



The Future of Building Management is Autonomous



Stalice Tech + NextNet AI: Future-Ready Hybrid BMS

Stalice Tech is a technology solutions company with 120+ projects executed, 15+ global partners, and a presence in 6+ countries, delivering innovative solutions across education, infrastructure, manufacturing and agriculture since 2019. Building on our expertise in networking, surveillance, access and IoT systems, we now offer a next-generation Building Management System, where Stalice Tech leads design, deployment and support, powered by NextNet AI as our specialised AI partner for autonomous, interoperable and energy-efficient BMS intelligence.

Core Capabilities: Hybrid Building Platform

1



Hybrid Infrastructure

Supports both wired and wireless for faster installs and retrofits.

2



70% Less Wiring

Reduced cabling lowers cost, speeds deployment, and cuts carbon footprint.

3



Hardware Independent

Works with Siemens, Schneider, Honeywell, JCI and other vendors.

4



AI-driven Intelligence

Chat interface, predictive analytics, anomaly detection for operations.

5



End-to-End Ecosystem

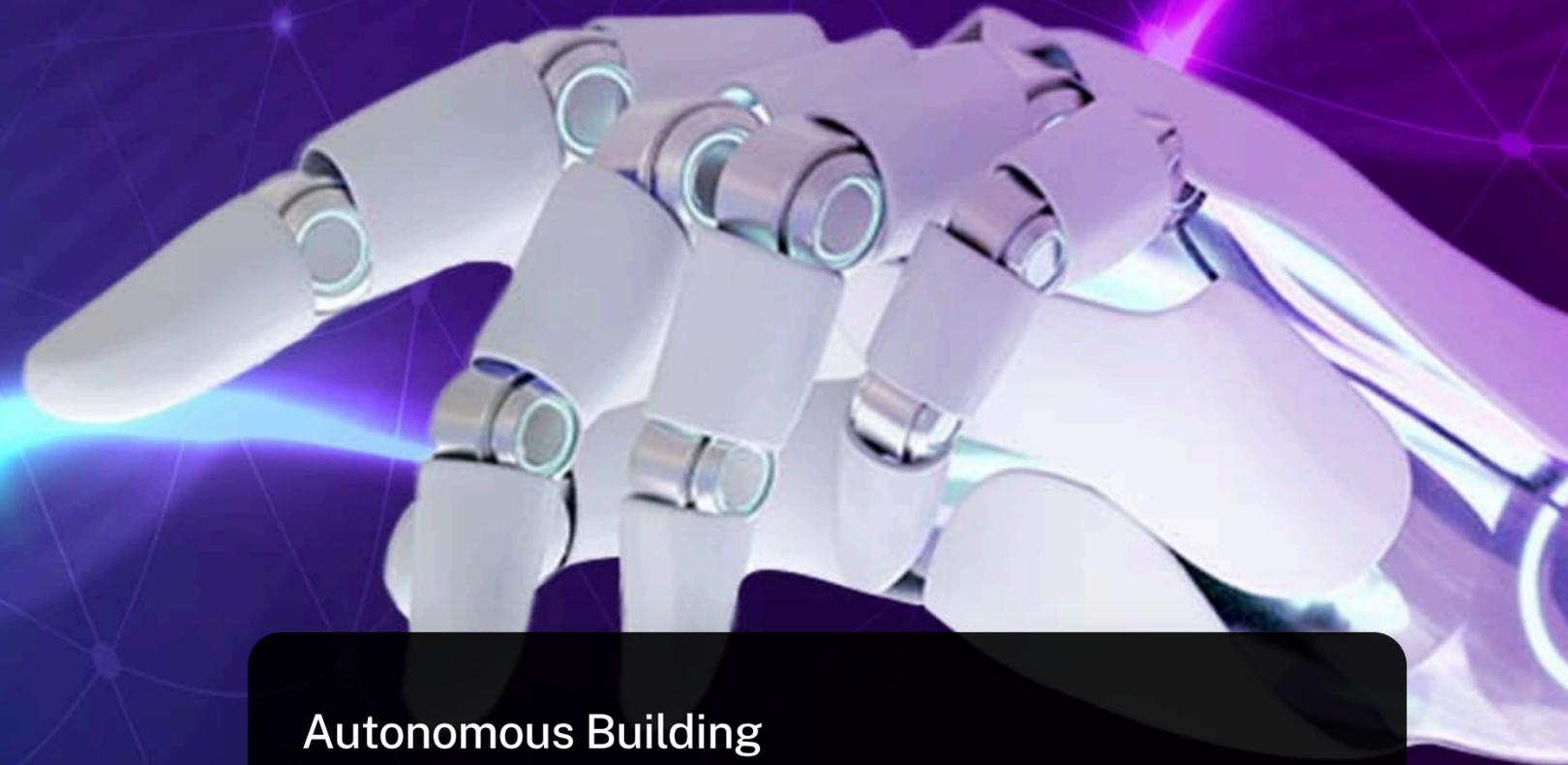
Sensors to gateway to AI to dashboard to mobile app for unified ops.

The Era of Reactive Management is Over

Move from firefighting to proactive asset optimization and unified visibility

Legacy BMS

- Complex and rigid wiring
- Vendor lock-in (proprietary systems)
- Reactive maintenance
- Siloed data and systems

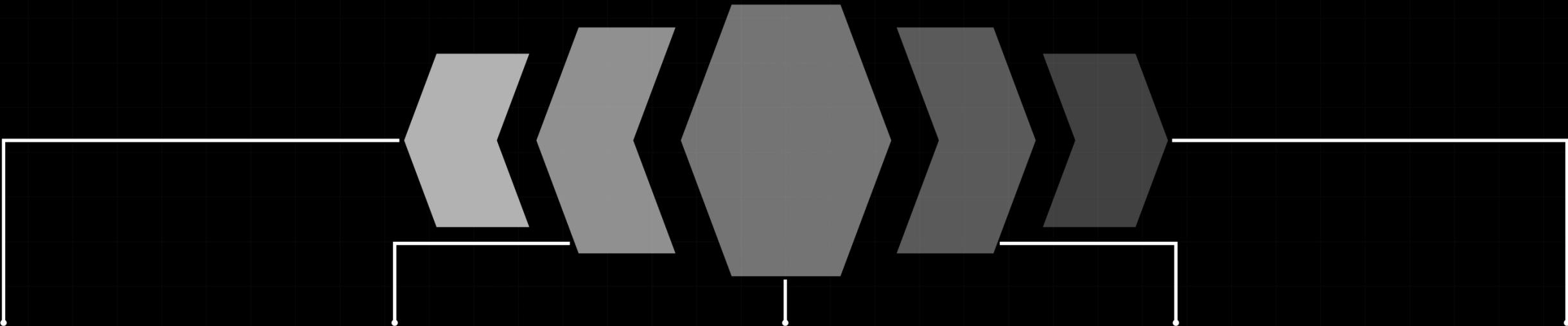


Autonomous Building

- Flexible hybrid infrastructure (wired and wireless)
- Universal interoperability with multiple vendors
- Proactive AI intelligence: predictive analytics

Solution Architecture: Layered Design

Device, Gateway, AI and Analytics, Application, Security and Management



Device Layer

Connects diverse sensors and controllers across wired and wireless networks; supports Siemens, Schneider, Honeywell, JCI.

Gateway Layer

NextNet Edge Gateway aggregates multi-protocol data: BACnet, Modbus, MQTT, OPC-UA, Thread.

AI and Analytics

On-prem or cloud processing for prediction, anomaly detection, and optimization; supports AI-driven chat and predictive analytics.

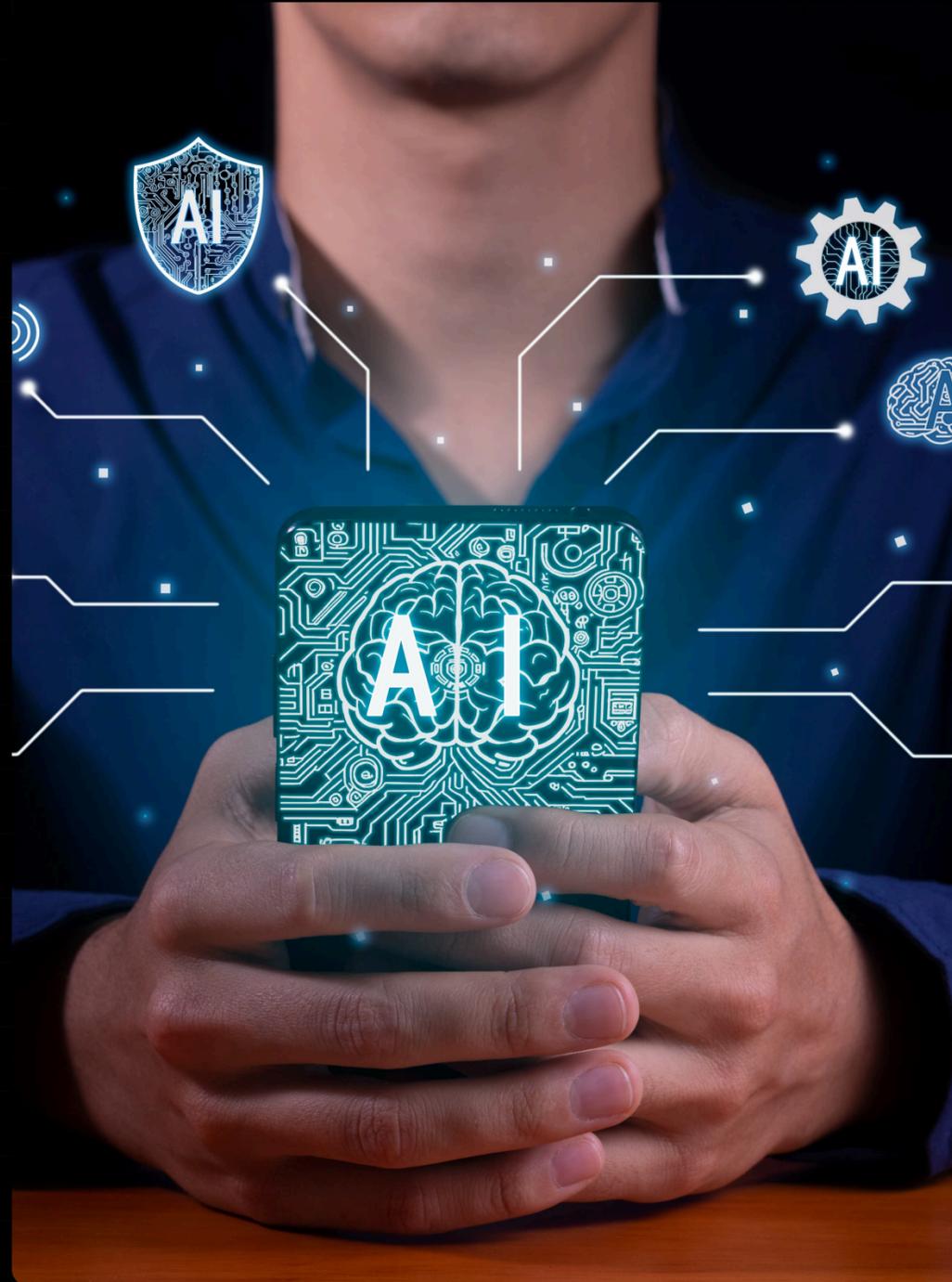
Application Layer

Dashboards, mobile apps, and AI chat for monitoring and control.

Security and Management

Data privacy, encryption, secure APIs, and role-based permissions for end-to-end management.

AI Model Capabilities — Key Functions



1 **Conversational AI:** Natural chat for queries and actions

Enable user workflows; requires quality conversational data

2 **Predictive Maintenance:** Models learn equipment behavior to forecast failures

Reduces downtime; needs historical sensor and failure data

3 **Energy Forecasting:** Forecast demand patterns to optimize operations

Improves efficiency; depends on accurate historical and weather data

4 **Anomaly Detection:** Detect unusual patterns and trigger early alerts

Protects operations; requires labeled anomalies and baseline data

5 **Root-Cause Analysis:** Multi-variable correlation to find underlying causes

Speeds resolution; needs integrated multi-source telemetry

6 **Implementation Considerations:** Data quality and continuous monitoring

Ensure training data quality and ongoing model performance checks

Deployment Models



Cloud-Based

Centralized multi-site management with remote visibility, analytics, and AI-based insights — ideal for large distributed portfolios.



Edge-Based

On-premise decision-making for low-latency, mission-critical operations where real-time control and data privacy are essential.



Hybrid Model

Best of both worlds — combines edge reliability with cloud scalability for optimal performance and flexibility across enterprise-scale systems.



Full Wireless Option

Simplified installation with up to 70% less wiring, enabling faster deployment, minimal infrastructure disruption, and reduced carbon footprint.



Cost-Effective Architecture

Modular and scalable setup that adapts to your existing infrastructure — lower upfront investment and faster ROI compared to traditional automation systems.

Unified Platform Experience for Building Operations

Single pane control of devices, surveillance, and access with role-tailored views



Interfaces

Web Dashboard with consolidated controls

Mobile App supporting mobile-first workflows

AI Chat for conversational diagnostics and actions

Role-based dashboards

Admin: full system control and settings

Operator: real-time operations and incident handling

Manager: KPIs, reports, and approvals

Systems managed

Electromechanical: HVAC, Lifts, Escalators, DG

Physical surveillance: Cameras, ANPR/LPR, ANVR

Access Control: Facial recognition, 2FA door access

Target Industries and Primary Value Drivers

Where integrated energy management, predictive maintenance, and secure access deliver the most impact



1 Smart Buildings and Office Campuses

Integrated energy, network management and secure access



2 Manufacturing and Industrial Plants

Anomaly detection and reduced downtime



3 Healthcare and Pharma:

Secure access and environmental control for regulations



4 Data Centers and Utilities

Cooling efficiency and continuous operations



5 Smart Cities and Infrastructure:

City-wide integrations for resilience and efficiency



6 Education

Energy savings, network management and secure access for schools

Business Benefits: Measured Outcomes

70 %

Reduction in Wiring Infrastructure

Less cabling lowers cost, speeds deployment, and cuts carbon footprint

40 %

Energy Savings

AI-driven optimization; range depends on baseline and scope

50 %

Lower Downtime

Predictive maintenance reduces outages and service disruption

6 to 12 months

Fast ROI Payback

Fast ROI on average; actual payback varies by execution

BMS Web Dashboard

NextNet BMS

Skyline Square
Office orohibestari

Critical Alerts
2
HVAC Fault
Fire Alarm Test Required

Live Power
273kVAh

CO2: 450 ppm
PM2.5: 12 µg/m³
Temp: 22°C

Energy consumption
Total 273kVAh | Total 23.5kVAh

Mon Tue Wed Thu Fri Sat Sun

Camera
LIVE

Control HVAC, Lighting, Lifts/Escalators, DG Sets, Physical Surveillance, and Access Control from one place.

Digital Twin Overview
Inter Regular

Real-time Critical Alerts
Inter Regular

Live Energy Consumption & Trends
Inter Regular

Your Command Center: Intelligence at Your Fingertips

A single pane of glass for monitoring, automation, and optimization.

Holistic portfolio view.

Chiller Plant

Skyline Square

Live Power
273 kVAh

Voltage

Daily Consumption

Energy Use by Meter

BMS Web Dashboard

From Macro-Level Oversight to Micro-Level Control



Role-based dashboards for every user: Admin, Operator, and Manager

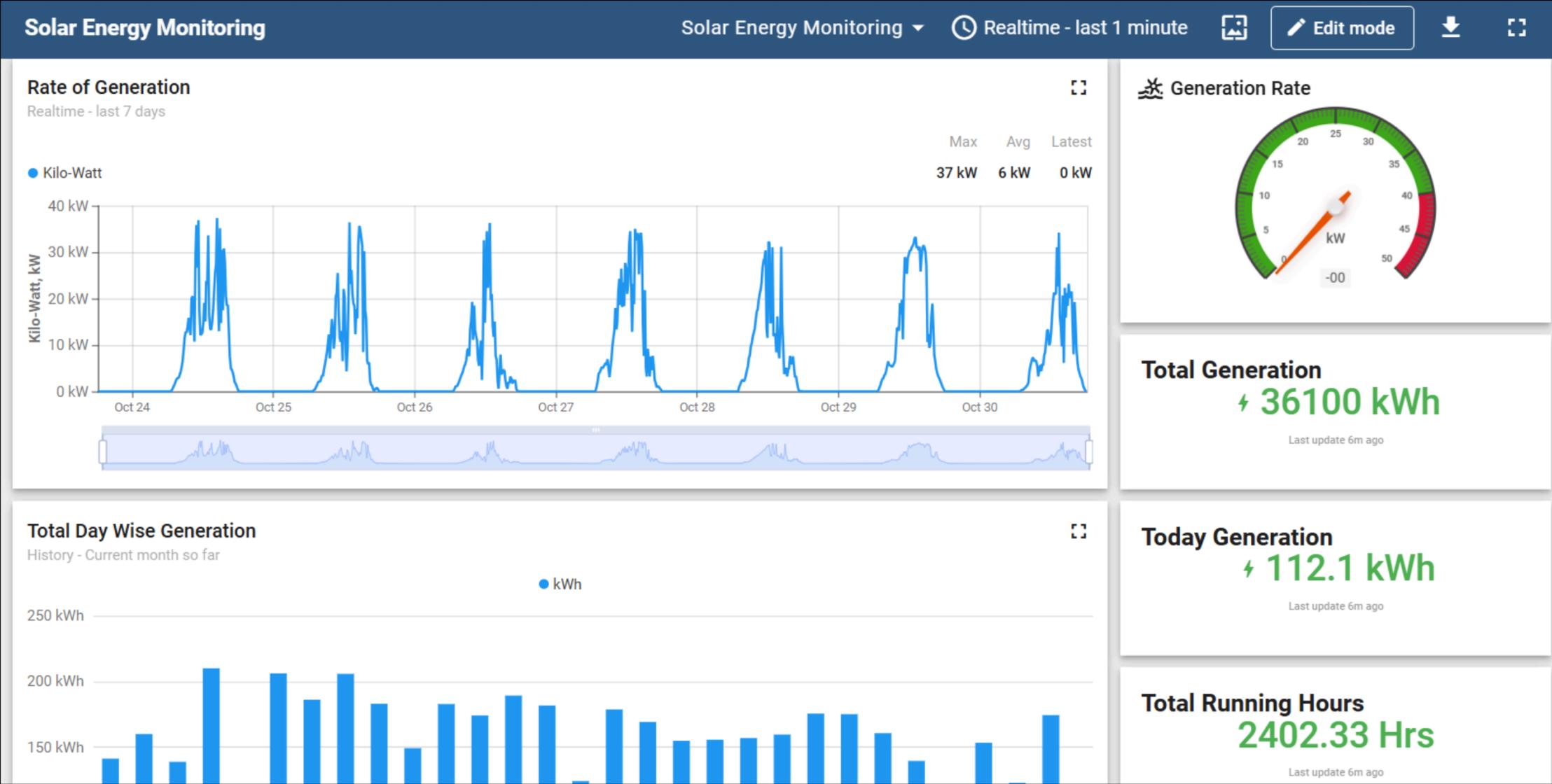
A detailed view of the BMS dashboard interface. At the top, there are navigation tabs: Home, Chiller, Floor, Thermostat, EMS, UPS, and DG. The main content area is divided into several sections:

- Left Panel:** A 3D building model with 'VZone' labels and a 'Camera' section.
- Top Right:** Environmental data for PM2.5 (81 µg/m³) and PM10 (43 µg/m³) with trend graphs.
- Middle:** 'LIVE POWER' section showing 329kVAh and 'Energy consumption' bar chart.
- Bottom Right:** Temperature (20 °C) and Humidity (51 %) sensors.

A detailed view of the BMS dashboard interface, specifically the 'Thermostat' control page. At the top, there are navigation tabs: Home, Chiller, Floor, Thermostat, EMS, UPS, and DG. The main content area is divided into several sections:

- Left Panel:** A 3D floor plan with four zones highlighted: VZone-1 (green), VZone-2 (blue), VZone-3 (red), and VZone-4 (orange).
- Right Panel:** Thermostat controls for each zone, including a toggle switch, a temperature display, and adjustment buttons. Zone-1 is set to 24 °C, Zone-2 to 22 °C, Zone-3 to 21 °C, and Zone-4 to 24 °C.
- Bottom Right:** Detailed status for VZone-2 and VZone-1, including 'Status' (Online), 'Set Temperature', and 'Temperature'.

Energy Management Dashboard



AI Prediction Model

next Prediction Models / temperature prediction Disabled Copy Train model JOB ×

Input Accuracy metrics Tasks

Accuracy: 92% Get Accuracy

Out of every 100 points predicted over 7 day (step: 1 day), 92 predicted values differ from real values by under 1 units.

DEVICE: All items LEVEL DEFINITION: AUTO

Confidence Band

Date	Upper Bound	Lower Bound
1	100	85
2	98	82
3	96	80
4	94	78
5	92	76
6	90	74
7	88	72

Confidence Level

Date	Confidence Level (%)
1	92
2	91.5
3	91
4	90.5
5	90
6	89.5
7	89

DEVICE: Wireless_THS PREDICTION: 0

Real Data

Date	Real Data
2	29.7
3	29.7
4	29.7
5	29.7
6	29.7
7	29.7

Modular Add-ons for Buildings

Practical Expansion Modules to Enhance Building
Autonomy and Security



Networking Solutions

Complete end-to-end networking for buildings and offices. Cloud-managed access points and switches for secure, scalable connectivity.



1

Cloud-Managed
Access Points

2

Manageable
Switches for
Reliable
Connectivity

3

Centralized
Visibility and
Control

4

Secure,
Scalable
Architecture

5

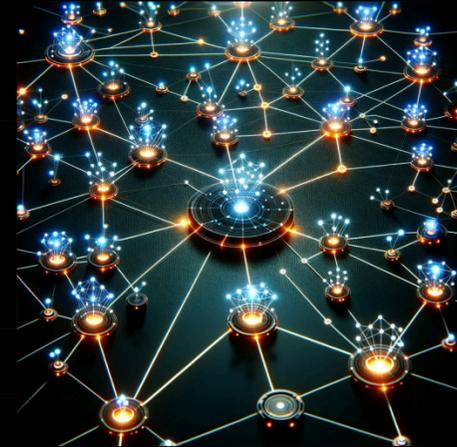
Seamless
Integration with
Building
Systems

Visitor Management Solution



Key features

- Visitor pre-registration and mobile pre-check
- Badge printing and secure screening
- Check-in and check-out logs with visitor history
- Anomaly alerts and basic analytics



Integrations

- Access control systems
- Building management systems and elevators
- Directory services and identity providers
- Badge printers and security cameras



Deployment options

- Desk-based kiosk for staffed lobbies
- Self-service kiosk with badge printer
- Mobile pre-registration and QR check-in
- Cloud, edge, or hybrid hosting



Compliance and User Experience

- Privacy: limit data retention and access
- Accessibility: clear flows and multilingual support
- Auditability: immutable logs for investigations
- Fast, intuitive check-in UX

Smart Entrance Control



Boom Barriers

Use-case: vehicle entry control for parking and perimeter gates

Flap Barriers

Use-case: sleek pedestrian access for medium security areas

Turnstiles (Tripod and Swing)

Use-case: high throughput pedestrian flow and staff access

Employee Attendance Management



1 Fingerprint

- Biometric method for secure, non-repudiable records
- Integrates with payroll for accurate time tracking
- Can link to access control systems for door entry
- Requires privacy controls and compliance safeguards

2 Face Attendance

- Contactless biometric for fast, non-repudiable check-in
- Supports access control and attendance reconciliation
- Privacy and biometric consent management required
- Configurable role-based permissions recommended

3 App Based

- Mobile workflows for remote, flexible, or visitor staff
- Syncs with payroll for remote time capture
- Can integrate with access control via mobile credentials
- Use role-based permissions and audit logs for compliance

Elevator Access Management

Restrict elevator access and floor stops to authorized personnel using biometric and access-control integration.



Controlled Access and Floor Permissions

Businesses That Trust Us





Ready to Transform Your Buildings?

✉ Email
info@statice.tech

🌐 Website
www.statice.tech

