iviva IBMS

Integrated Building Management System (IBMS)

Harnessing Data for Smarter Buildings

iviva IBMS vs BMS

Building Management Systems (BMS) control and monitor a building's mechanical and electrical equipment such as HVAC systems, power, and in some instances, fire alerts.

IVIVA

Integrated Building Management System (IBMS)

IBMS expands this capability by integrating these standalone systems into a single platform. This integration eliminates operational silos, facilitates data-driven management and optimises building operations.

By consolidating data into a single pane of glass, IBMS not only visualises and streamlines processes, but also automates them to uncover and leverage hidden efficiencies.

This holistic approach enhances the performance of existing building systems, transforming isolated data points into actionable insights for continuous optimisation of your building.

The Problem

Companies face significant challenges in managing the real-time monitoring, control and data management of their buildings due to improperly configured Building Management Systems (BMS) or the absence of one altogether.

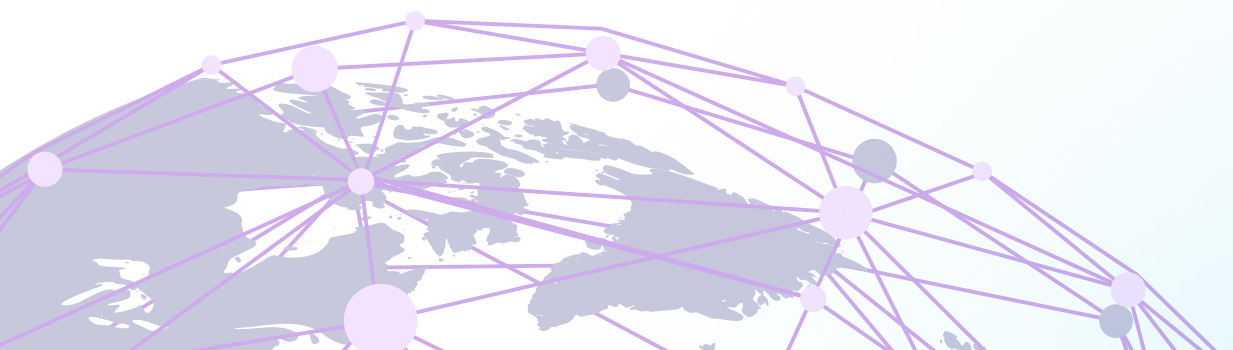
A poorly optimised or non-existent BMS can lead to inefficiencies, causing facilities to use up to 30% more energy.

This not only escalates operational costs but also hampers the ability to effectively manage energy consumption, environmental controls, and equipment maintenance. Consequently, the lack of a robust BMS undermines the potential for data-driven decision-making, impeding efforts to enhance building performance and sustainability.

Solution Overview

IBMS is designed to streamline and optimise the management and operation of smart building systems. By integrating with a wide range of smart building products that utilise open building system protocols such as BACnet, MODBUS, OPC, KNX, SNMP, LONWORKS and OBIX, IBMS provides a centralised platform for real-time monitoring, control, and data management of a building.

IBMS empowers building managers with the tools needed to efficiently operate and maintain modern smart buildings. By leveraging real-time data, comprehensive dashboards, and robust integration capabilities, IBMS enhances the functionality and performance of all integrated building equipment and systems.



Key Capabilities

Integration with Building Equipment & Systems

- Seamless integration with various building systems including HVAC, lighting, lifts and escalators, digital meters, access control, fire, etc.
- Support for open building system protocols: BACnet, MODBUS, OPC, KNX, SNMP, LonWorks and OBIX.

Real-Time Monitoring and Control

- **Real-Time Monitoring:** Keep track of equipment and system performance and status in real time.
- **Real-Time Controlling:** Directly control and adjust system parameters as needed.

Real-Time Dashboards

- **System-Level Dashboards:** Overview of the entire building management system
- **Equipment-Level Dashboards:** Detailed insights into specific equipment performance and status

Network-Wise Health Status

- Live status monitoring of all key hardware components within the IBMS installation
- Health checks for devices, GW servers, web servers, database servers including RAM usage, online/offline status, disk space, and CPU utilisation

Key Capabilities

Building Management System (BMS) Capabilities

Trends

- **View Trends:** Analyse historical data and trend logs to make informed decisions
- **Setup/Enable Trends:** Configure and enable trend logs for critical data points

Alarms

- **View Alarms:** Monitor and manage alarms using an intuitive alarm viewer
- **Alarm Escalation Matrix:** Configure acknowledgement, escalation, and priority settings for alarms
- **Setup Alarms:** Use various logic combinations (time-based, point values, etc.) to set up alarms

Schedules

- **Control Schedules:** Schedule the operation of different systems such as lighting and air conditioning
- **Switch On/Off:** Automate switching on/off or controlling values of various systems

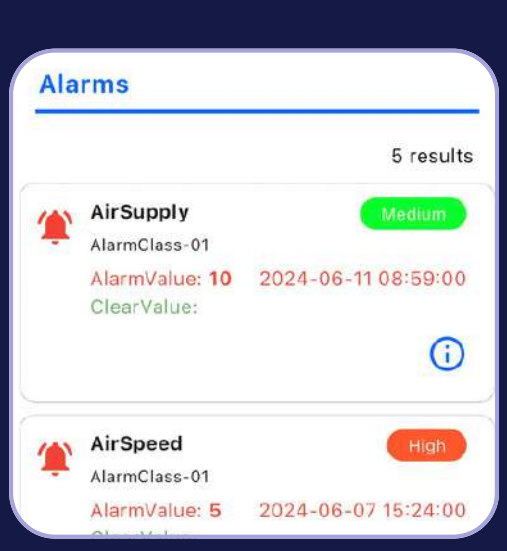
Haystack Tagging (Coming Soon)

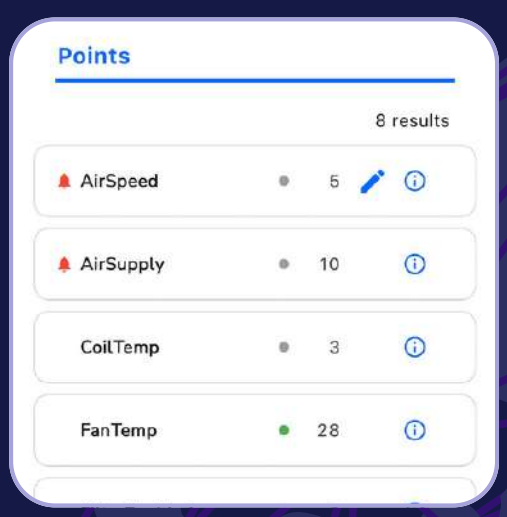
- Points and equipment can be tagged using a Haystack compliant tag names and structures. Naming conventions can be generated or validated using haystack tags

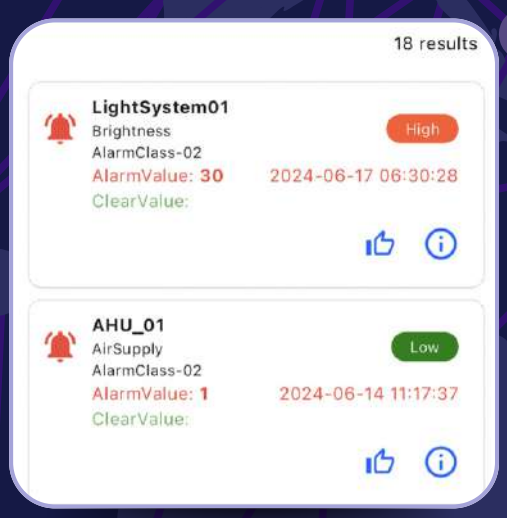
- **Protect sensitive data**
- **Ensures data integrity confidentiality, and availability**
- **Complies with regulations**

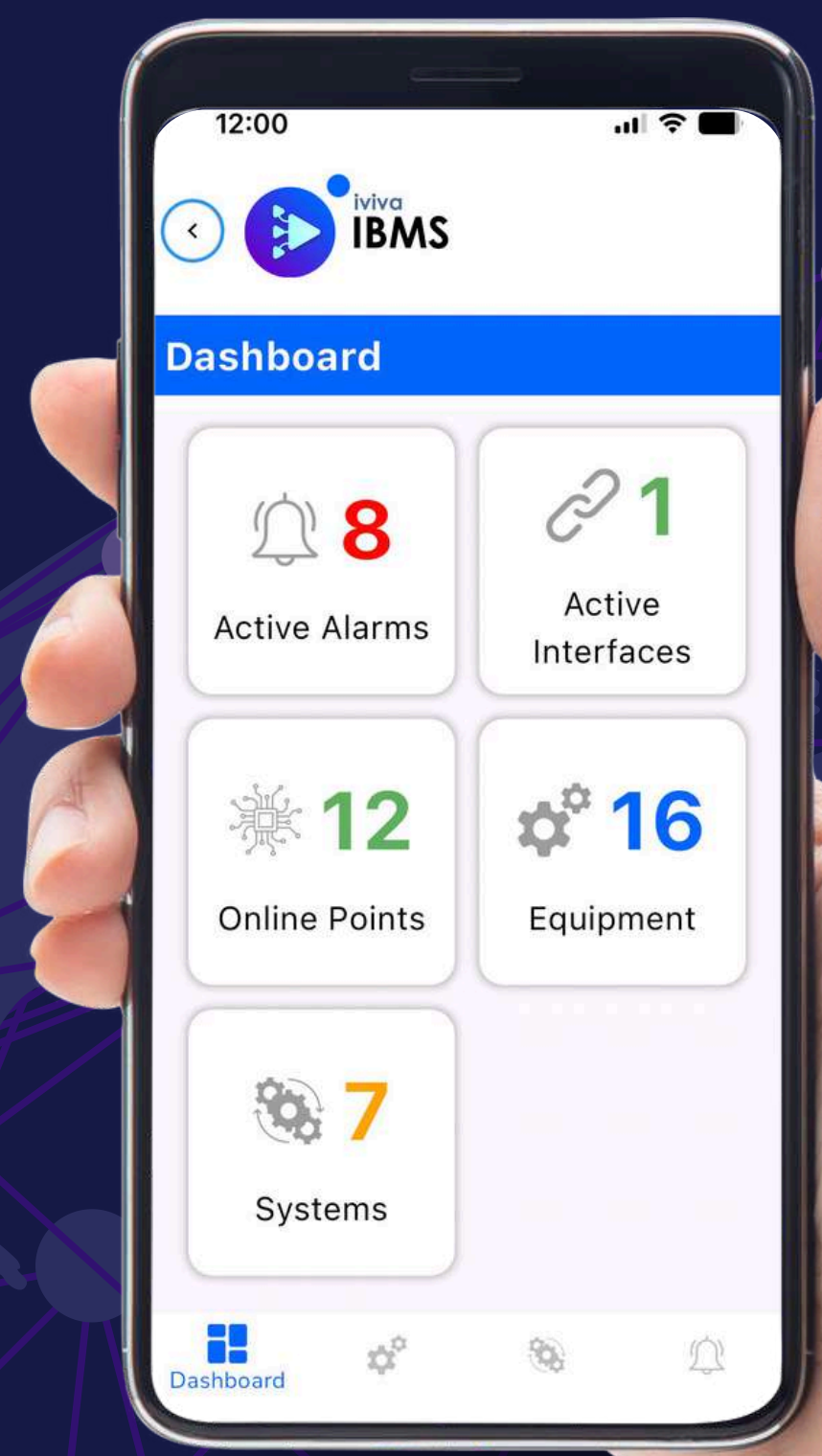
Native mobile app

for monitoring and control









Why iviva IBMS?

Infinite Scalability, No Boundaries

IBMS is the only BMS solution that provides high availability and horizontal scalability both on the server side as well as on the client side.

Security

IBMS deploys securely across air-gapped on-premise setups or cloud environments, ensuring encrypted, live connectivity to buildings.

Rich Object Model

Implementing IBMS provides a robust object model with configurable location hierarchies, equipment templates for diverse models, and easy multi-dimensional querying and analysis capabilities.

Open Architecture

IBMS includes an SDK to build custom drivers and protocols.

Out-of-the-Box Connectors

To Niagara, BACnet, Mqtt, Modbus, OPC, SNMP, LonWorks, oBix and many more.

Publish Virtual Points

Through integrations with databases, custom code, and third-party applications.

Easy deployment and customisation

Integration with existing systems (no vendor lock)

Remote management

Unify your systems and devices – break-down the silos

Historic & real-time data combined to drive actions, not just reports

Our Projects

ITC Towers,
Sydney - Australia

Paya Lebar Quarter
Singapore

Dubai Festival City
UAE

Msheireb Downtown
Doha - Qatar

Cairo Festival City
Egypt

One Bangkok
Thailand

MegaBox
Hong Kong

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