BMS Integration Capabilities

Connect operational building data to a unified monitoring workflow for visibility, alarming, analytics, and portfolio-scale reporting.

InstruVU integrates with Building Management Systems (BMS) to ingest critical equipment, environmental, and alarm data into a centralized monitoring environment. This enables faster issue detection, normalized data views across sites, and actionable notifications for operations teams.

Core Integration Capabilities

• **Real-time point ingestion -** Bring in status, setpoints, runtimes, temperatures, pressures, energy values, and other monitored points.

• **Alarm and event forwarding -** Receive prioritized fault, warning, and advisory conditions from the BMS for consolidated notification workflows.

• **Asset-level normalization -** Map site-specific BMS tags to a consistent equipment and metadata model for cross-site reporting.

• **Thresholds and derived logic -** Apply custom rules, exception logic, and calculated conditions to identify issues beyond native BMS alarms.

• **Dashboards and trend views -** Present operating conditions, active alerts, and historical behavior in one monitoring interface.

• **Workflow support -** Route events to the right stakeholders with context for triage, escalation, and documentation.

Supported Integration Methods

• BACnet/IP or BACnet via gateway
• Modbus TCP/RTU via edge translation
• OPC UA / middleware integrations
• REST API or webhook-based exchange
• CSV / flat-file import for selected use cases
• VPN or secure remote network connectivity

Note: integration approach depends on the BMS vendor, available network access, controller architecture, and cybersecurity requirements.

Typical Deployment Workflow

1. Discover	2. Connect	3. Map	4. Go Live
Review BMS architecture, point lists, and access paths.	Establish secure communications and validate incoming data.	Align points to assets, names, limits, and business rules.	Enable alerting, dashboards, and operational handoff.

Ideal BMS-Connected Monitoring Use Cases

• Critical spaces and environmental monitoring
• HVAC, central plant, and mechanical system oversight
• Alarm consolidation across multiple facilities
• Remote operations support and service dispatching
• Executive reporting on uptime, trends, and exception conditions

Value Delivered

• Faster detection of equipment and environmental issues
• Single-pane visibility across disparate BMS environments
• Reduced manual monitoring and improved response consistency
• Scalable architecture for multi-site programs

Positioning statement: InstruVU complements existing BMS investments by turning raw building data into operational visibility and actionable monitoring workflows.