawing topology maps.

Horizon 2

Configuration backup and change history.
Compliance checking.
Configuration deployment and rollback.
Firmware upgrade management.

Roadmap: insight and enterprise fit

Planned scope. No delivery dates committed.

Horizon 3

Traffic analysis and top talkers.
Connected-client visibility.
Capacity forecasting.
Behavioural baselining and
anomaly detection.

Horizon 4

Corporate directory integration.
Service-management connectors.
SMS and push notifications.
Sealed appliance image and guided
first-boot setup.

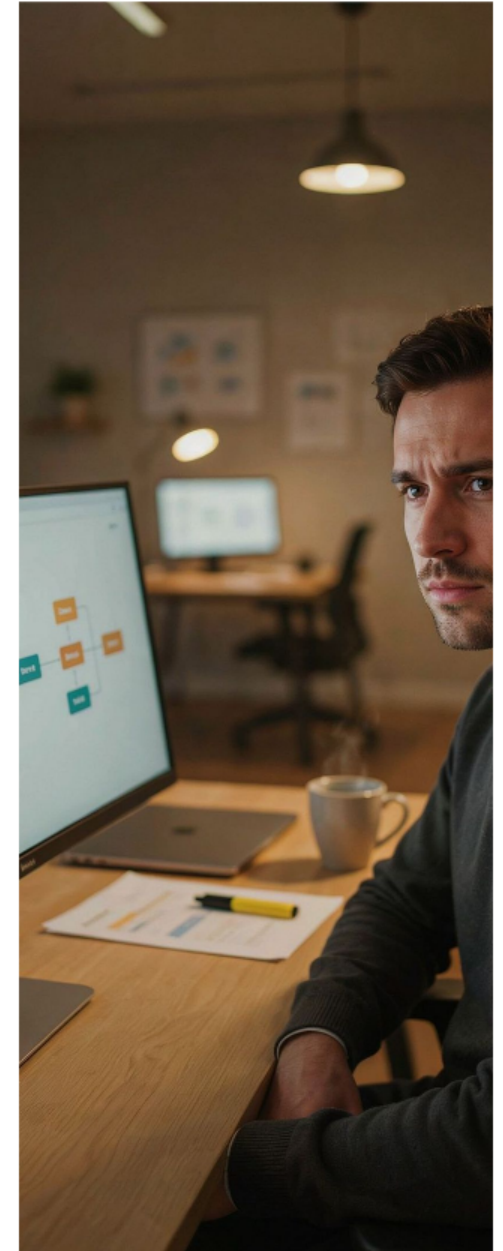
Horizon 2 requires a controlled write model

Current OT operation is read-only.
Configuration and firmware management
would add the ability to change devices.

Proposed controls

Enable per organisation.
Restrict access to relevant equipment classes.
Require approval before applying a change.

A product governance decision within the roadmap.



Meet KavachIQ

Unified IT and OT visibility

Automatic discovery, continuous monitoring, meaningful alarms and defensible availability reporting.

Let's discuss your estate and monitoring needs.

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